

**1611 WILLOW AVE
BURLINGAME, CA 94010**

t: (415) 703-0904
e: info@apparatus.com

4450 18th Street
San Francisco, CA 94114

Professional Seal of Stuart D. Hills, Licensed Architect, No. C24966, State of California, Renew 9-30-2027.

RESIDENTIAL ADDITION
1611 WILLOW AVE
BURLINGAME, CA 94010
OWNER: VEEENA DUBAL
J RYAN GILFOIL
PARCE. NUMBER 028142350

date	NOV 17, 2025
scale	AS NOTED
revis	
	REVISION JUN 01, 2026
	REVISION JUN 18, 2026
	REVISION JUN 18, 2026

A0.0

- A0.0 - COVER SHEET
- A0.1 - EXISTING SITE PLAN
- A0.2 - PROPOSED SITE PLAN
- A0.3 - T-24 REPORT
- A0.4 - T-24 REPORT
- A0.5 - GREEN CHECKLIST
- A1.0 - EXISTING LOWER LEVEL FLOOR PLAN
- A1.1 - EXISTING MAIN LEVEL FLOOR PLAN
- A1.2 - PROPOSED MAIN LEVEL FLOOR PLAN
- A1.3 - PROPOSED LOWER LEVEL FLOOR PLAN
- A1.4 - PROPOSED ROOF PLAN
- A1.5 - PROPOSED LANDSCAPE, IRRIGATION PLANS AND CALCULATIONS
- A1.6 - TREE PROTECTION PLAN
- A2.0 - ELEVATIONS
- A2.1 - ELEVATIONS
- A2.2 - ELEVATIONS
- A3.0 - EXISTING SECTIONS
- A3.1 - PROPOSED SECTIONS
- A3.2 - PROPOSED RENDERS
- A4.0 - WINDOW AND DOOR SCHEDULE
- A5.0 - FIRE PLACE DETAILS
- A5.1 - FIRE PLACE DETAILS

29. ADHESIVES, SEALANTS, AND CAULKS USED ON THE PROJECT SHALL FOLLOW LOCAL AND REGIONAL AIR POLLUTION OR AIR QUALITY MANAGEMENT DISTRICT STANDARDS.
30. PAINT AND COATINGS WILL COMPLY WITH VOC LIMITS.
31. AEROSOL PAINTS AND COATINGS WILL MEET THE PRODUCT-WEIGHTED MIR LIMITS FOR ROC, AND COMPLY WITH PERCENT VOC BY WEIGHT OF PRODUCT LIMITS, REGULATION 8, RULE 49.
32. DOCUMENTATION SHALL VERIFY COMPLIANCE FOR VOC FINISH MATERIALS.
33. CARPET SYSTEMS WILL MEET CALGREEN TESTING AND PRODUCT REQUIREMENTS.
34. WHERE RESILIENT FLOORING IS INSTALLED, AT LEAST 80% OF THE FLOOR AREA RECEIVING RESILIENT FLOORING WILL COMPLY WITH THE CALIFORNIA GREEN BUILDING CODE REQUIREMENTS.
35. HARDWOOD PLYWOOD, PARTICLEBOARD AND MEDIUM DENSITY FIBERBOARD COMPOSITE WOOD PRODUCTS SHALL COMPLY WITH THE LOW FORMALDEHYDE EMISSION STANDARDS.
36. BUILDING MATERIALS WITH VISIBLE SIGNS OF WATER DAMAGE WILL NOT BE INSTALLED. WALL AND FLOOR FRAMING WILL NOT BE ENCLOSED WHEN THE FRAMING MEMBERS EXCEED 18% MOISTURE CONTENT. MOISTURE CONTENT WILL BE VERIFIED PRIOR TO FINISH MATERIAL BEING APPLIED. REPLACE WET INSULATION PRODUCTS, OR ALLOW TO DRY BEFORE ENCLOSURE.
37. UPON REQUEST, VERIFICATION OF COMPLIANCE WITH THIS CODE MAY INCLUDE CONSTRUCTION DOCUMENTS, PLANS, SPECIFICATIONS, INSPECTION REPORTS, OR OTHER METHODS ACCEPTABLE TO THE BUILDING DIVISION THAT WILL SHOW SUBSTANTIAL CONFORMANCE WITH THE 2022 CODE REQUIREMENTS.

SEMCO ENGINEERING, INC.
SHAUN MOYNIHAN
322 CORTLAND AVENUE
SAN FRANCISCO, CA 94110
(415) 553-8810

SCOPE OF WORK:	STORIES: MULTILEVEL HOME
SECOND FLOOR REAR ADDITION REPLACING EXISTING TRELLIS OVER EXISTING PATIO. LOWER FLOOR CONVERSION OF UNCONDITIONED BASEMENT SPACE TO CONDITIONED USE WITH LEGAL HEAD HEIGHT.	EXISTING SQUARE FOOTAGE: (E) UPPER LEVEL 2,051 SQFT (E) LOWER LEVEL 597 SQFT (E) GARAGE 182 SQFT TOTAL 2,830 SQFT
PARCEL NUMBER: 028142350	PROPOSED SQUARE FOOTAGE:
DWELLING UNITS 1	(N) UPPER LEVEL 2,311.1 SQFT (N) LOWER LEVEL 1,300.6 SQFT
ZONING: R-1	(E) GARAGE 182 SQFT TOTAL 3,793.7 SQFT
OCCUPANCY / CONSTRUCTION TYPE: R-3/U - TYPE VB	
BUILDING SPRINKLER: PROVIDE FIRE SPRINKLER SYSTEM THROUGHOUT ENTIRE STRUCTURE (NOT JUST ADDITION)	PARCEL SIZE: 0.1802 ACRE 7,850 SQFT ALLOW LOT COVERAGE (40%): 3,140 SQFT EXISTING LOT COVERAGE: 2,420 SQFT PROPOSED LOT COVERAGE: <u>2,729 SQFT</u> ALLOW FAR: 7,850 SQFT x 32% + 1,100 SQFT 3,612 SQFT PROPOSED FAR: <u>3,609 SQFT</u>

PLANS SHALL COMPLY WITH TITLE 24 ENERGY EFFICIENCY REQUIREMENTS AND ALL MANDATORY MEASURES.

2. ALL CONSTRUCTION, REGARDLESS OF DETAILS ON PLANS, SHALL COMPLY WITH:

- 2022 CALIFORNIA BUILDING CODE
- 2022 CALIFORNIA PLUMBING CODE
- 2022 CALIFORNIA MECHANICAL CODE
- 2022 CALIFORNIA ELECTRICAL CODE
- 2022 CALIFORNIA BUILDING ENERGY STANDARDS
- 2022 CALIFORNIA FIRE CODE
- BURLINGAME MUNICIPAL CODES
- ONE AND TWO FAMILY DWELLINGS MAY BE DESIGNED TO THE 2016 CALIFORNIA RESIDENTIAL CODE

3. 100% OF MIXED DEBRIS MUST BE TRANSPORTED BY A REGISTERED HAULER TO A REGISTERED FACILITY AND BE PROCESSED FOR RECYCLING.

4. PROVIDE ADEQUATE SPACE AND EQUAL ACCESS FOR STORAGE, COLLECTION, AND LOADING OF COMPOSTABLE, RECYCLABLES, AND LANDFILL MATERIALS. - USE ADMINISTRATIVE BULLETIN 088.

5. CONSTRUCTION PLANS SHALL INDICATE HOW THE SITE GRADING OR DRAINAGE SYSTEM WILL MANAGE SURFACE WATER FLOWS TO KEEP WATER FROM ENTERING THE BUILDING, SUCH AS SWALES, DRAINS, OR WATER RETENTION GARDENS. (CALGREEN 4.106.3)

6. AUTOMATICALLY ADJUST IRRIGATION BASED ON WEATHER AND SOIL MOISTURE. CONTROLLERS MUST HAVE EITHER AN INTEGRAL OR SEPARATE RAIN SENSORS THAT CONNECTS OR COMMUNICATES WITH THE CONTROLLER.

8. INSTALL WATER-EFFICIENT FIXTURES & FITTINGS AS SUMMARIZED IN CALGREEN 4.303 (SEE PRESCRIPTIVE APPROACH TO INDOOR WATER USE ON SHEET A1C).

9. COMPLY WITH CALIFORNIA ENERGY CODE (TITLE 24, PART 6).

10. ANNUAL SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS, OR OTHER OPENINGS IN SOLE/BOTTOM PLATES AT EXTERIOR WALLS SHALL BE CLOSED WITH CEMENT MORTAR, CONCRETE MASONRY, OR A SIMILAR METHOD ACCEPTABLE TO DBI FOR PROTECTION AGAINST RODENTS.

11. VERIFY WALL AND FLOOR FRAMING DOES NOT EXCEED 19% MOISTURE CONTENT PRIOR TO ENCLOSURE. MATERIALS WITH VISIBLE SIGNS OF MOISTURE DAMAGE SHALL NOT BE INSTALLED. MOISTURE CONTENT SHALL BE VERIFIED IN COMPLIANCE WITH CALGREEN 4.503.3 (SEE REQUIREMENTS ON SHEET X).

12. CONCRETE SLAB ON GRADE FOUNDATIONS REQUIRED TO HAVE A VAPOR RETARDER MUST ALSO HAVE A CAPILLARY BREAK. IN COMPLIANCE WITH CALGREEN 4.505.2 (SEE REQUIREMENTS ON SHEET X).

13. INSTALL ONLY DIRECT-VENT OR SEALED-COMBUSTION APPLIANCES; COMPLY WITH US EPA PHASE II LIMITS. (CALGREEN 4.503.1)

14. DESIGN & INSTALL HVAC SYSTEMS TO ACCA MANUAL J, D, & S (CALGREEN 4.507.2)

15. HVAC SYSTEM INSTALLERS MUST BE TRAINED & CERTIFIED IN THE PROPER INSTALLATION OF HVAC SYSTEMS, SUCH AS VIA A STATE CERTIFIED APPROPRIATIONSHIP PROGRAM, PUBLIC UTILITY TRAINING PROGRAM (CERTIFICATION AS INSTALLER QUALIFICATION), OR OTHER PROGRAM ACCEPTABLE TO DBI (CALGREEN 702.1).

16. DUCT OPENINGS AND OTHER AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED DURING ALL PHASES OF CONSTRUCTION WITH TAPE, PLASTIC, SHEETMETAL, OR OTHER ACCEPTABLE METHODS TO REDUCE THE AMOUNT OF WATER, DUST, OR DEBRIS ENTERING THE BUILDING.

17. BATHROOM EXHAUST FANS MUST BE ENERGY STAR CERTIFIED, DUCTED TO TERMINATE OUTSIDE THE BUILDING, & CONTROLLED BY HUMIDISTAT CAPABLE OF ADJUSTMENT BETWEEN RELATIVE HUMIDITY OF LESS THAN 50% TO MAXIMUM 80%. HUMIDITY CONTROL MAY BE A SEPARATE COMPONENT FROM THE EXHAUST FAN.

18. ALL CARPET MUST MEET ONE OF THE STANDARDS SET FORTH IN CALGREEN 4.504.3 (SEE REQUIREMENTS ON SHEET X).

19. FOR 80% OF FLOOR AREA RECEIVING RESILIENT FLOORING, INSTALL RESILIENT FLOORING COMPLYING WITH ONE OF THE REQUIREMENTS SET FORTH ON SHEET X.

20. HARDWOOD PLYWOOD, PARTICLEBOARD, & MEDIUM DENSITY FIBERBOARD COMPOSITE WOOD PRODUCTS USED ON INTERIOR OR EXTERIOR SHALL MEET CARB AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD. SEE CALGREEN TABLE 4.504.5.

21. INTERIOR PAINTS & COATINGS SHALL COMPLY WITH VOC LIMITS IN THE SIR RESOURCES BOARD ARCHITECTURAL COATINGS SUGGESTED PRACTICES. "SUITABLE FOR WEAT LOCATIONS" ALL LUMINAIRES INSTALLED IN DAMP LOCATIONS SHALL BE MARKED "SUITABLE FOR WEAT LOCATIONS" OR "SUITABLE FOR DAMP LOCATIONS"

22. LOW-VOC AEROSOL PAINTS & COATINGS SHALL MEET BAAQMD VOC LIMITS (REGULATION 8, RULE 49) & PRODUCT-WEIGHTED MIR LIMITS FOR ROC (CALGREEN 4.504.2.3).

23. LOW-VOC CAULKS, CONSTRUCTION ADHESIVES, & SEALANTS SHALL MEET SCAQMD RULE 1168. SEE CALGREEN TABLES 4.504.1 & 4.504.2.

24. WET AND DAMP LOCATIONS. LUMINAIRES INSTALLED IN WET OR DAMP LOCATIONS SHALL BE INSTALLED SUCH THAT WATER CANNOT ENTER OR ACCUMULATE IN WIRING COMPARTMENTS, LAMPHOLDERS, OR OTHER ELECTRICAL PARTS. ALL LUMINAIRES INSTALLED IN WET LOCATIONS SHALL BE MARKED "SUITABLE FOR WEAT LOCATIONS." ALL LUMINAIRES INSTALLED IN DAMP LOCATIONS SHALL BE MARKED "SUITABLE FOR WEAT LOCATIONS" OR "SUITABLE FOR DAMP LOCATIONS"

25. IN BATHROOMS, GARAGES, LAUNDRY ROOMS, AND UTILITY ROOMS, AT LEAST ONE LUMINAIRE IN EACH OF THESE SPACES SHALL BE CONTROLLED BY AN OCCUPANT OR VACANCY SENSOR PROVIDING AUTOMATIC-OFF FUNCTIONALITY. IF AN OCCUPANT SENSOR IS INSTALLED, IT SHALL BE INITIALLY CONFIGURED TO MANUAL-ON OPERATION USING THE MANUAL CONTROL REQUIRED UNDER SECTION 150.9(X)(2C).

26. OUTDOOR LIGHTING MUST MEET 2 OF THE 3 REQUIREMENTS LISTED BELOW. PROVIDE 2 OF THE FOLLOWING REQUIREMENTS FOR ALL OUTDOOR LIGHTING. REFER TO CODE SECTION OF THE 2019 CALIFORNIA ENERGY CODE: SUBCHAPTER 7, SECTION 150.9(X)(3)(A)

I. CONTROLLED BY A MANUAL ON AND OFF SWITCH THAT PERMITS THE AUTOMATIC ACTIONS OF ITEMS II OR III BELOW; AND

II. CONTROLLED BY A PHOTOCELL AND EITHER A MOTION SENSOR OR AN AUTOMATIC TIME SWITCH CONTROL; OR

III. CONTROLLED BY AN ASTRONOMICAL TIME CLOCK CONTROL.

27. ALL SPRAY FOAM INSULATION TO BE CLOSED CELL OR EQUIVALENT

28. PJC (GEOTECH) SHALL OBSERVE ALL GRADING AND EARTHWORKS AND SHALL APPROVE FOUNDATION EXCAVATIONS. PJC SHALL ALSO APPROVE SLAB FORMATION/INSTALLATION OF DRAINAGE FACILITIES PER "GEOTECHNICAL REVIEW OF ARCHITECTURAL AND STRUCTURAL PLANS" (3-15-2023) LETTER. PJC SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ALL FIELD INSPECTIONS.

AB	ANCHOR BOLT	NTS	NOT TO SCALE
ADDL	ADDITIONAL	OC	ON CENTER
ALT	ALTERNATE	OD	OUTSIDE DIAMETER
ARCH	ARCHITECTURAL	OF	OUTSIDE FACE
BLKG	BLOCKING	OPNG	OPENING
BM	BEAM	OPP	OPPOSITE
BN	BOUNDARY NAIL	ORIG	ORIGINAL
BRG	BEARING	PL	PLATE
BTWN	BETWEEN	PLCS	PLACES
BOT	BOTTOM	PLYWD	PLYWOOD
C	CONSTRUCTION JOINT	PT	PRESERVATIVE TREATED
CL	CENTER LINE	PW	PLATE WASHER
CLR	CLEAR	R	RADIUS
COL	COLUMN	REF	REFERENCE
CONC	CONCRETE	REINF	REINFORCEMENT
CONN	CONNECTION	REQD	REQUIRED
CONST	CONSTRUCTION	RF	ROOF
CONT	CONTINUOUS	RFT	RAFTERS
DBL	DOUBLE	RW	RETAINING WALL
DF	DOUGLAS FIR/LARCH	SCHED	SCHEDULE
DP	DEEP	SECT	SECTION
DIA	DIAMETER	SEP	SEPARATION
DIM	DIMENSION	SIM	SIMILAR
DWG	DRAWING	SN	SHEAR NAIL
DWL	DOWEL	SPEC	SPECIFICATION
E	EXISTING	SQ	SQUARE
EA	EACH	STD	STANDARD
EF	EACH FACE	STGR	STAGGER
ELEV	ELEVATION	STR	STIFFERS
ELEC	ELECTRICAL	STR	STRUCTURAL
EMBED	EMBEDMENT	STR I	STRUCTURAL I
EN	EDGE NAIL	T	TOP
EQ	EQUAL OR EQUIVALENT	T&B	TOP & BOTTOM
ES	EACH SIDE	T&G	TONGUE & GROOVE
EW	EACH WAY	THK	THICKNESS/THICK
EXT	EXTERIOR	THR	THREADED
FF	FOUNDATION	TN	TOP
FIN	FINISHED FLOOR	TOP	TOP OF PARAPET
FJ	FLOOR JOIST	TOW	TOP OF WALL
FJC	FACE OF CONCRETE	TYP	TYPICAL
FOM	FACE OF MASONRY	UBC	UNIFORM BUILDING CODE
FOS	FACE OF STUD	UON	UNLESS OTHERWISE NOTED
FOS	FACE OF FINISH	V	VERTICAL
FRMG	FRAMING	VERT	VERTICAL
FRT	FIRE-RETARDANT TREATED	VIF	VERIFY IN FIELD
FS	FACE SIDE	VSH	VERTICAL SLOTTED HOLES
FTG	FOOTING	WD	WOOD
GA	GAUGE	WP	WATERPROOF
GALV	GALVANIZED	WT	WEIGHT
GLULAM	GLUED LAMINATED	WWF	WELDED WIRE FABRIC
GR	GRADE	W/	WITH
H	HORIZONTAL	W/O	WITH OUT
HDR	HEADER		
HGR	HANGER		
HT	HEIGHT		
HORIZ	HORIZONTAL		
IF	INSIDE FACE		
I JST	I-JOIST		
INT	INTERIOR		
JST	JOIST		
JT	JOINT		
LDGR	LEADER		
LTVW	LIGHT WEIGHT		
MATL	MATERIAL		
MAX	MAXIMUM		
MB	MACHINE BOLT		
MECH	MECHANICAL		
MFR	MANUFACTURER		
MIN	MINIMUM		
MISC	MISCELLANEOUS		
MTL	METAL		
NIC	NOT IN CONTRACT		
NO	NUMBER		
NS	NEAR SIDE		

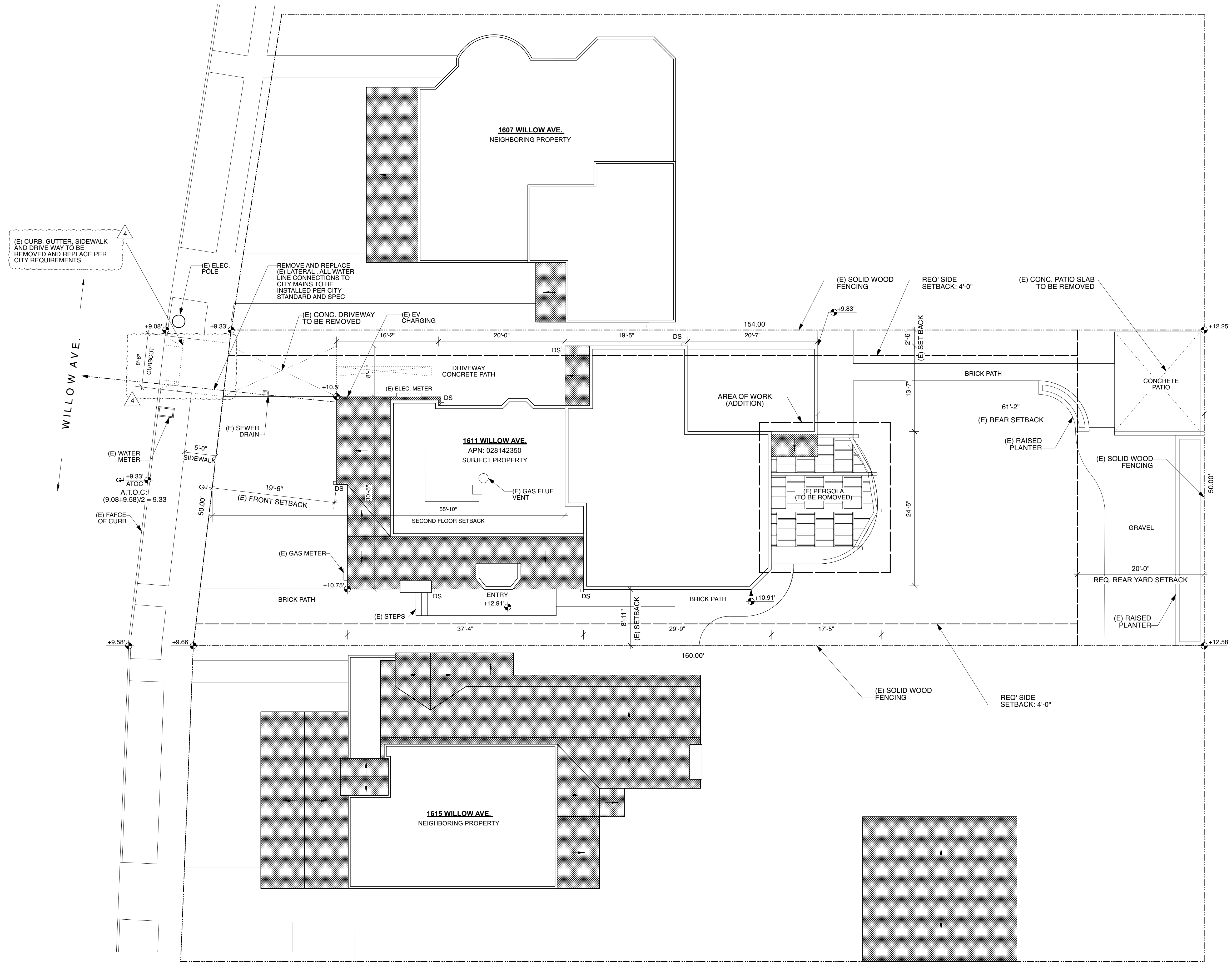
3 PARCEL MAP VOL. 61/62
 2 HILLSBOROUGH MANOR RSM 25/4
 1 SUB NO. 4 OF BURLINGAME PARK RSM 3/85

NORTH

J.H.

ASSessor's MAP COUNTY OF SAN MATEO, CALIF.

PROJECT INFO



NOTE: NO TREES ARE TO BE REMOVED



EXISTING SITE PLAN

RESIDENTIAL ADDITION
1611 WILLOW AVE
BURLINGAME, CA 94010
PARCEL NUMBER 028142350

OWNER:
VEENA DUBAL
J RYAN GILFOIL



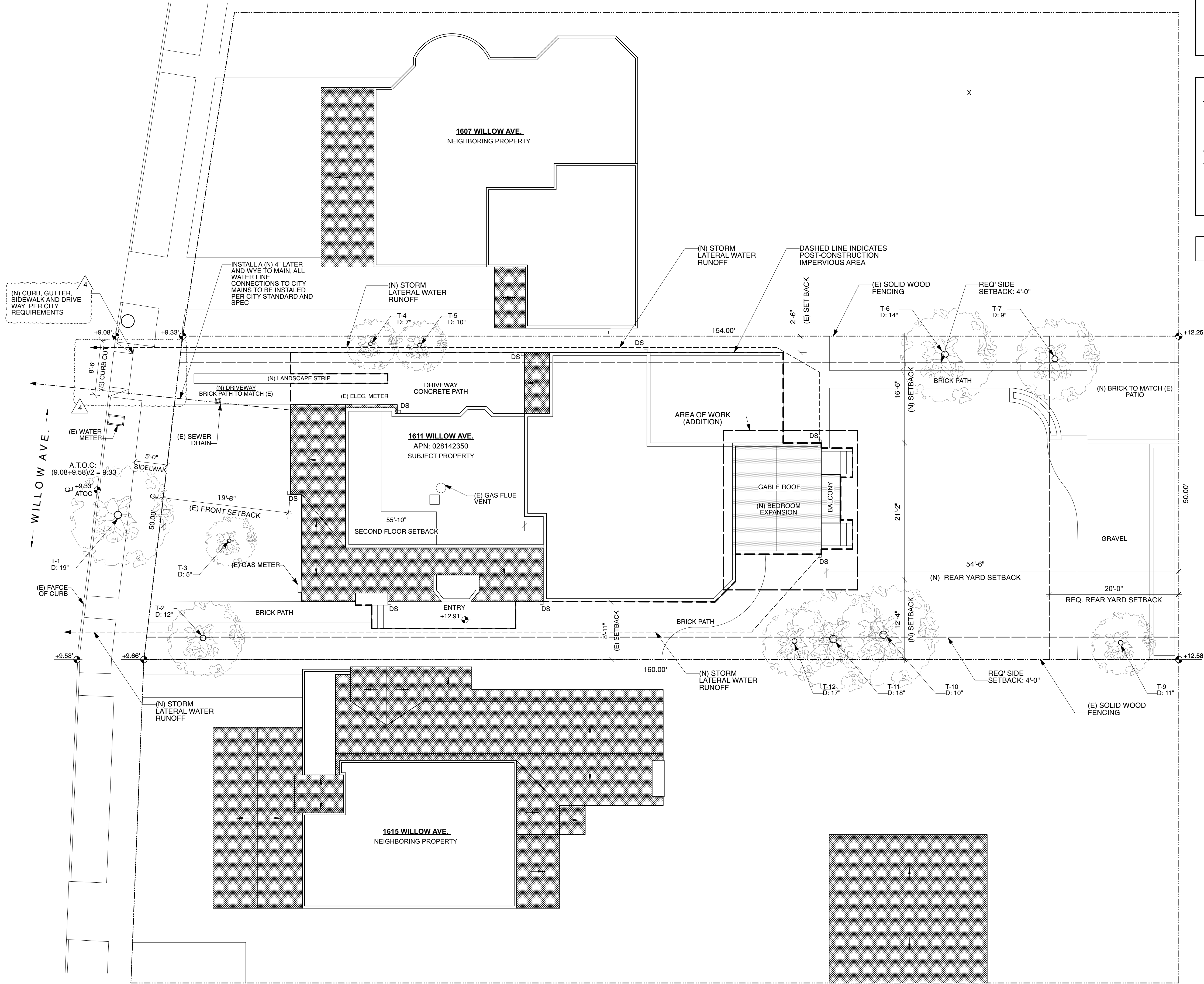
APPARATUS ARCHITECTURE



4401 16th Street
San Francisco, CA 94114
t: (415) 752-6904
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date	NOV 17, 2025
scale	1/8" = 1'-0"
revis	02-11-205
2	REVISION JUN 01, 2026
3	REVISION JUN 18, 2026
4	REVISION JUN 18, 2026

A0.1



NOTE

PROVIDE FIRE SPRINKLER SYSTEM THROUGHOUT ENTIRE STRUCTURE

IMPERVIOUS AREA CALCULATION			
LOT SIZE:	7,850 SF	=	100%
ALLOWED IMPERVIOUS AREA:	3,140 SF	=	40%
POST-CONSTRUCTION IMPERVIOUS SF:	3,082 SF	=	39.26%

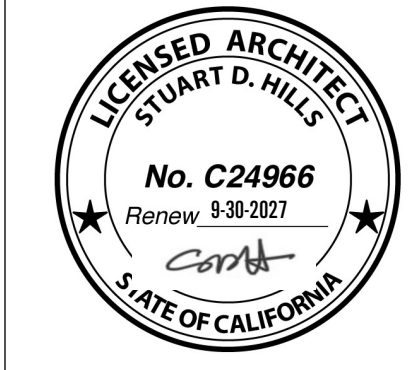
NOTE: NO TREES ARE TO BE REMOVED

TREE INVENTORY & ASSESSMENT TABLE
*TRUNK DIAMETERS OF OFFSITE TREES ARE VISUAL ESTIMATES

Tree #	Protected	Preserve/Remove	Species (Common / Latin)	Trunk Diameter (in.)	Health	Structure	Qualifies as Required Landscape Tree
1	Yes/Street	Preserve	Southern magnolia (Magnolia grandiflora)	18	Fair	Fair	
2	No	Preserve	Chinese saucer magnolia (Magnolia x soulangeana)	12.5	Good	Fair	Yes
3	No	Preserve	Red horse chestnut (Aesculus x carnea)	4	Good	Good	
4	No	Preserve	Pittosporum (Pittosporum undulatum)	6	Fair	Good	Yes
5	No	Preserve	Pineapple guava (Acca sellowiana)	10	Poor	Fair	
6	Yes	Preserve	Carolina cherry laurel (Prunus caroliniana)	14.8	Fair	Fair	Yes
7	No	Preserve	Loquat (Eriobotrya japonica)	8.5	Poor	Poor	
9	No	Preserve	Prunus sp.	8	Fair	Fair	
10	No	Preserve	Carolina cherry laurel (Prunus caroliniana)	7.5	Fair	Poor	Yes
11	No	Preserve	Chinese elm (Ulmus parvifolia)	12.7	Good	Fair	Yes
12	No	Preserve	Chinese elm (Ulmus parvifolia)	13.2	Good	Fair	Yes

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01	02	03	04	05	06	07	08	09	10	11	12
Name	System Type	Distribution Type	Water Heater Name	Number of Units	Solar Heating System	Co-nsect Distribution	HERS Verification	Water Heater Name (#)	Status	Verified Existing Condition	Existing Water Heating System
DHW Sys 1	Domestic Hot Water (DHW)	Standard	DHW Heater 1	1	n/a	None	n/a	DHW Heater 1 (1)	Existing	No	

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
Name	Heating Element Type	Tank Type	# of Units	Tank Vol. (gal)	Heating Efficiency Type	Efficiency	Rated Input Type	Input Rating or Pilot	Tank Insulation R-value (in./ft²)	Standby Loss or Recovery Eff	1st Hc. Rating or Flow Rate	Tank Location	Status	Verified Existing Condition
DHW Heater 1	Gas	Small Storage	1	50	EF	0.58	Btu/Hr	75000	0	78	n/a		Existing	No

01	02	03	04	05	06	07
Name	Pipe Insulation	Parallel Piping	Compact Distribution	Compact Distribution Type	Recirculation Control	Shower Drain Water Heat Recovery
DHW Sys 1 - 1/1	Not Required	Not Required	Not Required	None	Not Required	Not Required

01	02	03	04	05	06	07	08	09	10	11	12
Name	System Type	Heating Unit Name	Heating Equipment Count	Cooling Unit Name	Cooling Equipment Count	Fan Name	Distribution Name	Required Thermostat Type	Status	Verified Existing Condition	Existing HVAC System
HVAC1	Heat pump heating cooling	Heat Pump System 1	1	Heat Pump System 1	1	HVAC Fan 1	Air Distribution System 1	Setback	New	No	

01	02	03	04	05	06	07	08	09	10	11	12	13
Name	System Type	Number of Units	Heating Efficiency Type	HSPF/HSPF2/COP	Cap 47	Cap 17	Cooling Efficiency Type	SEER/SEER2	EER/EEER/2/EEER	Zonally Controlled	Compressor Type	HERS Verification
Heat Pump System 1	Central split HP	1	HSPF2	7.5	S4000	27000	EER/SEER2	14	11.7	Not Zonal	Single Speed	Heat Pump System 1-hers-htump

01	02	03	04	05	06	07	08	09
Name	Verified Airflow	Airflow Target	Verified EER/EEER2	Verified SEER/SEER2	Verified Refrigerant Charge	Verified HSPF/HSPF2	Verified Heating Cap 47	Verified Heating Cap 17
Heat Pump System 1-hers-htump	Required	350	Not Required	Not Required	Yes	No	Yes	Yes

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
Name	Type	Design Type	Duct Ins. R-value	Duct Location	Surface Area	Supply Return	Supply Return	Supply Return	Bypass Duct	Duct Leakage	HERS Verification	Status	Verified Existing Condition	Existing Distribution system	New Ducts >= 25 ft²
Air Distribution System 1	Unconditioned crawl space	Non-Verified	R-6	R-6	Crawl Space	Crawl Space	n/a	n/a	No Bypass Duct	Sealed and Tested	Air Distribution System 1-hers-dist	New	n/a		No

01	02	03	04	05	06	07	08	09
Name	Duct Leakage Verification	Duct Leakage Target (%)	Verified Duct Location	Verified Duct Design	Buried Ducts	Deeply Buried Ducts	Low-leakage Air Handler	Low Leakage Ducts in Crawl Space
Air Distribution System 1-hers-dist	Yes	5.0	Not Required	Not Required	Not Required	Credit not taken	Not Required	No

01	02	03	04
Name	Type	Fan Power (Watts/CFM)	Name
HVAC Fan 1	HVAC Fan	0.58	HVAC Fan 1-hers-fan

01	02	03
Name	Verified Fan Watt Draw	Required Fan Efficacy (Watts/CFM)
HVAC Fan 1-hers-fan	Required	0.58

01	02	03
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HVAC Fan 1-hers-fan	Required	0.58

01	02	03
Name	Verified Fan Watt Draw	Required Fan Efficacy (Watts/CFM)
HVAC Fan 1-hers-fan	Required	0.58

01	02	03
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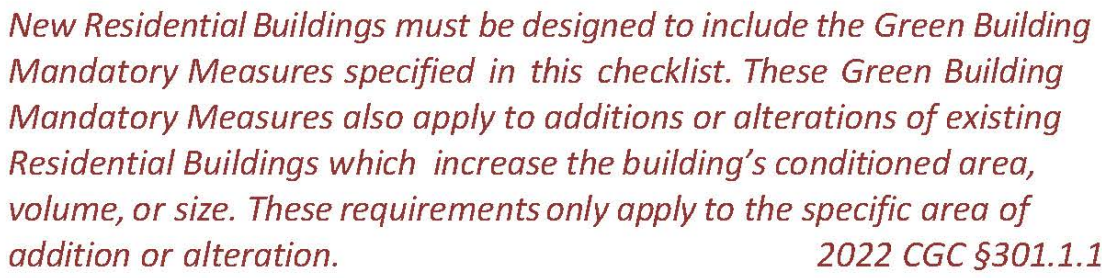
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HVAC Fan 1-hers-fan	Required	0.58

0



Specify which sheet includes the Measure, and add specific details listing where the measure is located on that page. Include exact code sections on plans.

Green Building Measure	Plan Sheet, and Details
ENERGY EFFICIENCY(2022 CEC §150.0) (2022 California Building Energy Efficiency Standards)	
2022 Energy Code performance (CFIR) compliance documentation must be provided digitally in 8-1/2" X 11" format, and, must be replicated on the plans. 2022 CEC §150.1	A.0.4
SITE DEVELOPMENT (2022 CGC §4.106)	
Plans shall indicate how Grading and Paving will prevent surface water flows from entering buildings. Exception: Projects that do not alter the drainage path. 2022 CGC §4.106.3	N/A
Electric Vehicle (EV) Charging, parking spaces: comply with all relevant sections. 2022 CGC §4.106.4	A.0.1
INDOOR WATER USE (2022 CGC §4.303)	
Standards for Plumbing fixtures and fittings. Plumbing fixtures and fittings shall be installed in accordance with the <i>California Plumbing Code</i> , and shall meet the applicable standards referenced in Table 1701.1 of the <i>California Plumbing Code</i> . 2022 CGC §4.303.3	A1.2 - A1.3
OUTDOOR WATER USE (2022 CGC §4.304)	
Residential developments shall submit a California Department of Water Resources' Model Water Use Efficient Landscape (MWEOL) checklist. 2022 CGC §4.304.1	A.0.5
ENHANCED DURABILITY AND REDUCED MAINTENANCE (2022 CGC §4.406)	
Annular spaces around pipes, electric cables, conduits or other openings in sole/bottom plates at exterior walls, shall be protected against the passage of rodents by closing such openings with cement mortar, concrete masonry, or similar method acceptable to the enforcing agency. 2022 CGC §4.406.1	M1.0 - M1.1
CONSTRUCTION WASTE MANAGEMENT (2022 CGC §4.408)	
Recycle and/or salvage a minimum 65% of the non-hazardous construction and demolition waste. This is not applicable to soil and land clearing debris. 2022 CGC §4.408.1	N/A

3

Green Building Measure		Plan Sheet, and Details
BUILDING MAINTENANCE AND OPERATION (2022 CGC §4.410)		
An operation and maintenance manual will be provided at final inspection. 2022 CGC §4.410.1 Where 5 or more multi-family dwelling units are constructed on a building site, provide readily accessible areas that serve all buildings on site and are identified for the depositing, storage, and collection of nonhazardous materials for recycling, including paper, corrugated cardboard, glass, plastics, organic waste and metals, or, meet local ordinance, if more restrictive. 2022 CGC §4.410.2		N/A
FIREPLACES (2022 CGC §4.503)		
Any installed gas fireplaces will be direct-vent sealed-combustion type. Any installed woodstove or pellet stove shall comply with US EPA NSPS emission limits. 2022 CGC §4.503.1 GAS IS NOT ALLOWED FOR NEW CONSTRUCTION BASED ON BURLINGAME'S REACH CODE.		N/A
POLLUTANT CONTROL (2022 CGC §4.504)		
At the time of rough installation, during storage on the construction site, and until final startup of the HVAC equipment, all duct and other related air distribution component openings will be covered with tape, plastic, sheet metal, or other methods acceptable to the enforcing agency to reduce the amount of water, dust and debris that may enter the system. 2022 CGC §4.504.1		M1.0 - M1.1
Adhesives, sealants, and caulks used on the project shall follow local and regional air pollution or air quality management district standards. 2022CGC §4.504.2.1		A0.0
Paints and coatings will comply with VOC limits. 2022CGC §4.504.2.2		A0.0
Aerosol paints and coatings will meet the Product-weighted MIR limits for ROC, and comply with percent VOC by weight of product limits, Regulation 8, Rule 49. 2022 CGC §4.504.2.3		A0.0
Documentation shall verify compliance for VOC finish materials. 2022 CGC §4.504.2.4		A0.0
Carpet systems will meet CALGREEN testing and product requirements. 2022 CGC §4.504.3		A0.0
Where resilient flooring is installed, at least 80% of the floor area receiving resilient flooring will comply with the California Green Building code requirements. 2022 CGC §4.504.4		A0.0
Hardwood plywood, particleboard, and medium density fiberboard composite wood products shall comply with the low formaldehyde emission standards. 2022 CGC §4.504.5		A0.0
INTERIOR MOISTURE CONTROL (2022 CGC §4.505)		
A capillary break will be installed if a slab on grade foundation system is used. 2022 CGC §4.505.2.1		A5.0
Building materials with visible signs of water damage will not be installed. Wall and floor framing will not be enclosed when the framing members exceed 19% moisture content. Moisture content will be verified prior to finish material being applied. Replace wet insulation products, or allow to dry before enclosure. 2022 CGC §4.505.3		A0.0
INDOOR AIR QUALITY AND EXHAUST (CGC §4.506)		
Exhaust fans that are ENERGY STAR compliant, ducted and that terminate outside the building will be provided in every bathroom (bathtub, shower, or shower/tub combo). 2019 CGC §4.506.1 Unless functioning as a component of a whole-house ventilation system, fans must be controlled by a humidity control. 2022 CGC §4.506.2		M1.0 - M1.1

2

[Agency Name, Address, Telephone#, Fax #]

[Agency Name, Address, Telephone#, Fax #]

Eto	Reference evapotranspiration means the quantity of water evaporated from a large field of four- to seven-inch tall, cool-season grass that is well watered. Reference evapotranspiration is used as the basis of estimating water budgets so that regional differences in climate can be accommodated.
SLA	Special Landscaped Area. Includes edible plants, areas irrigated with recycled water, surface water features using recycled water and areas dedicated to active play such as parks, sports fields, golf courses, and where turf provides a playing surface.
Professional	Professional is a "certified professional" or "authorized professional" that is a certified irrigation designer, a certified landscape irrigation auditor, a licensed landscape architect, a licensed landscape contractor, a licensed professional engineer, or any other person authorized by the state to design a landscape, an irrigation system, or authorized to complete a water budget, irrigation survey or irrigation audit.
Water Feature	A design element where open water performs an aesthetic or recreational function. Water features include ponds, lakes, waterfalls, fountains, artificial streams, spas, and swimming pools (where water is artificially supplied).

[Agency Name, Address, Telephone#, Fax #]



This worksheet is filled out by the project applicant and it is a required element of the Landscape Documentation Package.

Reference Evapotranspiration (ET_o) 42.8 Annual						
Hydrozone # /Planting Description^a	Plant Factor (PF)	Irrigation Method^b	Irrigation Efficiency (IE)^c	ETAF (PF/IE)	Landscape Area (sq. ft.)	ETAF x Area Estimated Total Water Use (ETWU)^d
Regular Landscape Areas						
				Totals	(A)	(B)
Special Landscape Areas						
				1		
				1		
				1		
				Totals	(C)	(D)
						ETWU Total
						Maximum Allowed Water Allowance (MAWA)^e

*Hydrozone #/Planting Description E.g. 1.) front lawn 2.) low water use plantings 3.) medium water use planting	*Irrigation Method overhead spray or drip	*Irrigation Efficiency 0.75 for spray head 0.81 for drip	^dETWU (Annual Gallons Required) = $E_{to} \times 0.62 \times ETAF \times Area$ where 0.62 is a conversion factor that converts acres-inches per acre per year to gallons per square foot per year.
*MAWA (Annual Gallons Allowed) = $(E_{to}) (0.62) (ETAF \times LA)$			

* **MAWA (Annual Gallons Allowed)** = (Eto) (0.62) [(ETAF x LA) + ((1-ETAF) x SLA)]

where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year, LA is the total landscape area in square feet, SLA is the total special landscape area in square feet, and ETAF is .55 for residential areas and 0.45 for non-residential areas.

Regular Landscape Areas

Total ETAF x Area	(B)
Total Area	(A)
Average ETAF	B ÷ A

Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

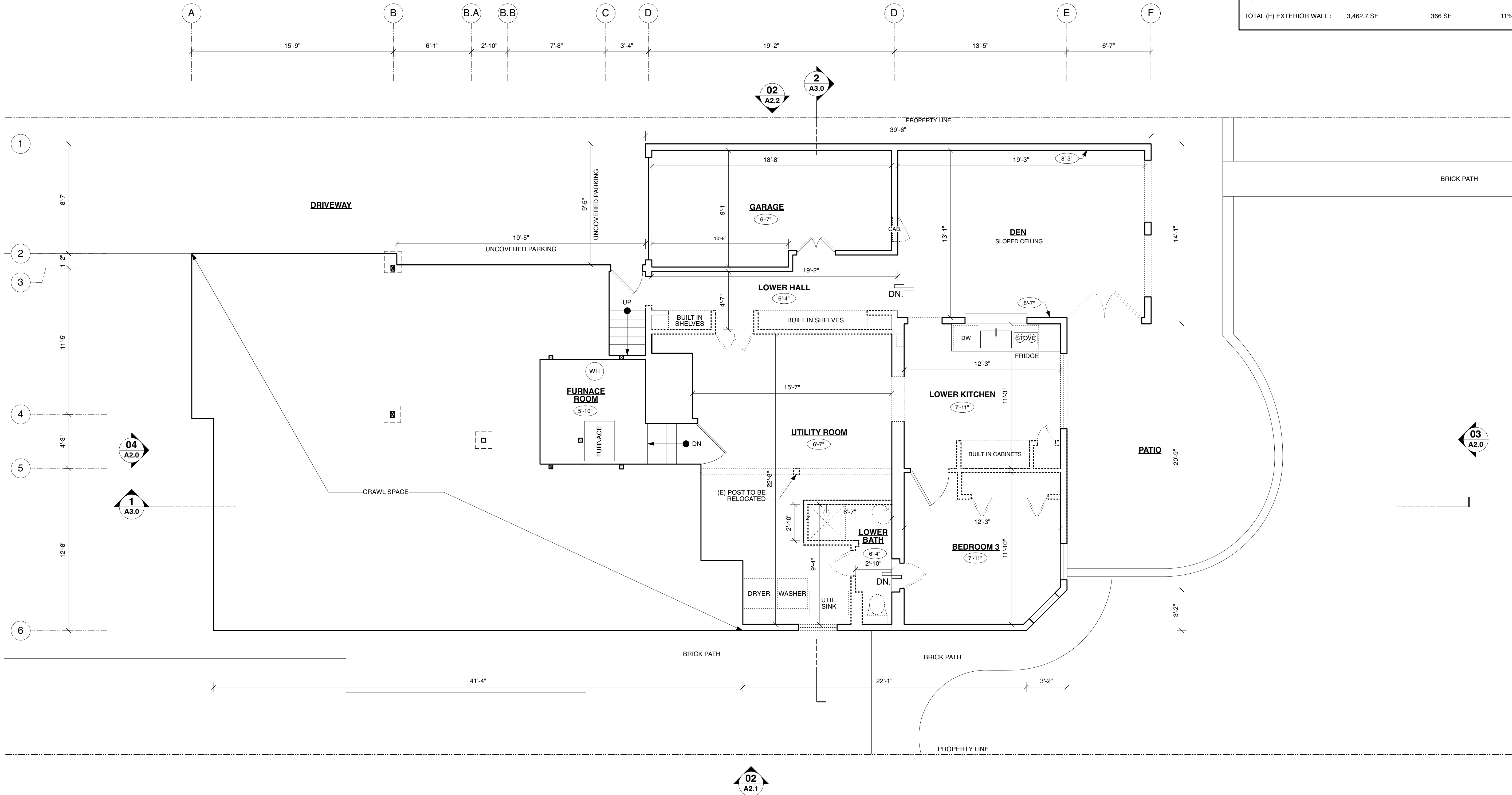
All Landscape Areas	
Total ETAF x Area	(B+D)
Total Area	(A+C)
Sitewide ETAF	$(B+D) \div (A+C)$



RESIDENTIAL ADDITION
16111 WILLOW AVE
OWNER: VEENA DUBAL
J RYAN GILFOIL

date	NOV 17, 2025
scale	1/8" = 1'-0"
revis	
	REVISION JUN 01, 2026
	REVISION JUN 18, 2026
	REVISION JUN 18, 2026

A0.5



	(N) WALL
	(E) WALL
	DEMO
	CEILING HT.
	FLOOR LVL. CHANGE

DEMOLITION CALCULATION			
(E) WALLS	SQFT	DEMO - SQFT	% - SQFT
(E) NORTH WALL SF :	551.2 SF		
(E) SOUTH WALL SF :	664 SF	366 SF	11%
(E) WEST WALL SF :	1,080.2 SF		
(E) EAST WALL SF :	1,167.3 SF		
TOTAL (E) EXTERIOR WALL :	3,462.7 SF	366 SF	11%

RESIDENTIAL ADDITION

1611 WILLOW AVE
BURLINGAME, CA 94010
PARCEL NUMBER 028142350



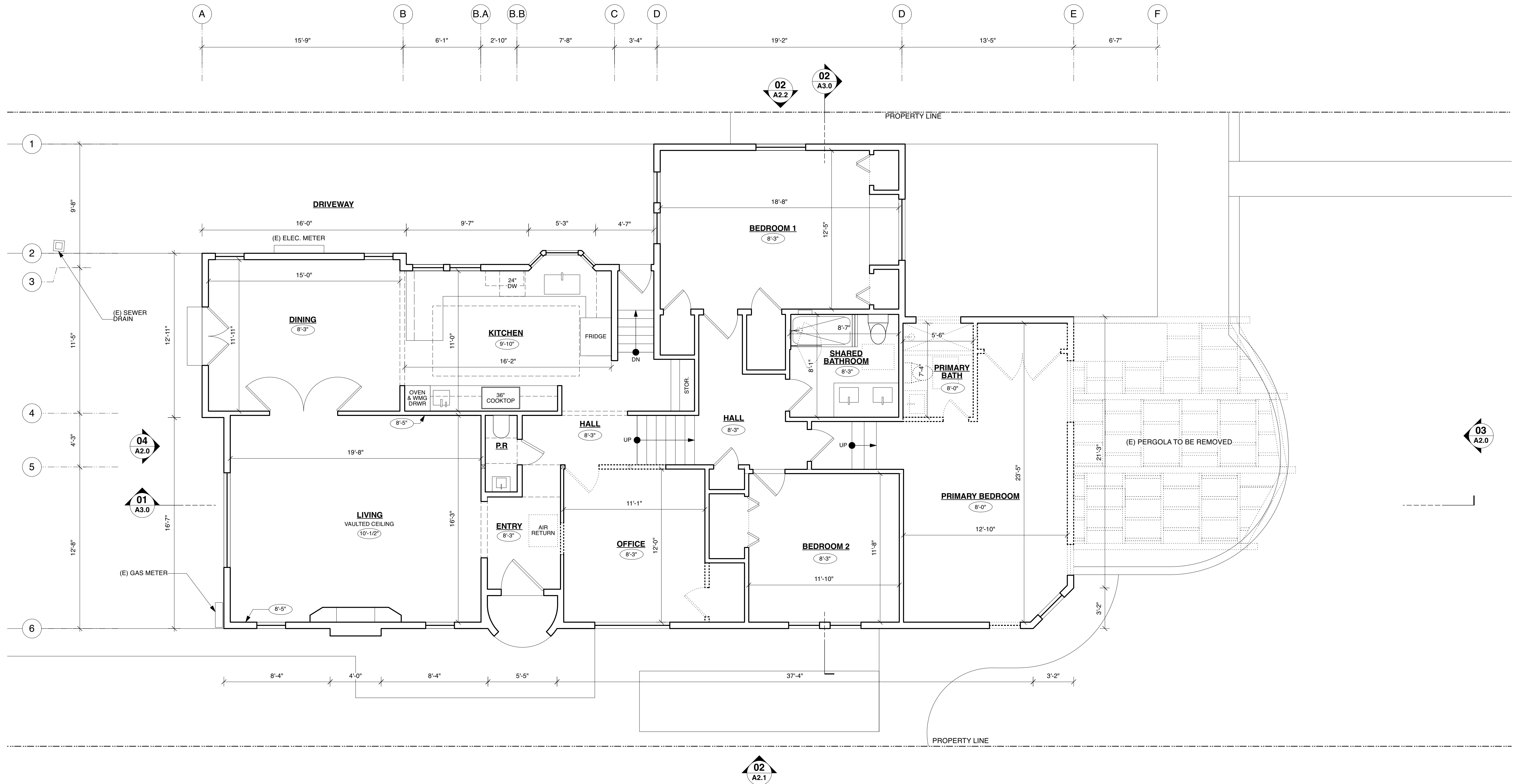
APPARATUS ARCHITECTURE

4400 16th Street
San Francisco, CA 94114
T: (415) 752-8904
E: info@apparatus.com

date	NOV 17, 2025
scale	1/4" = 1'-0"
revis	
	REVISION JUN 01, 2026
	REVISION JUN 18, 2026
	REVISION JUN 18, 2026

EXISTING / DEMO LOWER LEVEL FLOOR PLAN

A1.0



	(N) WALL
	(E) WALL
	DEMO
	CEILING HT.
	FLOOR LVL. CHANGE

date	NOV 17, 2025
scale	1/4" = 1'-0"
revis	
	REVISION JUN 01, 2026
	REVISION JUN 18, 2026
	REVISION JUN 18, 2026

RESIDENTIAL ADDITION
1611 WILLOW AVE
BURLINGAME, CA 94010
PARCEL NUMBER 028142350

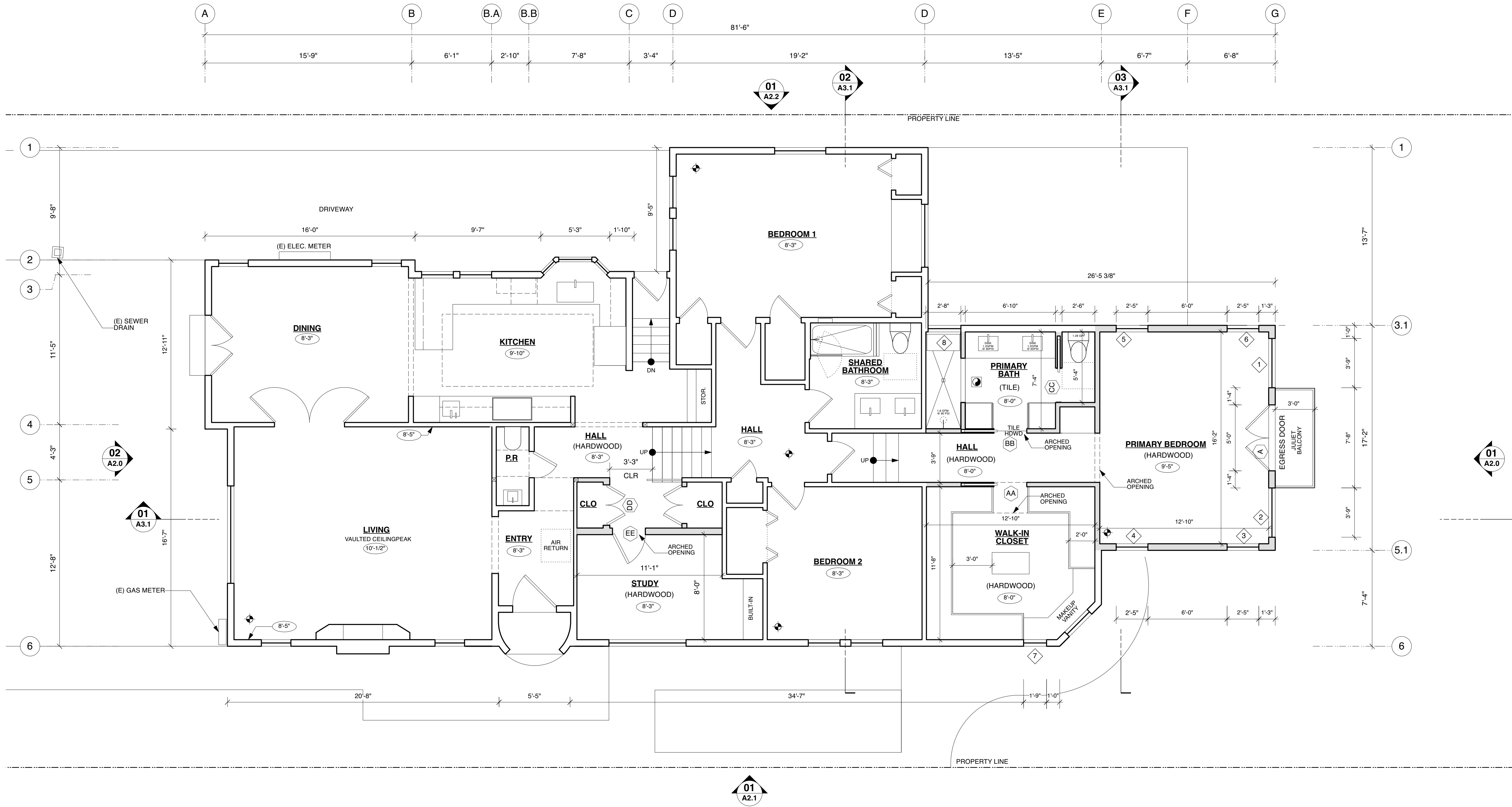


APPARATUS ARCHITECTURE

4401 16th Street
San Francisco, CA 94114
T: (415) 752-6904
E: info@apparatus.com

EXISTING / DEMO MAIN LEVEL FLOOR PLAN

A1.1



	(N) WALL
	(E) WALL
	DEMO
	CEILING HT.
	FLOOR LVL. CHANGE

PROPOSED MAIN LEVEL FLOOR PLAN

date	NOV 17, 2025
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	REVISION JUN 01, 2026
	REVISION JUN 18, 2026
	REVISION JUN 18, 2026

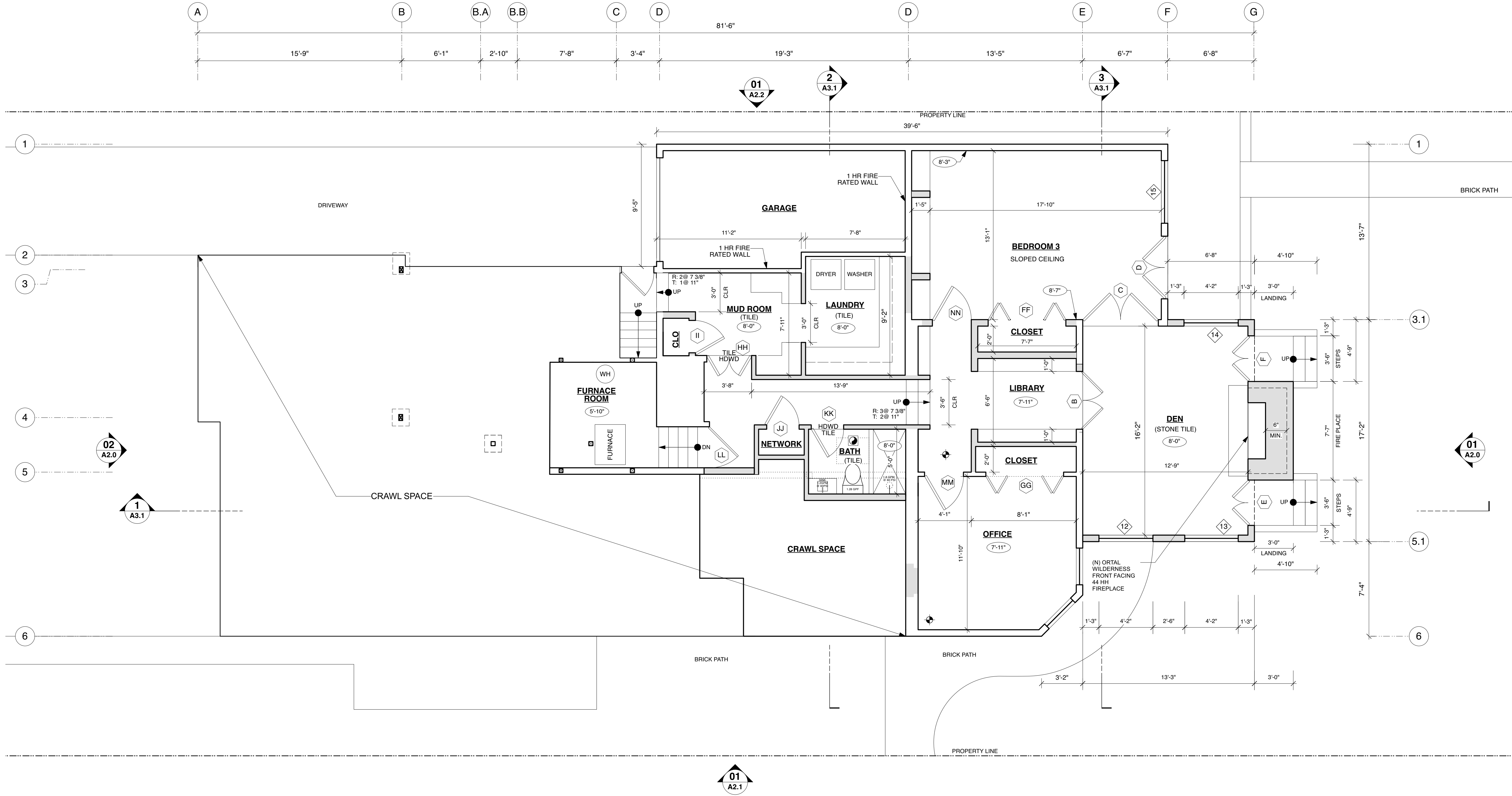
RESIDENTIAL ADDITION
1611 WILLOW AVE
BURLINGAME, CA 94010
PARCEL NUMBER 028142350



APPARATUS ARCHITECTURE

4400 18th Street
San Francisco, CA 94114
t: (415) 762-6904
e: info@apparatus.com

A1.2



	(N) WALL
	(E) WALL
	DEMO
	CEILING HT.
	FLOOR LVL. CHANGE

PROPOSED LOWER LEVEL FLOOR PLAN

RESIDENTIAL ADDITION

1611 WILLOW AVE
BURLINGAME, CA 94010
PARCEL NUMBER 028142350



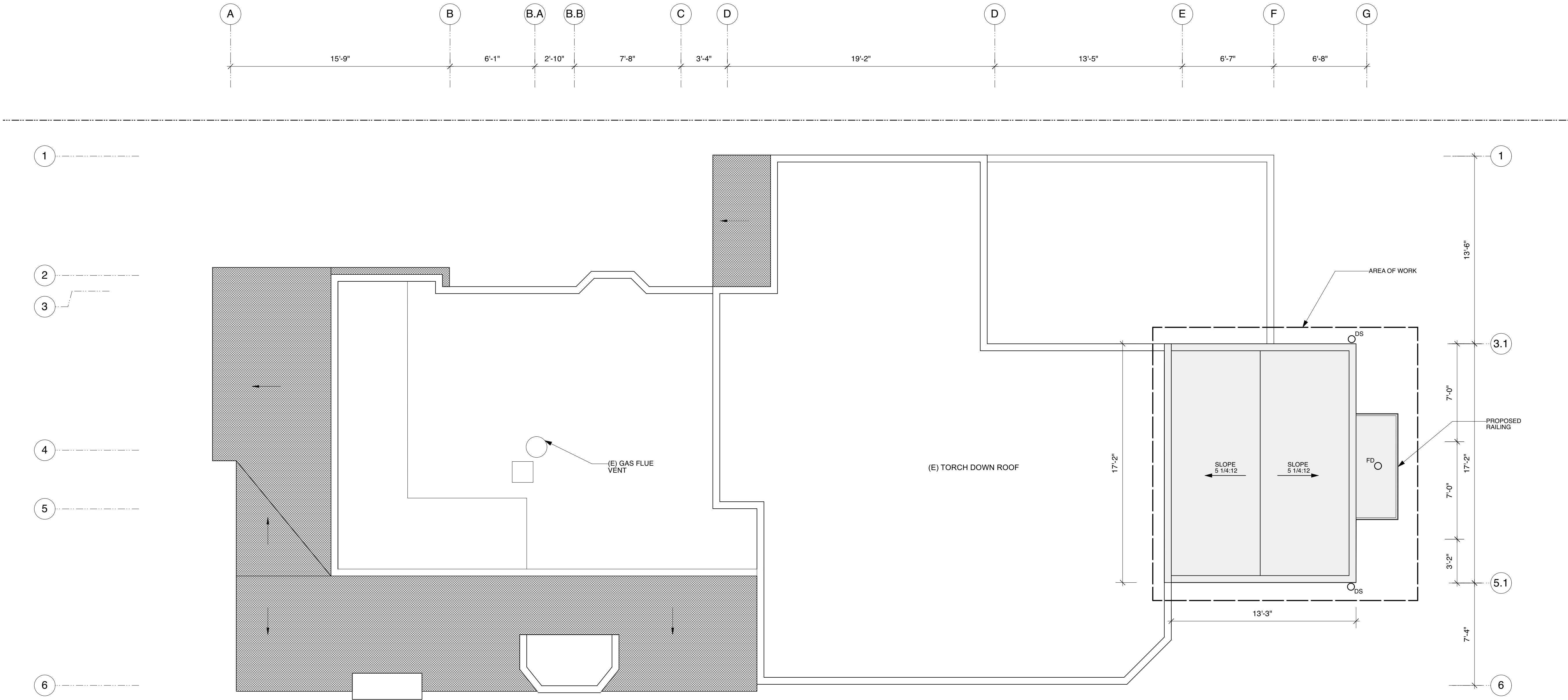
APPARATUS ARCHITECTURE

440 18th Street
San Francisco, CA 94114

T: (415) 752-6904
E: info@apparatus.com

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	REVISION JUN 01, 2026
	REVISION JUN 18, 2026
	REVISION JUN 18, 2026

A1.3



PROPOSED ROOF PLAN

date	NOV 17, 2025
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3	REVISION JUN 18, 2026
4	REVISION JUN 18, 2026

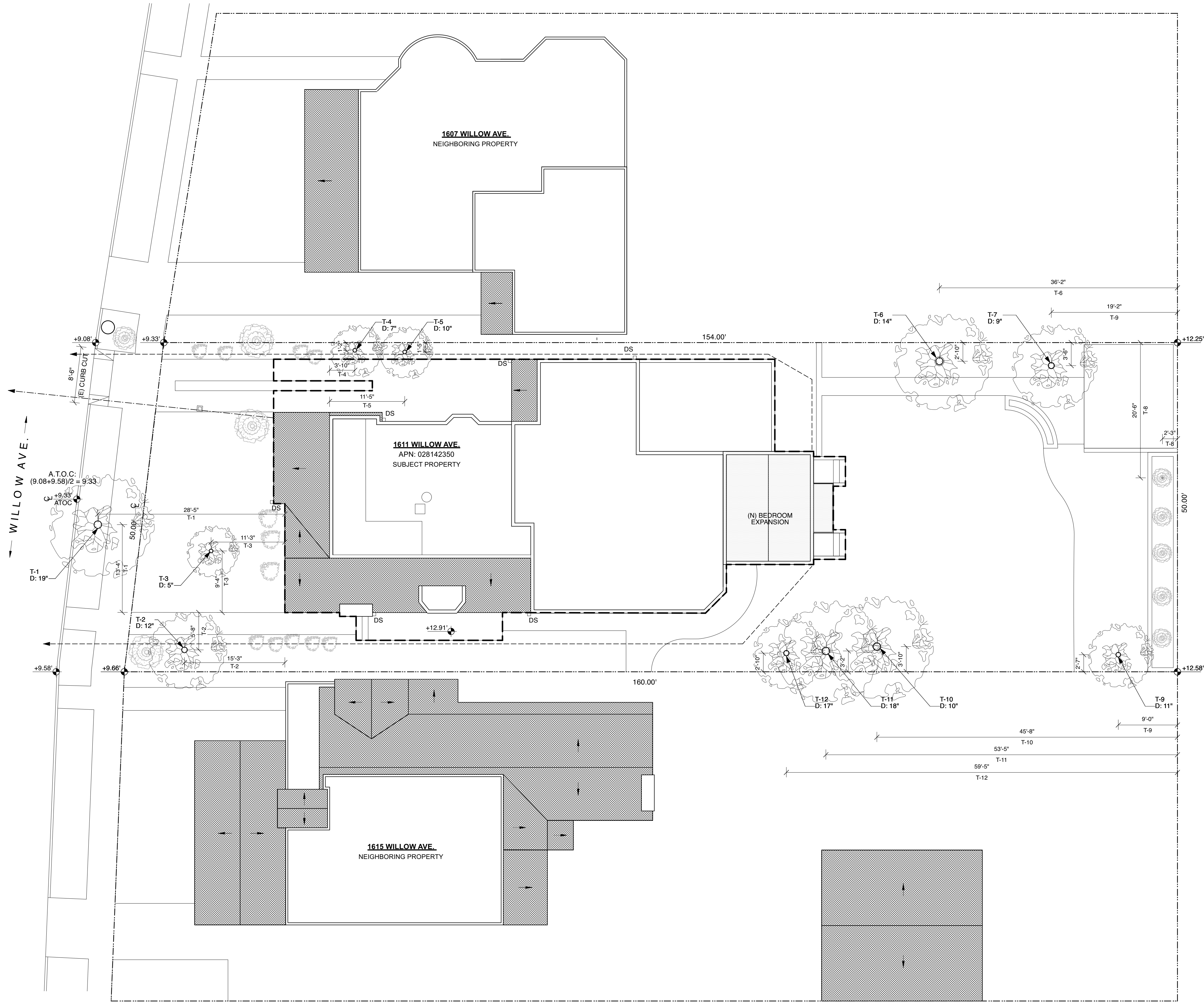
RESIDENTIAL ADDITION
1611 WILLOW AVE
BURLINGAME, CA 94010
PARCEL NUMBER 028142350

OWNER:
VEENA DUBAL
J RYAN GILFOIL



APPARATUS ARCHITECTURE

4401 16th Street
San Francisco, CA 94114
t: (415) 752-8904
e: info@apparatus.com



PROPOSED LANDSCAPE, IRRIGATION PLAN AND IRRIGATION CALCS.

TREE INVENTORY & ASSESSMENT TABLE

*TRUNK DIAMETERS OF OFFSITE TREES ARE VISUAL ESTIMATES

Tree #	Protected	Preserve/Remove	Species (Common / Latin)	Trunk Diameter (in.)	Health	Structure	Qualifies as Required Landscape Tree
1	Yes/Street	Preserve	Southern magnolia (Magnolia grandiflora)	18	Fair	Fair	
2	No	Preserve	Chinese saucer magnolia (Magnolia x soulangeana)	12.5	Good	Fair	Yes
3	No	Preserve	Red horse chestnut (Aesculus x carnea)	4	Good	Good	
4	No	Preserve	Pittosporum (Pittosporum undulatum)	6	Fair	Good	Yes
5	No	Preserve	Pineapple guava (Acca sellowiana)	10	Poor	Fair	
6	Yes	Preserve	Carolina cherry laurel (Prunus caroliniana)	14.8	Fair	Fair	Yes
7	No	Preserve	Loquat (Eriobotrya japonica)	8.5	Poor	Poor	
9	No	Preserve	Prunus sp.	8	Fair	Fair	
10	No	Preserve	Carolina cherry laurel (Prunus caroliniana)	7.5	Fair	Poor	Yes
11	No	Preserve	Chinese elm (Ulmus parvifolia)	12.7	Good	Fair	Yes
12	No	Preserve	Chinese elm (Ulmus parvifolia)	13.2	Good	Fair	Yes

date	NOV 17, 2025
scale	1/8" = 1'-0"
revis	
2	REVISION JUN 01, 2026
3	REVISION JUN 18, 2026
4	REVISION JUN 18, 2026

RESIDENTIAL ADDITION

1611 WILLOW AVE
BURLINGAME, CA 94010
PARCEL NUMBER 028142350

OWNER:
VEENA DUBAL
J RYAN GILFOIL



APPARATUS ARCHITECTURE

4401 18th Street
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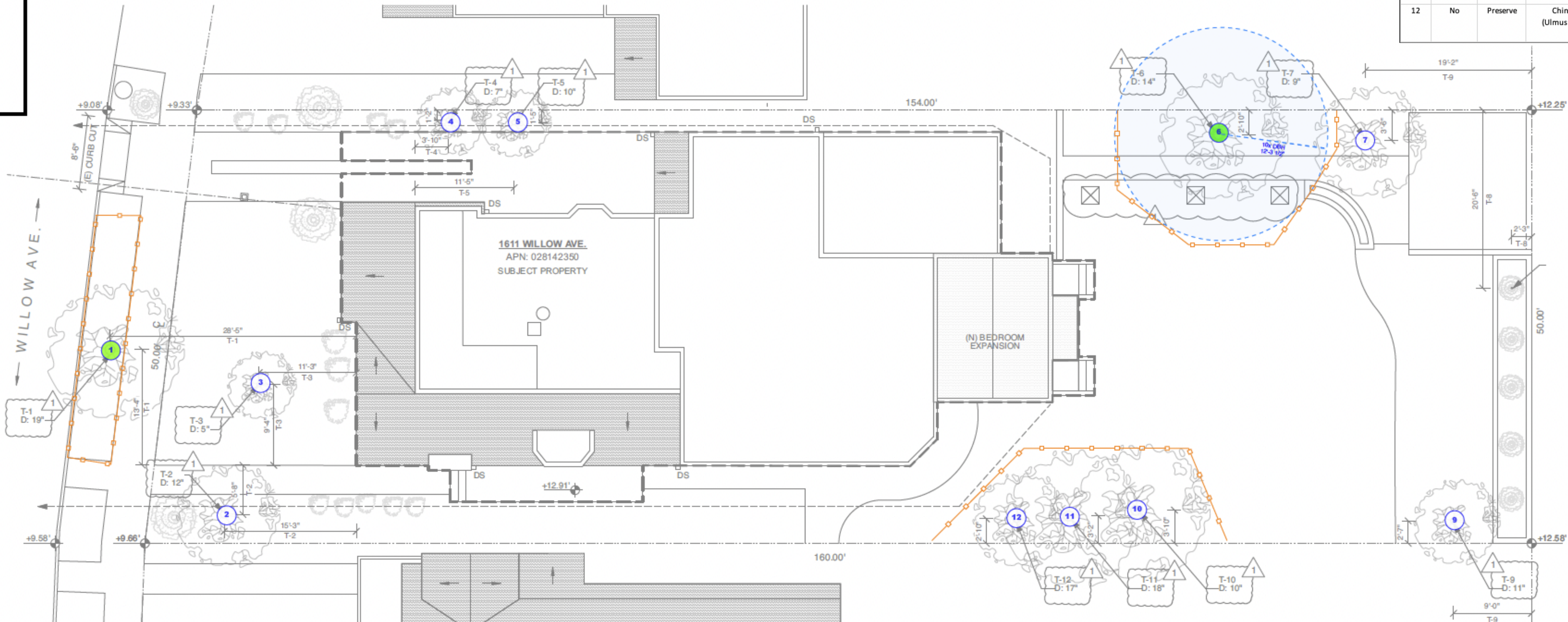


PROJECT ARBORIST
MATTHEW FRIED - ISA NO. MA-4851B
matthew@heartwoodarborists.com
650-542-8733

REFER TO SHEET T-3 FOR
COMPLETE TREE PROTECTION
REQUIREMENTS

LEGEND

- PROTECTED TREE
- NON-PROTECTED TREE
- TREE (REMOVE)
- TREE PROTECTION FENCE



TREE INVENTORY & ASSESSMENT TABLE						
*TRUNK DIAMETERS OF OFFSITE TREES ARE VISUAL ESTIMATES						
Tree #	Protected	Preserve/Remove	Species (Common / Latin)	Trunk Diameter (in.)	Health	Structure
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2	No	Preserve	Chinese saucer magnolia (Magnolia x soulangeana)	12.5	Good	Fair
3	No	Preserve	Red horse chestnut (Aesculus x carnea)	4	Good	Good
4	No	Preserve	Pittosporum (Pittosporum undulatum)	6	Fair	Good
5	No	Preserve	Pineapple guava (Acca sellowiana)	10	Poor	Fair
6	Yes	Preserve	Carolina cherry laurel (Prunus caroliniana)	14.8	Fair	Fair
7	No	Preserve	Loquat (Eriobotrya japonica)	8.5	Poor	Poor
9	No	Preserve	Prunus sp.	8	Fair	Fair
10	No	Preserve	Carolina cherry laurel (Prunus caroliniana)	7.5	Fair	Poor
11	No	Preserve	Chinese elm (Ulmus parvifolia)	12.7	Good	Fair
12	No	Preserve	Chinese elm (Ulmus parvifolia)	13.2	Good	Fair

HEARTWOOD
CONSULTING ARBORISTS
266 S Hill Blvd. San Francisco, CA 94112
650.542.8733 w/heartwoodarborists.com

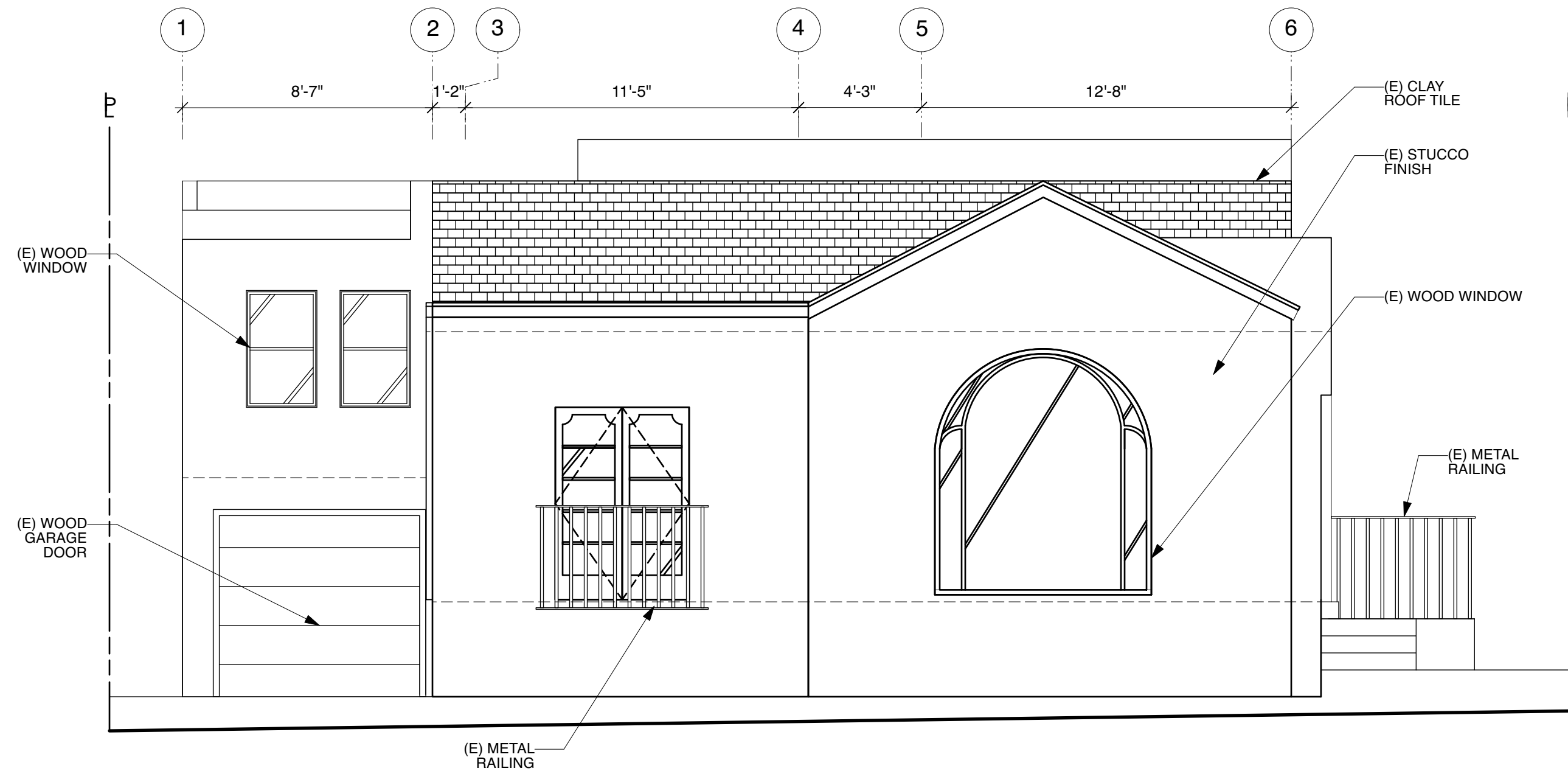
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BURLINGAME, CALIFORNIA

Revised
04/30/2026 11:55:54 AM

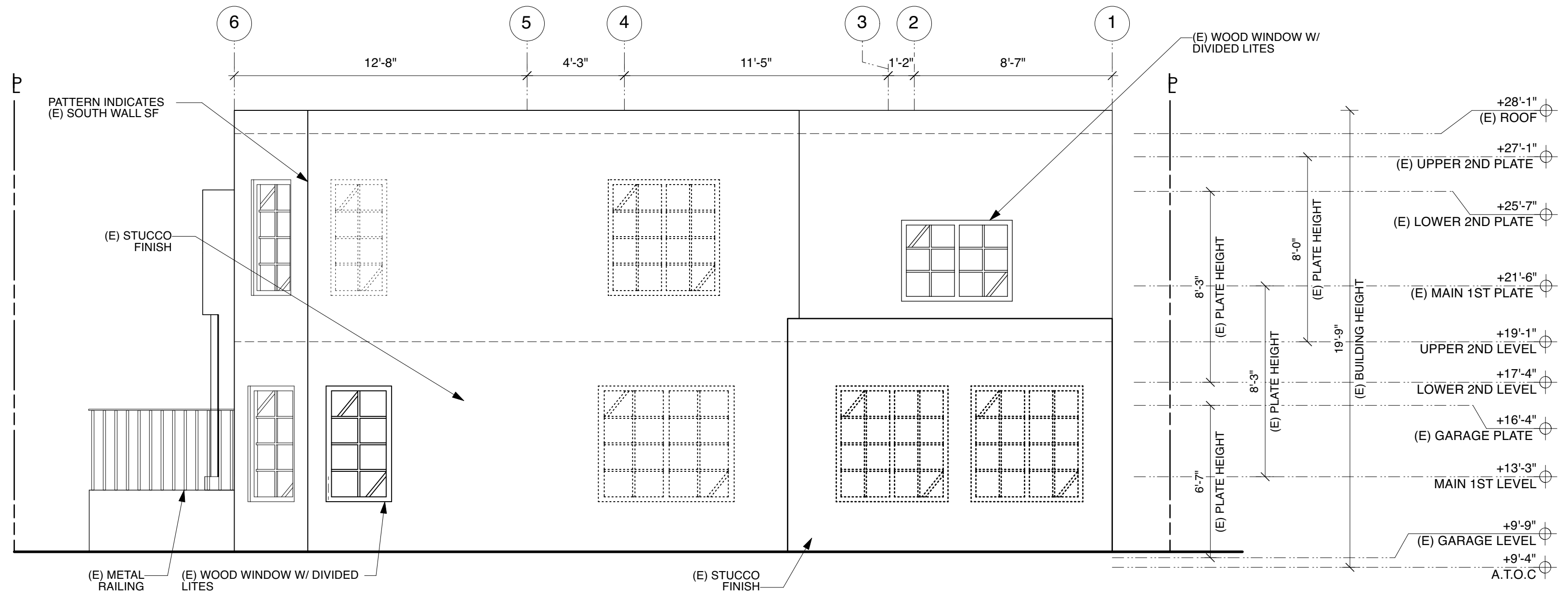
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TREE
PROTECTION
PLAN
SHEET 1 of 3

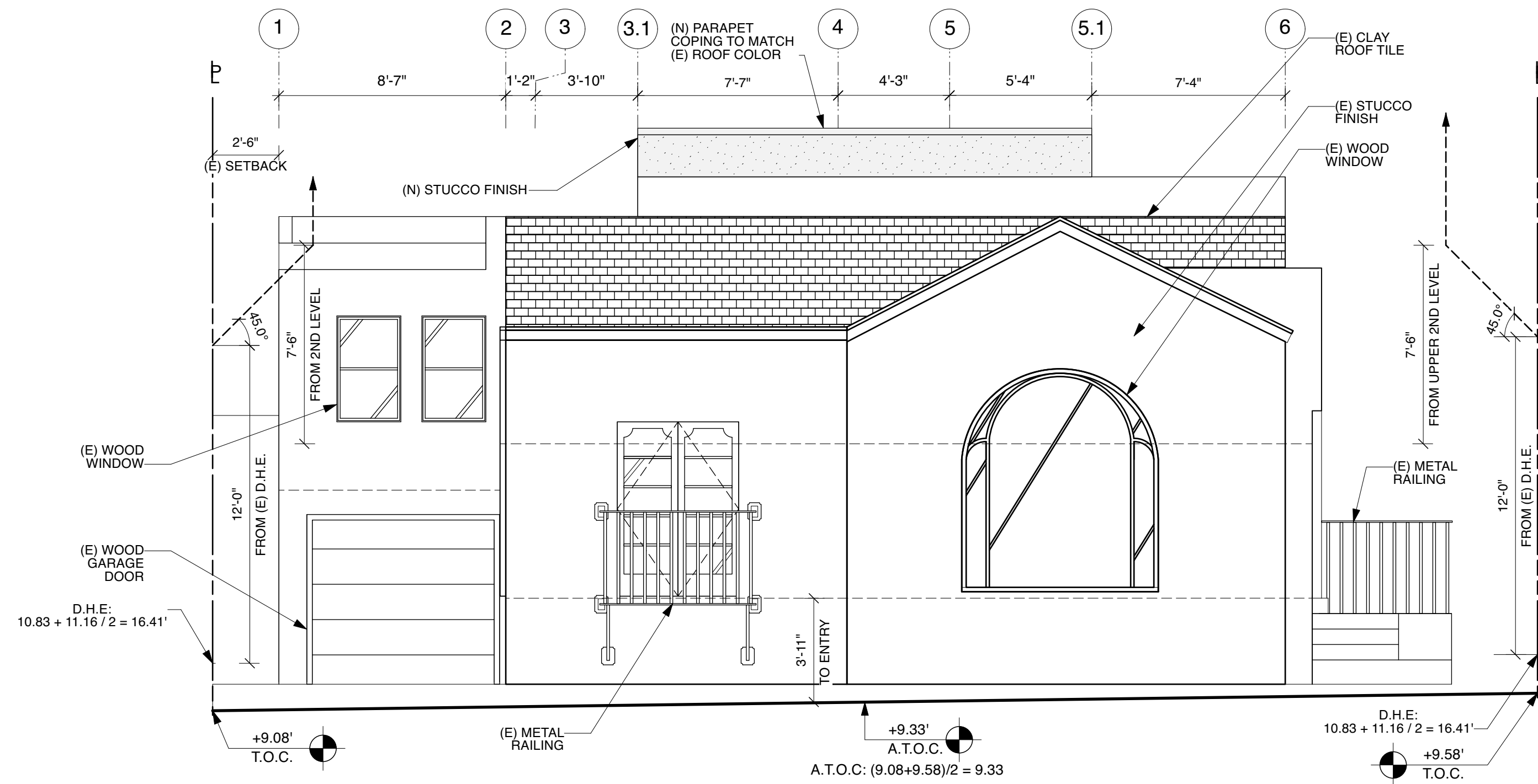
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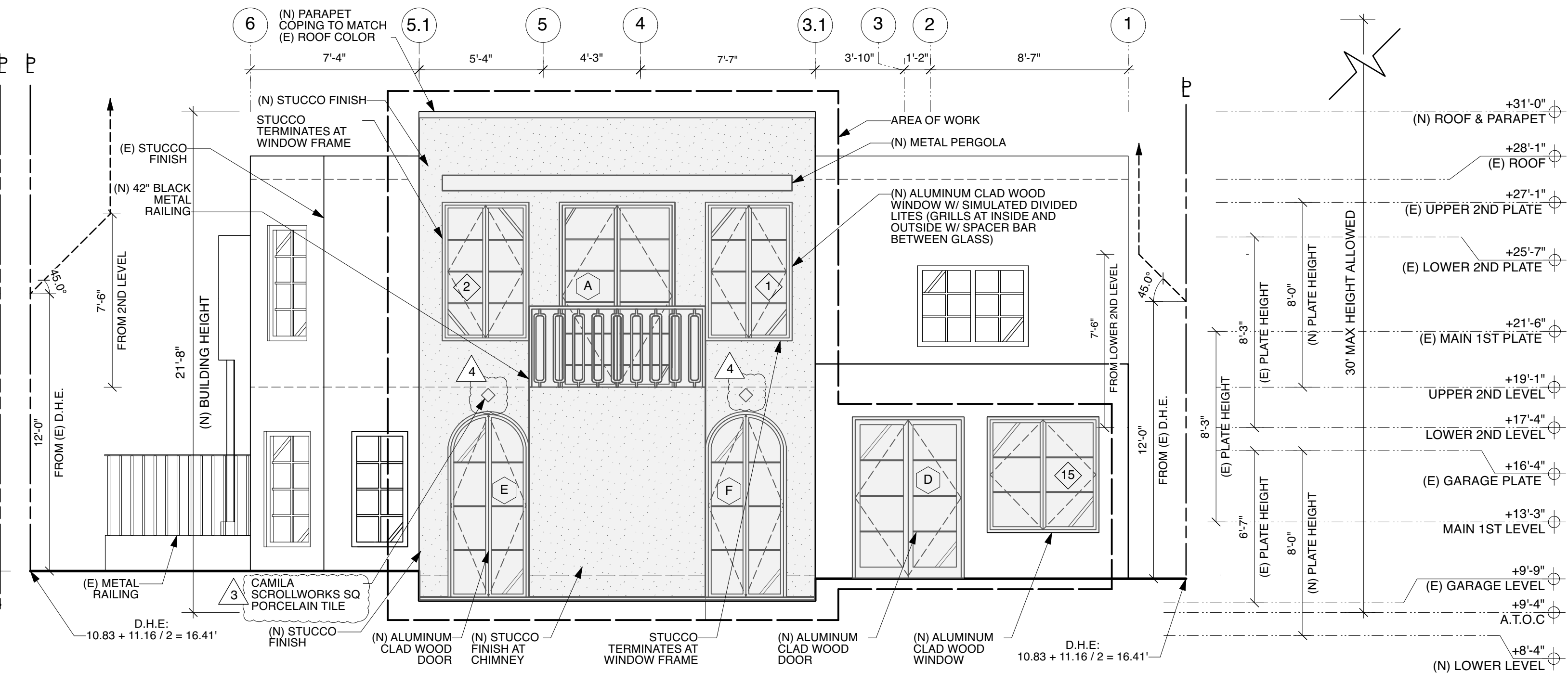
04 - EXISTING NORTH ELEVATIONS



03 - EXISTING SOUTH ELEVATIONS

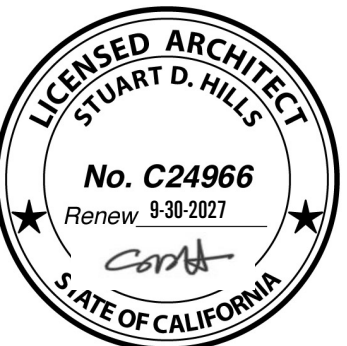


02 - PROPOSED NORTH ELEVATIONS



01 - PROPOSED SOUTH ELEVATIONS

EXISTING AND PROPOSED ELEVATIONS



RESIDENTIAL ADDITION
1611 WILLOW AVE
BURLINGAME, CA 94010
PARCEL NUMBER 028142350

OWNER:
VEENA DUBAL
J RYAN GILFOIL

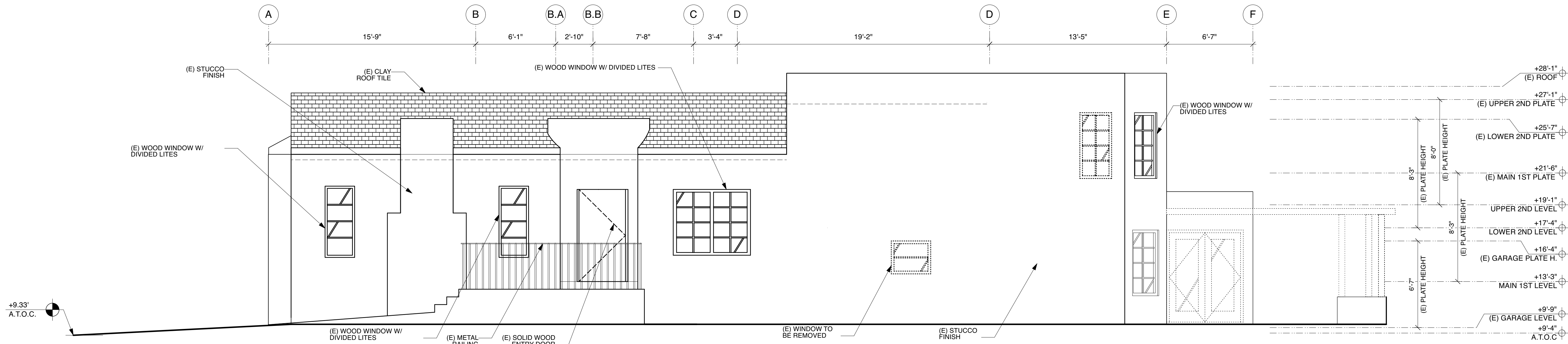
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3	REVISION JUN 18, 2026
4	REVISION JUN 18, 2026

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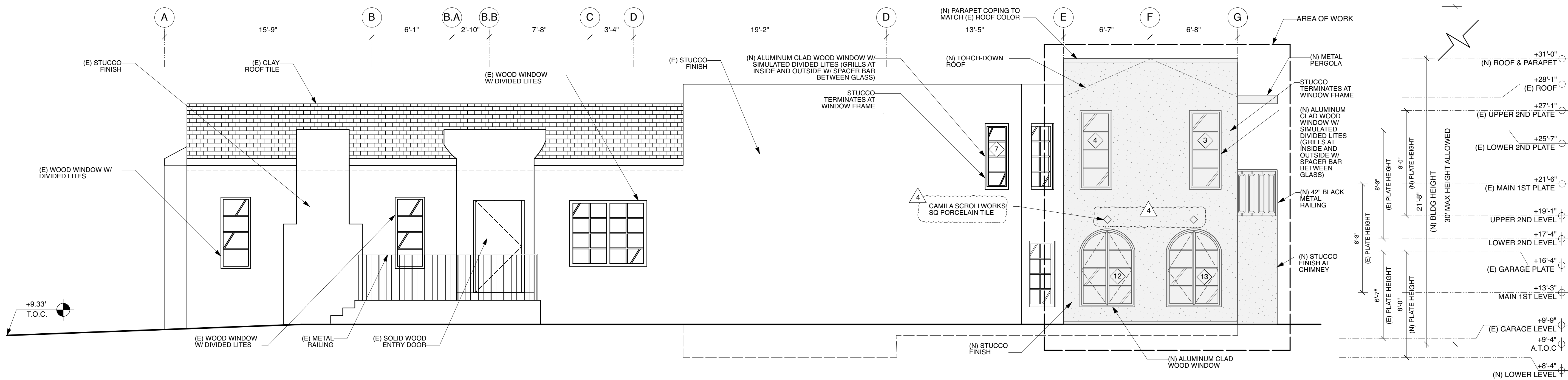
APPARATUS ARCHITECTURE



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02 - EXISTING WEST ELEVATIONS



01 - PROPOSED WEST ELEVATIONS

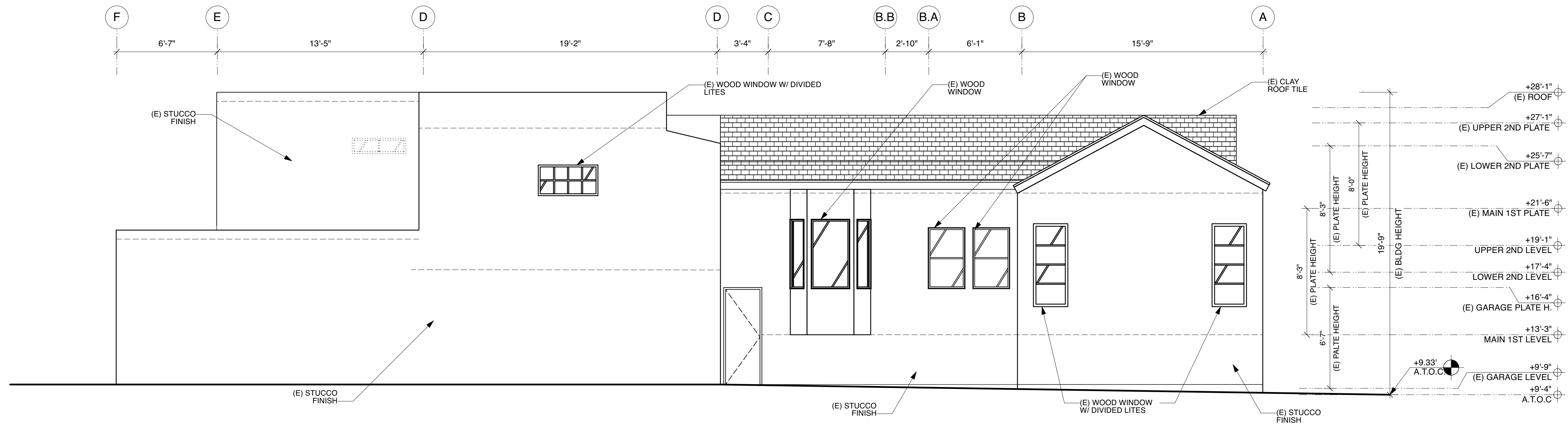


RESIDENTIAL ADDITION
1611 WILLOW AVE
BURLINGAME, CA 94010
PARCEL NUMBER 028142350

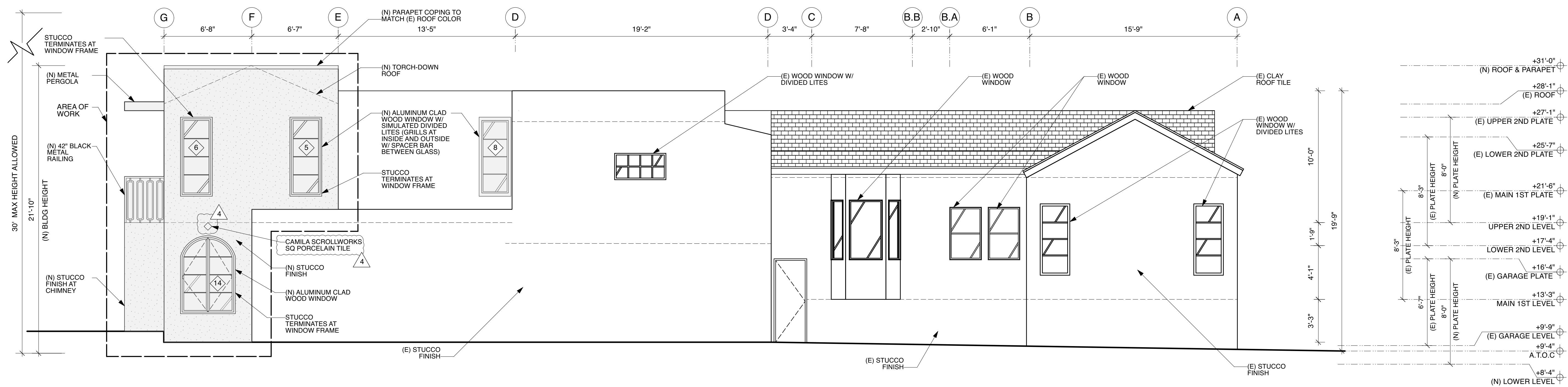
OWNER:
VEENA DUBAL
J RYAN GILFOIL

date	NOV 17, 2025
scale	1/4" = 1'-0"
revis	
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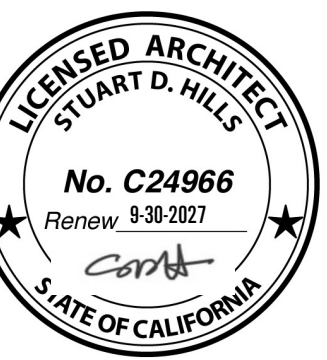


02 - EXISTING EAST ELEVATIONS



01 - PROPOSED EAST ELEVATIONS

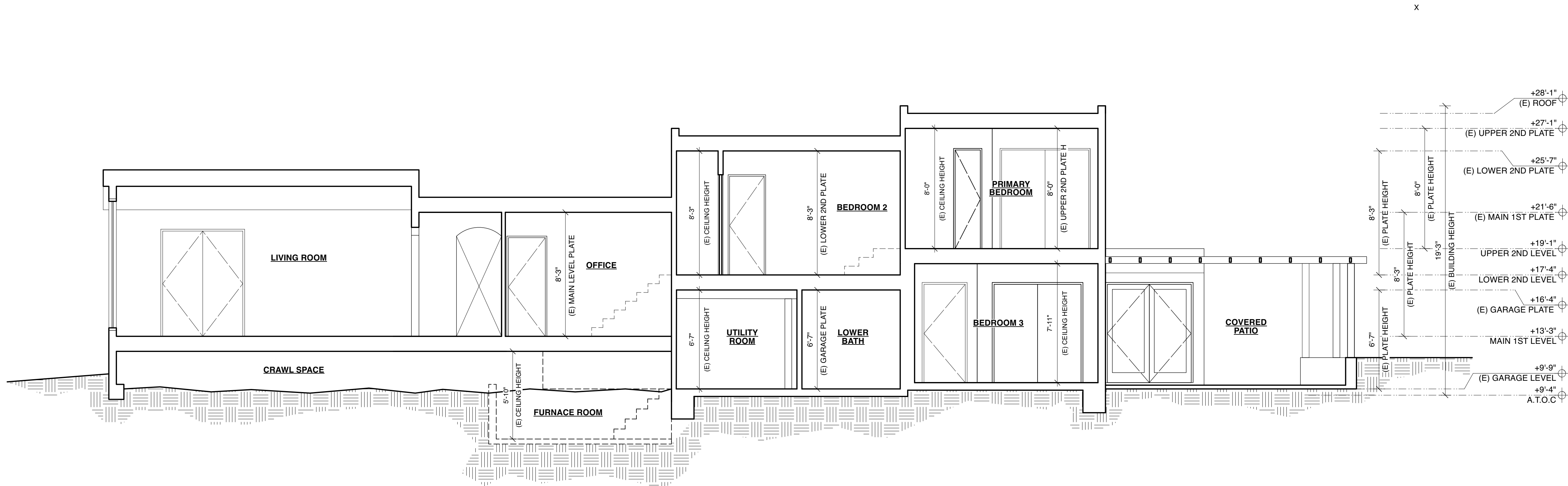
EXISTING AND PROPOSED ELEVATIONS



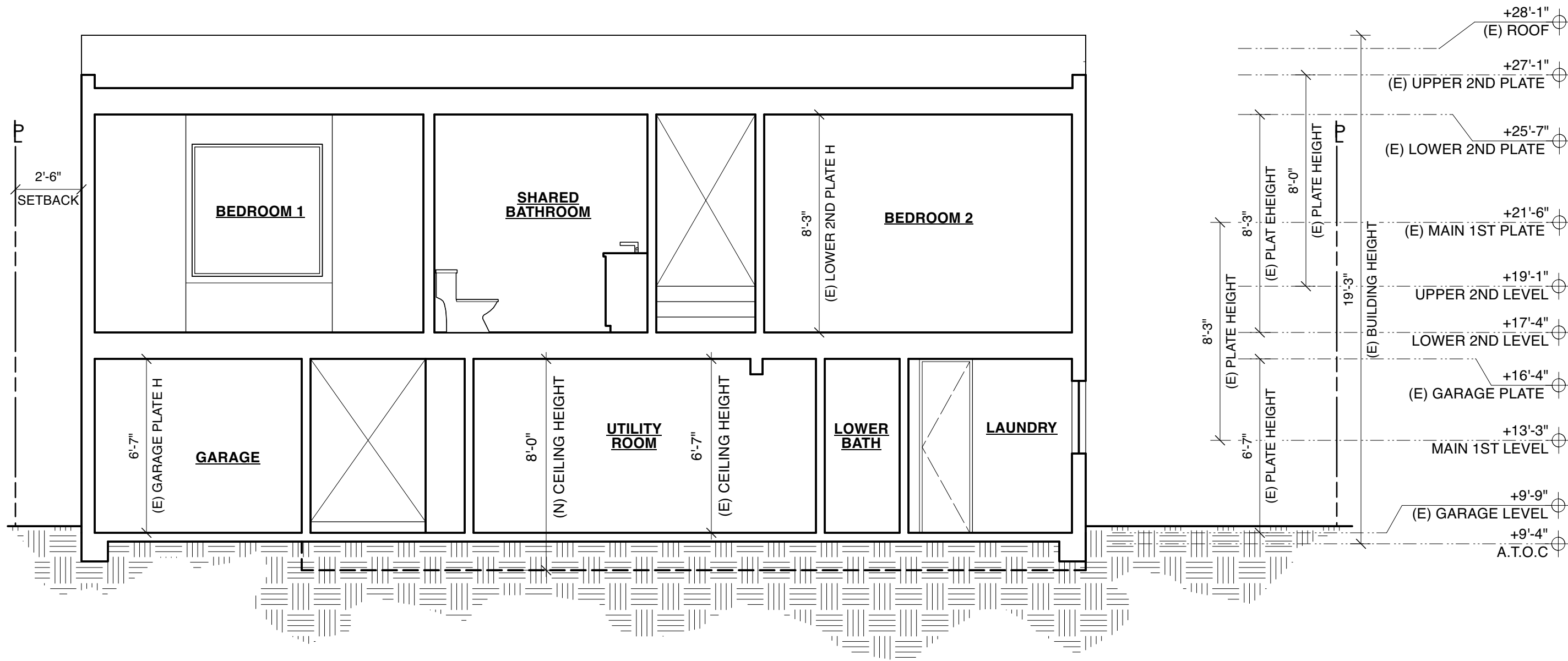
RESIDENTIAL ADDITION
1611 WILLOW AVE
BURLINGAME, CA 94010
PARCEL NUMBER 028142350

OWNER:
VEENA DUBAL
J RYAN GILFOIL

date	NOV 17, 2025
scale	1/4" = 1'-0"
revis	
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01 EXISTING SECTION



02 EXISTING SECTION

RESIDENTIAL ADDITION

1611 WILLOW AVE
BURLINGAME, CA 94010
PARCEL NUMBER 028142350

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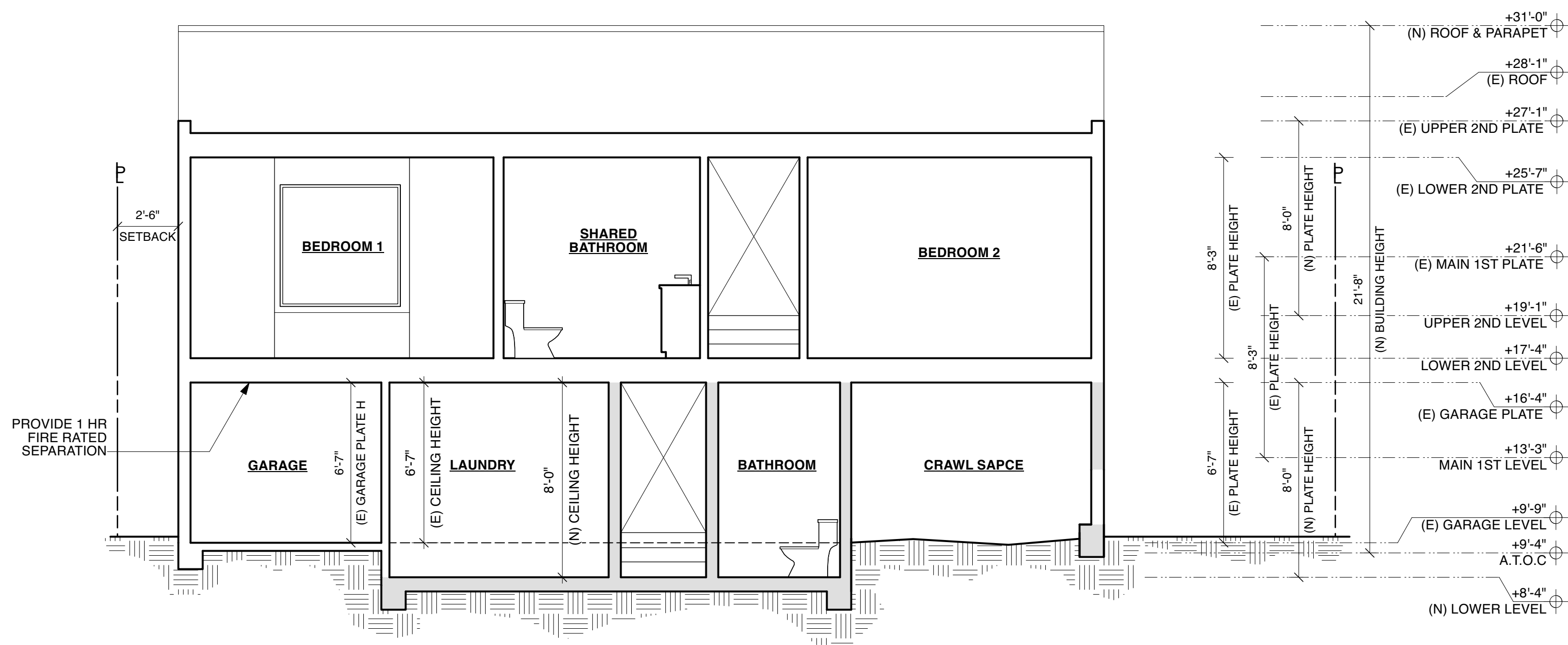


APPARATUS ARCHITECTURE

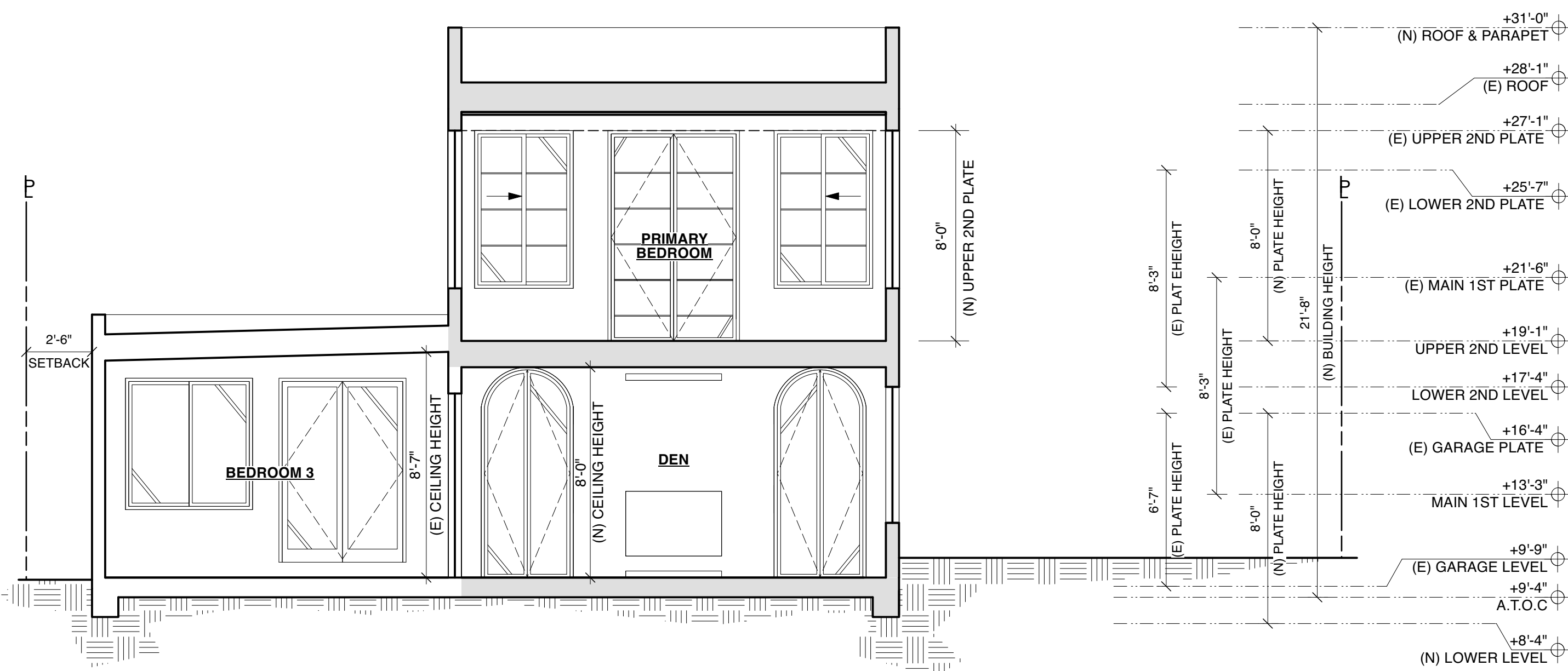
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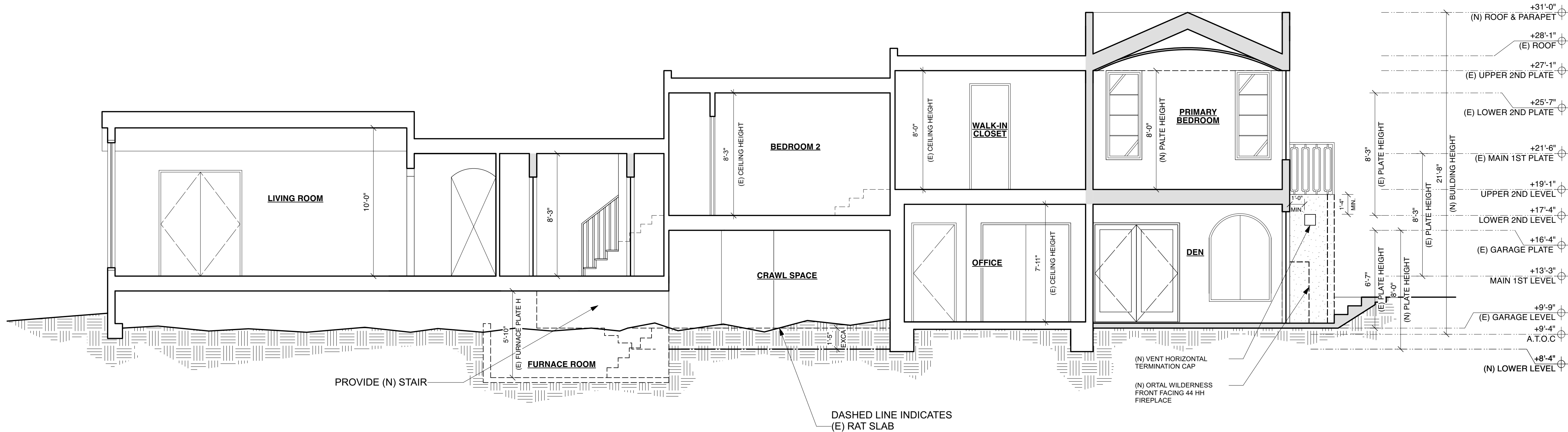
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02 PROPOSED SECTION



03 PROPOSED SECTION

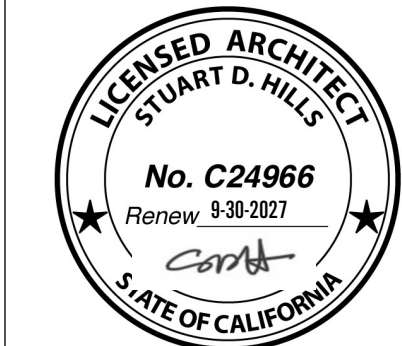


01 PROPOSED SECTION

RESIDENTIAL ADDITION

OWNER: VEENA DUBAL
J RYAN GILFOIL
1611 WILLOW AVE
BURLINGAME, CA 94010
PARCEL NUMBER 028142350

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APPARATUS ARCHITECTURE



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NEIGHBORHOOD CONTEXT

"EXAMPLE HOUSES" : REFER TO THE GROUP OF HOSUES THAT REPRESENT THE POSITIVE NEIGHBORHOOD PATTERS (N.D.G. PAGE 7)

THE PROPOSED ADDITIONS IS "CONSISTENT WITH THE NEIGHBORHOOD CHARACTER AND THAT OF THE EXAMPLE HOUSES IN THE NEIGHBORHOOD." (N.D.G. PAGE 7)



NEIGHBORHOOD CONTEXT



PROPOSED REAR VIEW

ADDITION EMPLOYS THE VOCBULARY OF SLEEPING PORCHES FEATURED ON HOMES OF THIS ERA WITH A CHANGE IN MATERIAL AND A DEN BELOW

ARCHED OPENINGS ON THE DAN REPEAT THE GEOMETRY OF THE EXISTING RESIDENCE AND ADJACENT HOMES - SEE NEIGHBORHOOD DESIGN GUIDEBOOK PAGE 2, PAGE 7



PROPOSED REAR AXON

THE ADDITION IS PLACED IN THE CENTER OF THE REAR YARD TO PROVIDE CLEARANCE FROM PROPERTY LINES AND A SENSE OF SEPARATION. PAGE 28



PROPOSED TILE DETAIL



PROPOSED REAR BIRDS EYE



FRONT STREET VIEW



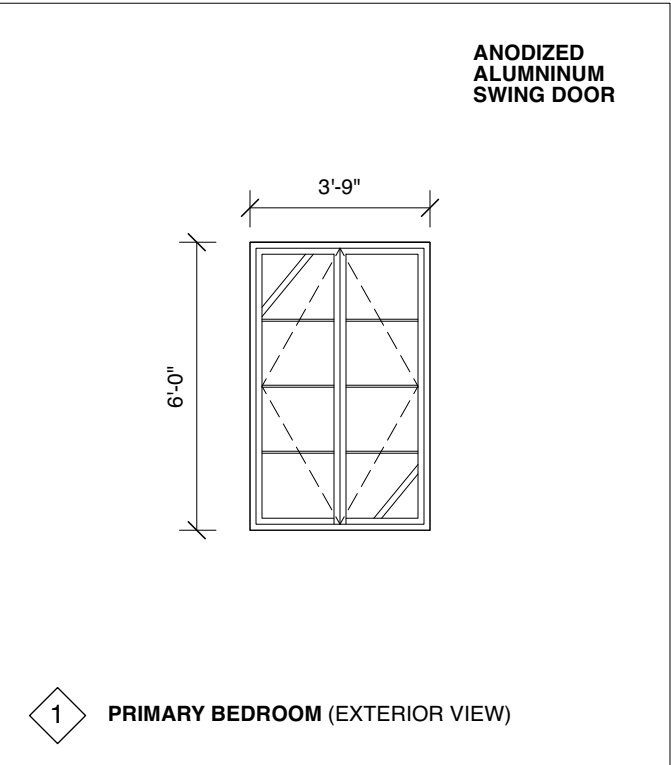
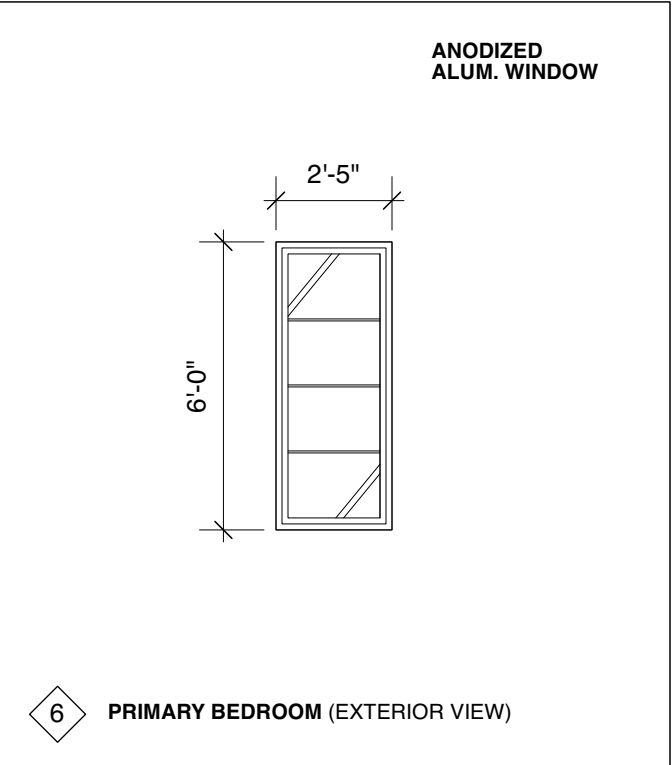
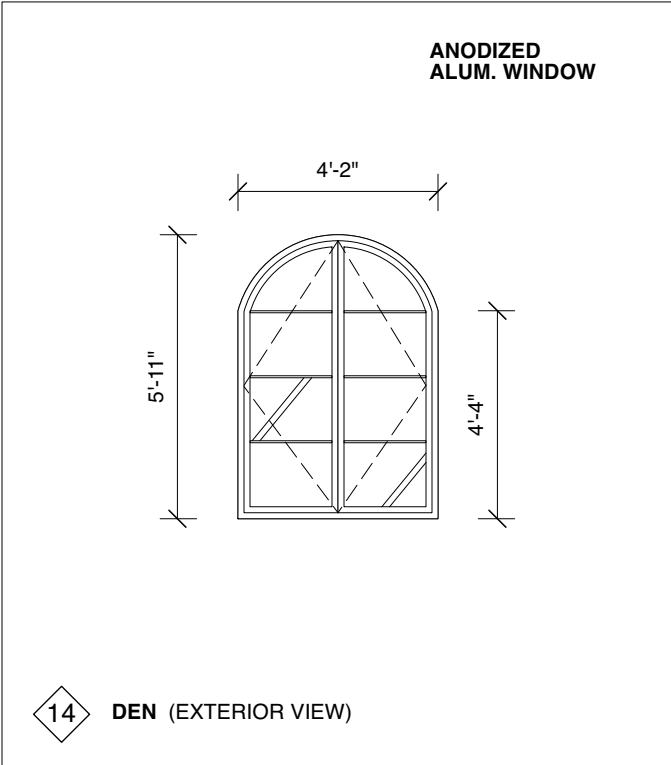
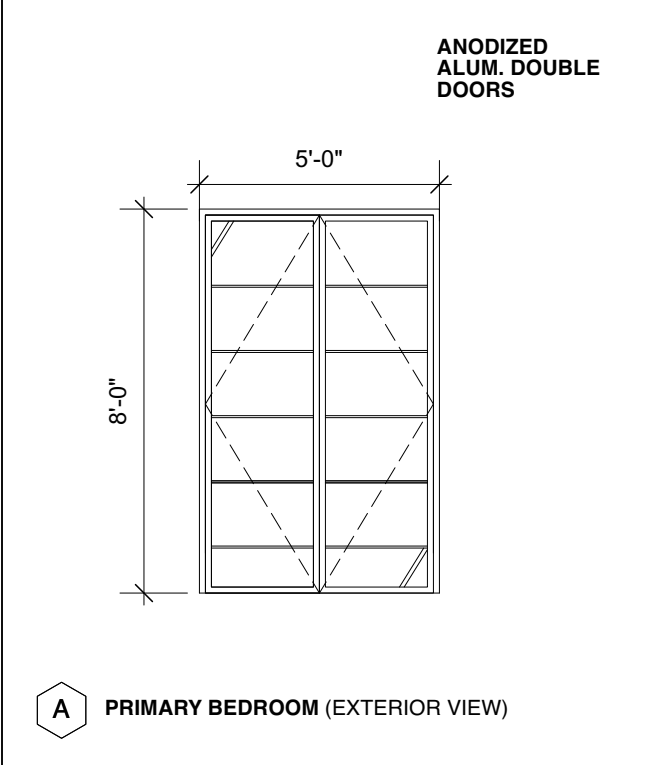
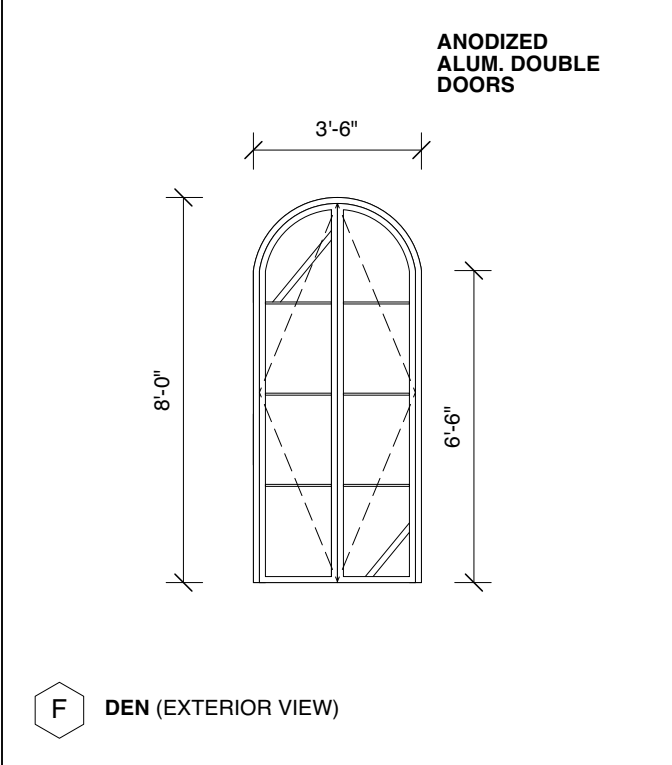
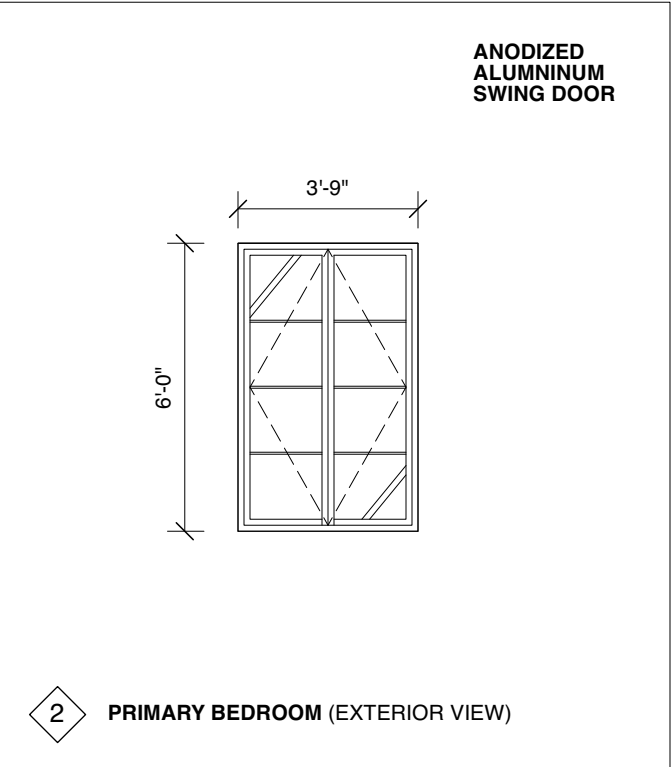
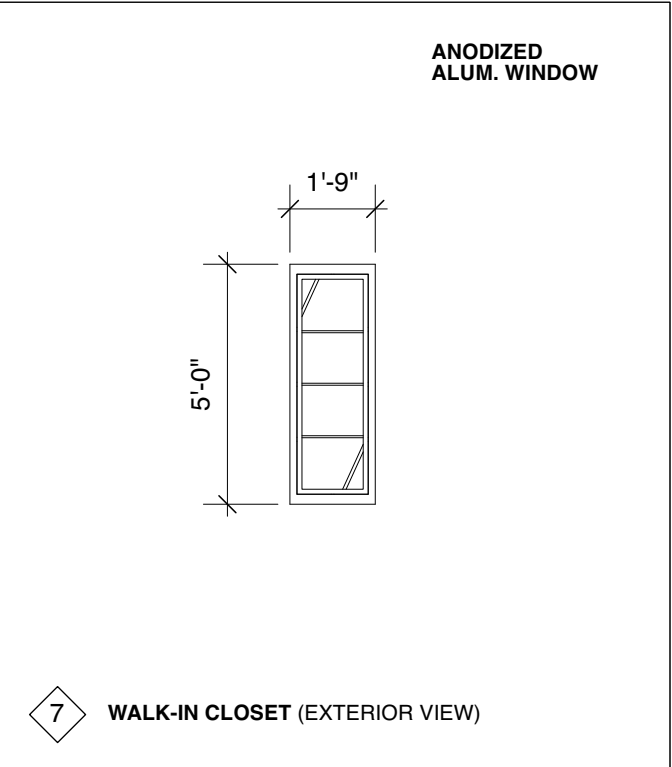
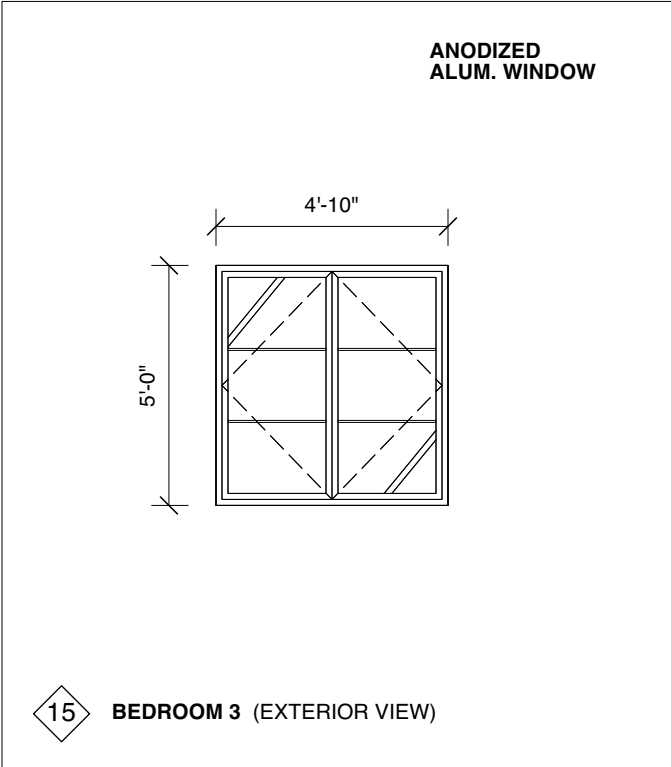
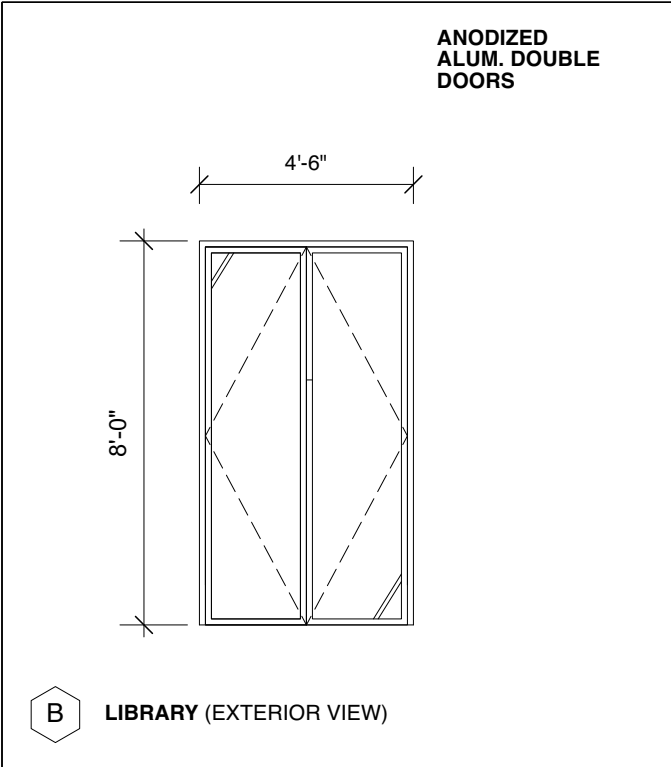
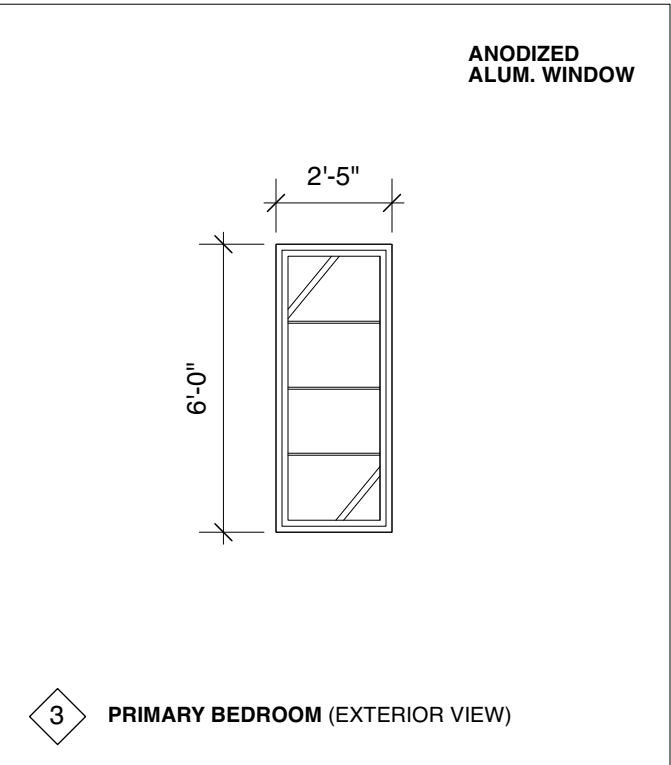
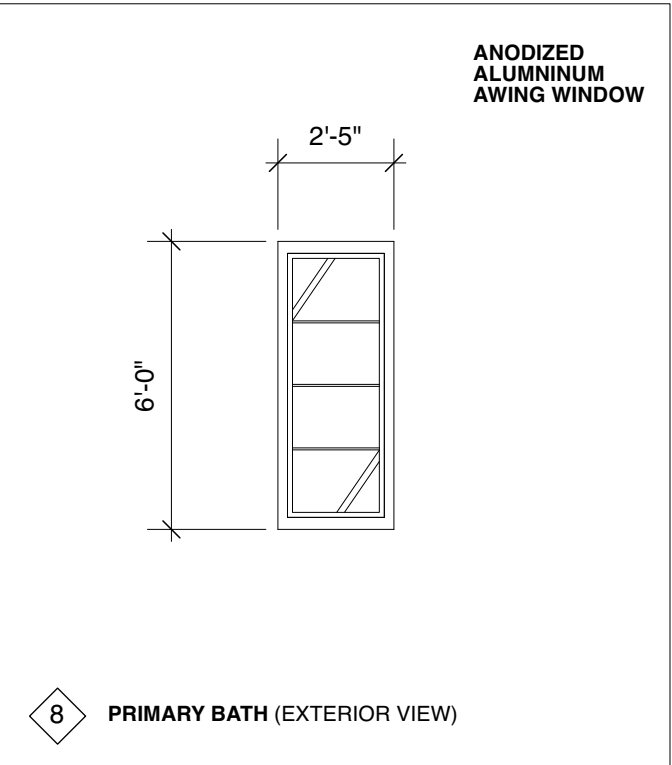
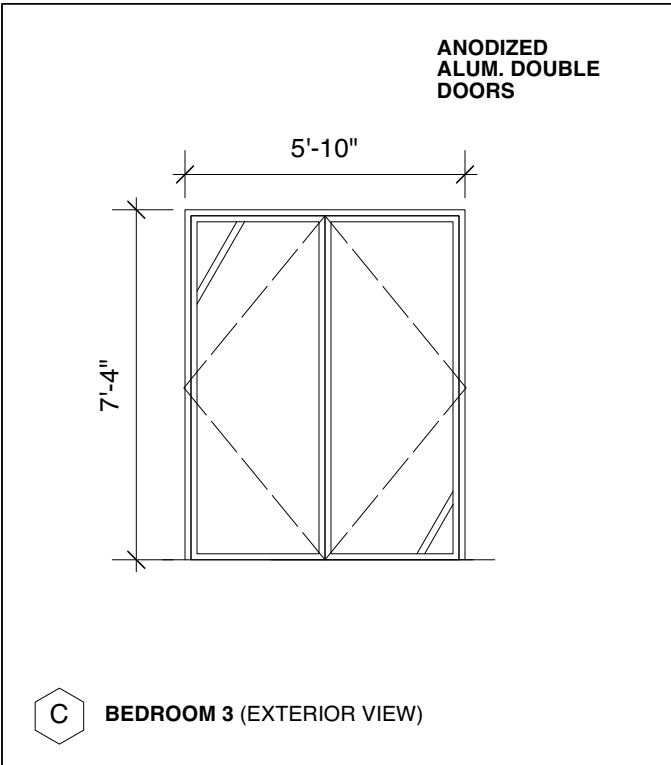
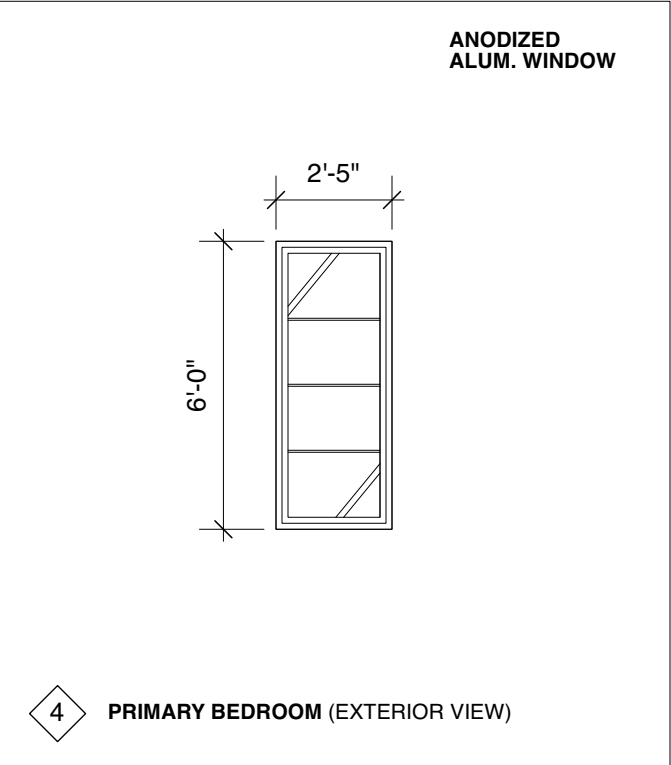
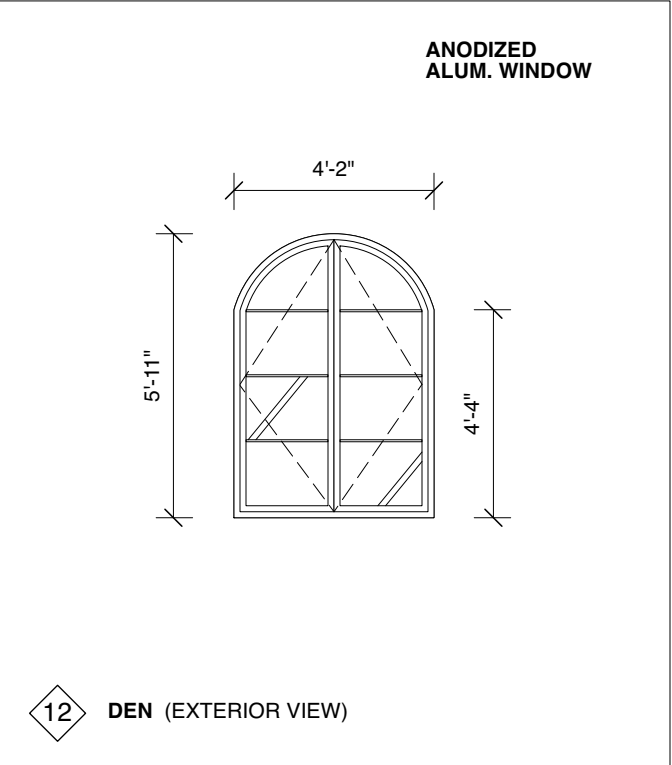
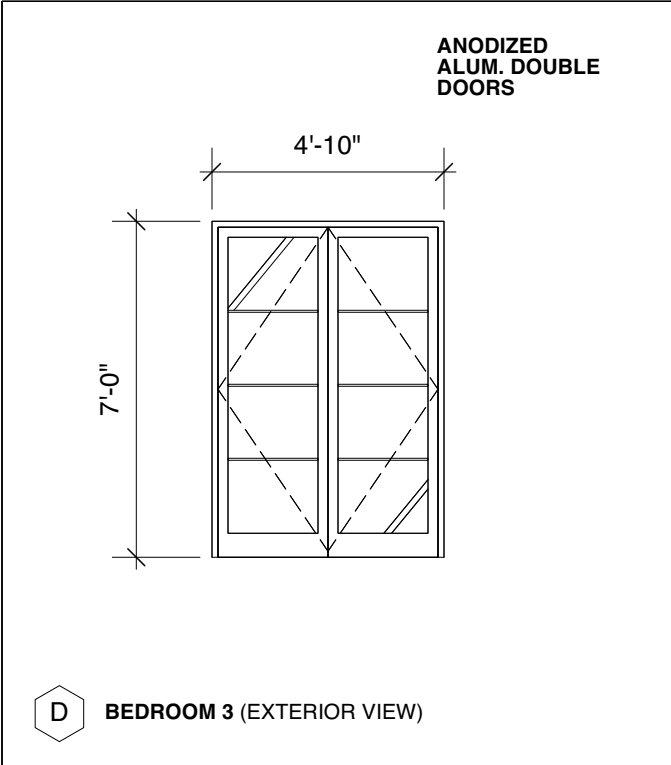
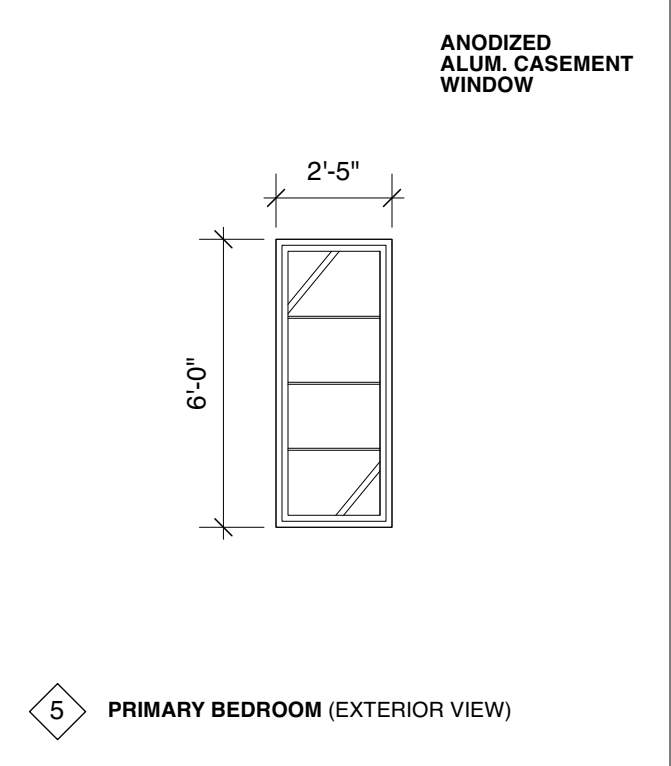
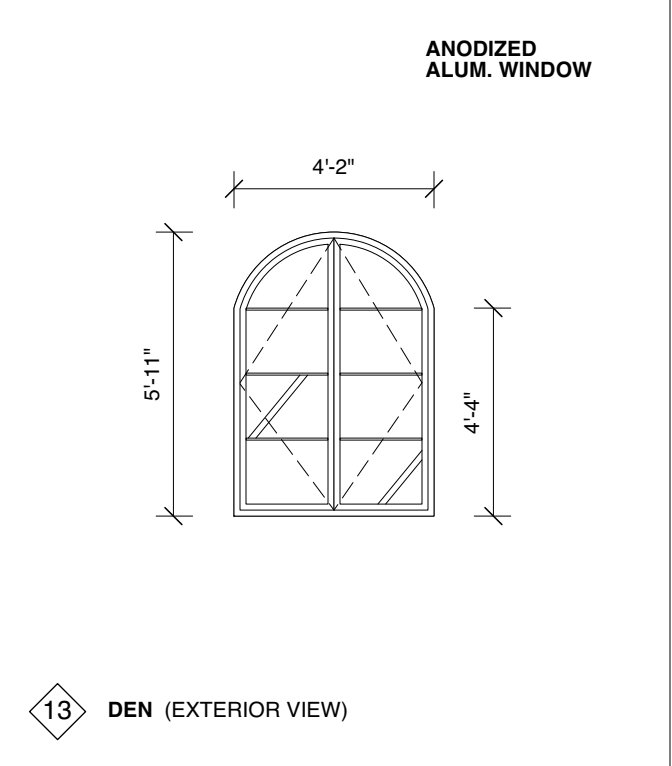
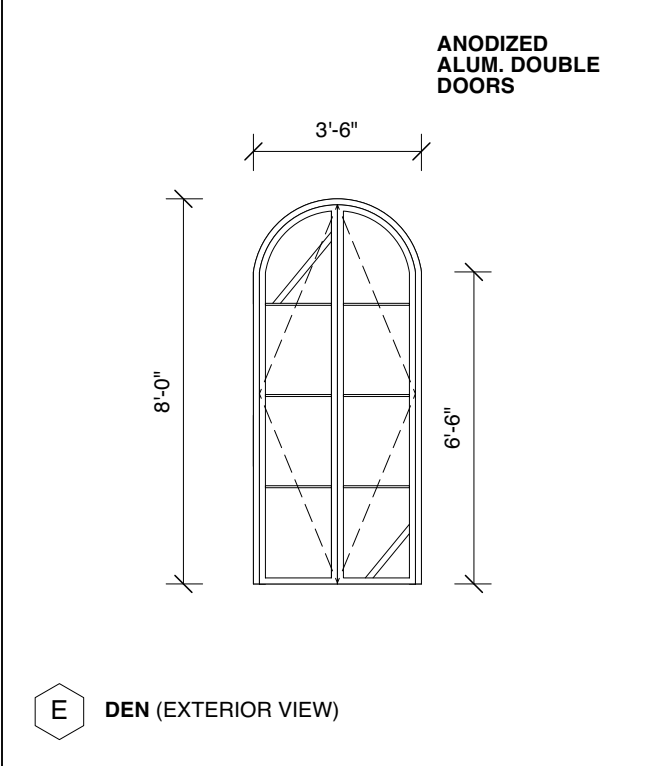
EXISTING WEST SIDE ELEVATION



EXISTING REAR ELEVATION

INTERIOR DOOR SCHEDULE

NO.	LOCATION	FRAME SIZE	TYPE	LOCK TYPE	MODEL	MATERIAL	NOTES
AA	WALK-IN CLOSET	30" W x 84" H	PORCKET	PASSAGE	SC / PC	WOOD	
BB	PRIMARY BATH	30" W x 84" H	POCKET	PRIVACY	SC / PC	WOOD	
CC	PRIMARY BATH	30" W x 84" H	POCKET	PRIVACY	SC / PC	WOOD	
DD	HALL CLOSET	37" W x 84" H	DOUBLE SWING	PASSAGE	SC / PC	WOOD	
EE	STUDY	30" W x 84" H	SWING	PRIVACY	SC / PC	WOOD	
FF	BEDROOM 3 CLO	72" W x 84" H	BI-FOLD	PASSAGE	SC / PC	WOOD	
GG	OFFICE CLOSET	72" W x 84" H	BI-FOLD	PASSAGE	SC / PC	WOOD	
HH	MUDROOM	42" W x 84" H	DOUBLE SWING	PASSAGE	SC / PC	WOOD	
II	MUDROOM CLO	30" W x 84" H	SWING	PASSAGE	SC / PC	WOOD	
JJ	NETWORK	30" W x 84" H	SWING	PASSAGE	SC / PC	WOOD	
KK	BATHROOM	30" W x 84" H	SWING	PRIVACY	SC / PC	WOOD	
LL	FURNACE ROOM	38" W x 84" H	SWING	PASSAGE	SC / PC	WOOD	1 HR FIRE RATED DOOR
MM	OFFICE	36" W x 84" H	SWING	PRIVACY	SC / PC	WOOD	
NN	BEDROOM 3	36" W x 84" H	SWING	PRIVACY	SC / PC	WOOD	



WINDOW AND DOOR SCHEDULE

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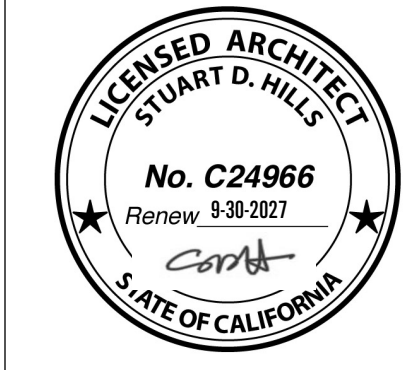
RESIDENTIAL ADDITION

1611 WILLOW AVE

BURLINGAME, CA 94010

PARCEL NUMBER 028142350

OWNER:
VEENA DUBAL
J RYAN GILFOIL



APPARATUS ARCHITECTURE

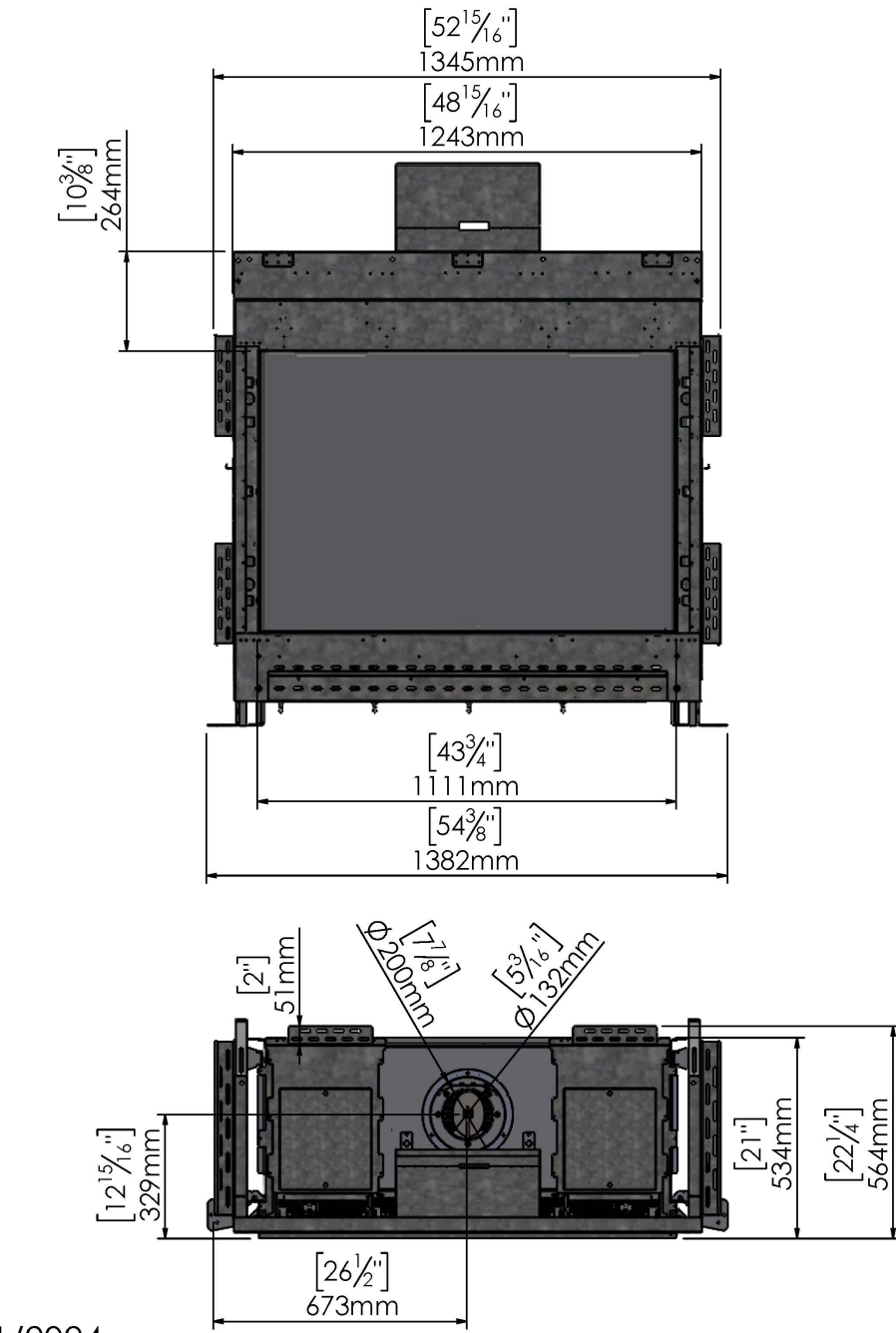


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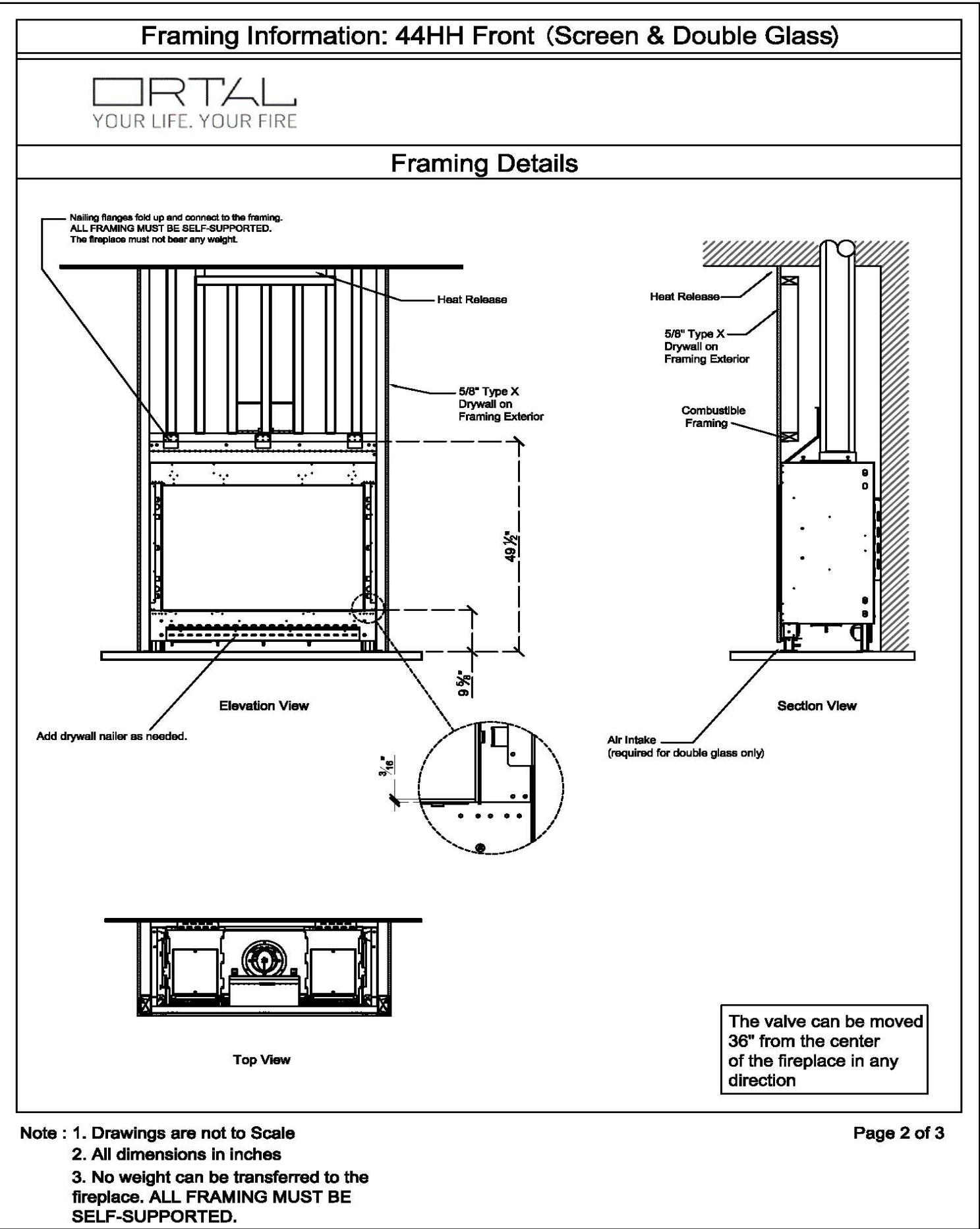
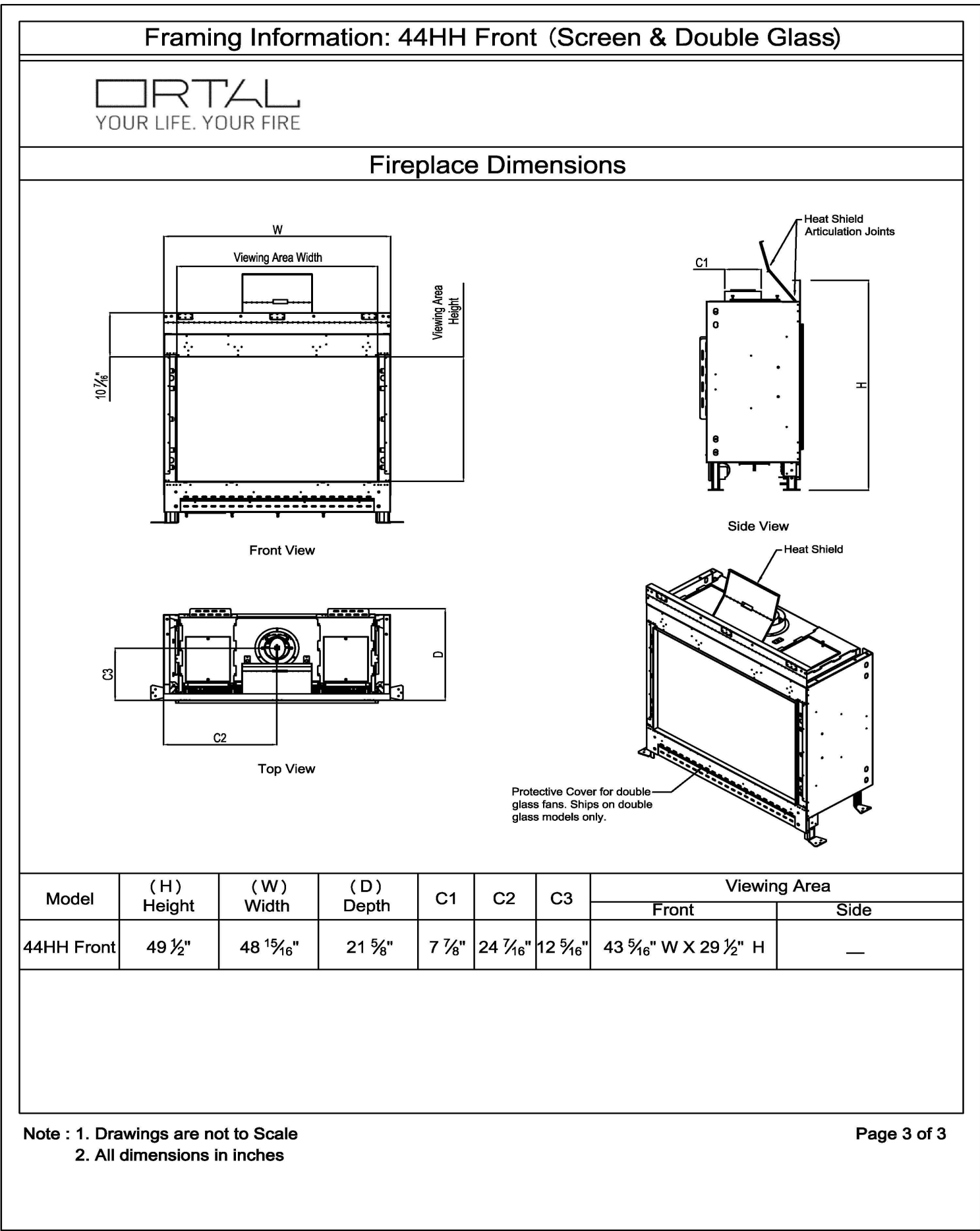
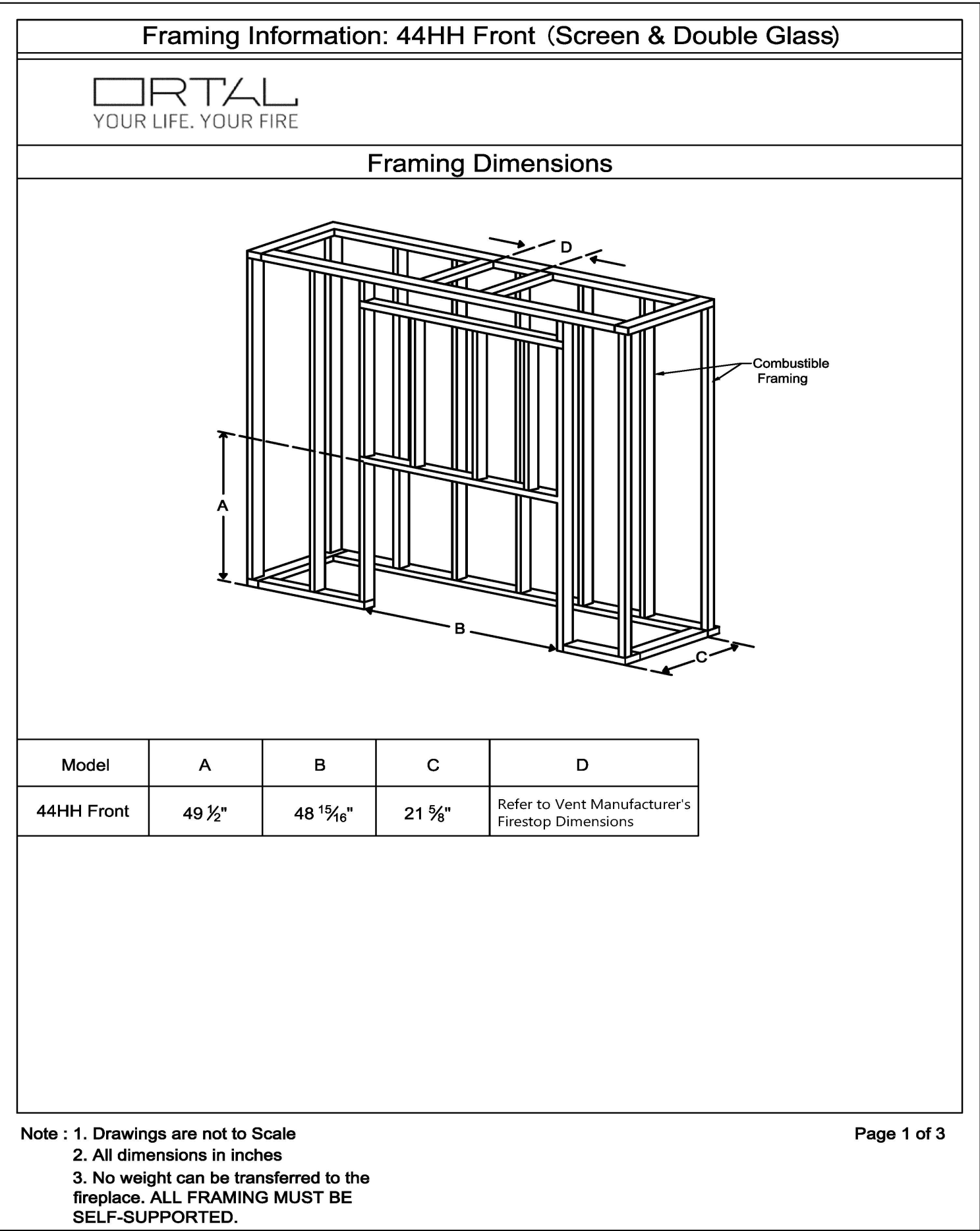
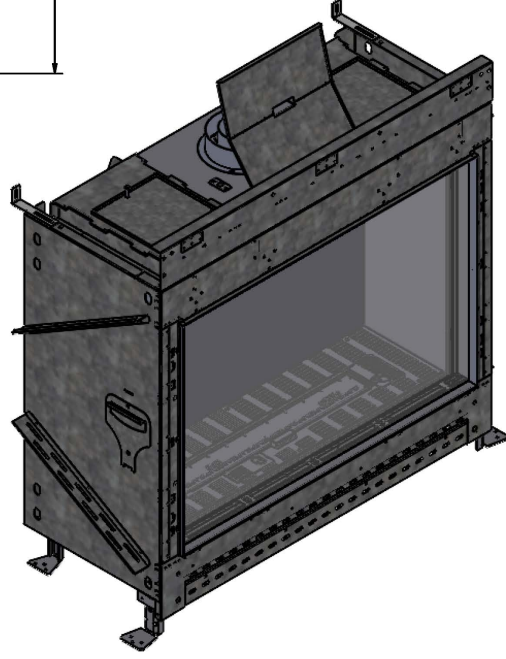
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F: (415) 752-6904

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Wilderness 44HH FR DG



9/11/2024



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