

160 - 164 WAVERLEY ST, PALO ALTO, CA 94301



REQUIRED AREA FOR CITY STAMPS

Mc-Z WAVERLEY LLC
361 LYTON AVE, SUITE 200
PALO ALTO, CA 94301

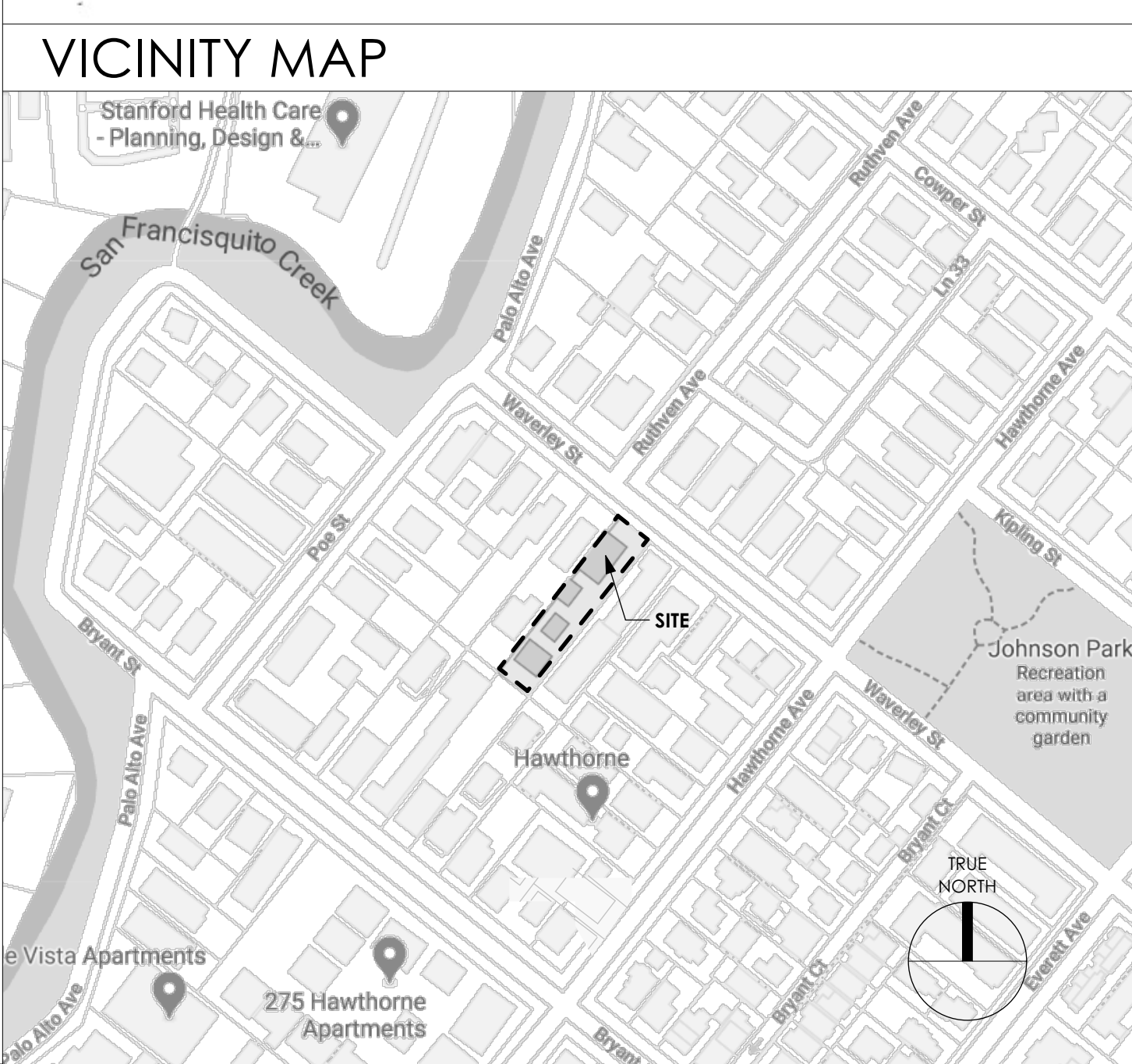
HEATHER YOUNG ARCHITECTS
81 ENCINA AVENUE, SUITE 100
PALO ALTO, CA 94301
TEL: 650.459.3200
CONTACT: HEATHER YOUNG
EMAIL: HEATHER@HYARCHS.COM

LEA & BRAZE
2495 INDUSTRIAL PARKWAY WEST
HAYWARD, CA 94545
TEL: 510.887.4086
CONTACT: JOHN HALBOM
EMAIL: JHALBOM@LEABRAZE.COM

ROMIG ENGINEERS
1390 EL CAMINO REAL, 2ND FLOOR
SAN CARLOS, CA 94070
TEL: 650.591.5224
CONTACT: JONATHAN FONE
EMAIL: JONATHAN@ROMIGENGINEERS.COM

MARA YOUNG
836 18TH AVENUE
MENLO PARK, CA 94025
TEL: 650.327.2644
CONTACT: MARA YOUNG
EMAIL: MARAYOUNG@GMAIL.COM

LATHEM HOME RATING
765 N. RENGSTORFF AVENUE
MOUNTAIN VIEW, CA 94043
TEL: 650.450.1827
CONTACT: KATE LATHEM
EMAIL: KATE_LATHEM@SBCGLOBAL.NET



REMOVAL OF THREE STRUCTURES AND A 3-CAR CARPORT. CONSTRUCTION OF TWO NEW STRUCTURES CONTAINING THREE APARTMENT FLATS. EACH FLAT IS 3 BEDROOM, 3 -1/2 BATH AND HAS TWO COVERED PARKING SPACES. BUILDING 1 HAS AT GRADE PARKING FOR ALL FLATS WITH A SECOND FLOOR APARTMENT ABOVE, A GROUND FLOOR HOME OFFICE AND A ROOF TERRACE. BUILDING 2 HAS A GROUND FLOOR FLAT WITH A FRONT AND REAR YARD AND A SECOND FLOOR FLAT WITH A ROOF TERRACE. A DETACHED ADU (ACCESSORY DWELLING UNIT) IS INCLUDED AT THE REAR OF THE PROPERTY.

APN	020-12-011
ZONING	RM-20 (MULTI FAMILY DISTRICT)
BUILDINGS	TWO
UNITS	THREE UNITS + 1 ADU
PARKING	6 COVERED SPACES
FLOOD ZONE	X
HISTORICAL CATEGORY	NONE
FLOOR AREAS	SEE SHEET A-10

A-1	TITLE SHEET	A-18	BLDG 2 - SECOND FLOOR PLAN
A-2	GREEN BUILDING CHECKLIST	A-19	BLDG 2 - ROOF PLAN
A-3	GREEN BUILDING CHECKLIST - ADU	A-20	ADU - FLOOR PLANS
A-4	ENVIRONMENTAL ASSESSMENT WORKSHEET	A-21	BLDG 1 - ELEVATIONS
A-5	TREE PROTECTION	A-22	BLDG 1 - ELEVATIONS
A-6	ARBORIST REPORT	A-23	BLDG 2 - ELEVATIONS
A-7	ARBORIST REPORT	A-24	BLDG 2 - ELEVATIONS
A-8	NEIGHBORHOOD CONTEXT	A-25	ADU - ELEVATIONS
A-9	OVERALL SITE SECTIONS	A-26	COLOR ELEVATIONS
P-1	PRIVACY SECTIONS - BLDG 1	A-27	COLOR ELEVATIONS
P-2	PRIVACY SECTIONS - BLDG 2	A-28	BLDG 1 - BUILDING SECTIONS
A-10	FLOOR AREA CALCULATIONS	A-29	BLDG 2 - BUILDING SECTIONS
A-11	OPEN SPACE	A-30	ADU - BUILDING SECTIONS
SU1	CIVIL SURVEY	A-31	WALL SECTION AND SCHEMATIC DETAILS
C-2.0	PRELIMINARY GRADING AND DRAINAGE	A-32	3D IMAGES
C-3.0	PRELIMINARY UTILITY PLAN	A-33	SITE PHOTOMETRICS
EX-1	TURNING TEMPLATE	A-34	SITE PHOTOMETRICS
A-12	DEMOLITION PLAN	A-35	LIGHT FIXTURES
A-13	PROPOSED SITE PLAN	A-36	LIGHT FIXTURES
A-14	BLDG 1 - GROUND FLOOR PLAN	L-1	LANDSCAPE PLAN
A-15	BLDG 1 - SECOND FLOOR PLAN	L-1.1	LANDSCAPE PLAN - ROOF
A-16	BLDG 1 - ROOF PLAN	L-2	PLANT IMAGES
A-17	BLDG 2 - GROUND FLOOR PLAN		

MINIMUM SITE SPECIFICATIONS ¹		RM-20 REQUIRED	
SITE AREA (SF)		8,500	
SITE WIDTH (FT)		70	
SITE DEPTH (FT)		100	
		PROPOSED	COMMENTS
SUBSTANDARD LOT SPECIFICATIONS¹			
SITE AREA (SF)	LESS THAN 8,500 SF	12,900	SUBSTANDARD WIDTH
SITE WIDTH (FT)	AND/OR LESS THAN 70 FT IN WIDTH	50	
MINIMUM SETBACKS - MULTI FAMILY BUILDINGS¹			
FRONT YARD (FT)	20	20	CONFORMS
INTERIOR SIDE YARD (FT)	6	6-1 1/2'	CONFORMS
INTERIOR REAR YARD (FT)	10	34-8'	CONFORMS
MINIMUM SETBACKS - DETACHED ADU²			
INTERIOR SIDE YARD (FT)	4	4	CONFORMS
INTERIOR REAR YARD (FT)	4	4	CONFORMS
MAXIMUM HEIGHT (SF) - MULTI FAMILY BUILDINGS¹	30	SEE ELEVATIONS	CONFORMS
DATIGHT PLANES - MULTI FAMILY BUILDINGS¹			
INITIAL HEIGHT (FT)	10	10	CONFORMS
ANGLE (DEGREES)	45	45	CONFORMS
MAXIMUM FLOOR AREA RATIO (FAR) (SF)¹ *⁴			
MULTI FAMILY BUILDINGS BASE	0.5:1	4,250	6,542
ADU			748
MAXIMUM LOT COVERAGE (SF)¹ *⁴			
MULTI FAMILY BUILDINGS BASE	35%	4,372	4,638
ADDITIONAL AREA PERMITTED TO BE COVERED BY COVERED PATIOS OR COVERINGS OTHERWISE IN COMPLIANCE WITH ALL APPLICABLE LAWS.	5%	625	586
ADU			748
MAXIMUM RESIDENTIAL DENSITY (UNITS)¹			
MAXIMUM NUMBER OF UNITS PER ACRE	20	5.74 UNITS	4
MINIMUM NUMBER OF UNITS PER ACRE	11	3.16 UNITS	4
MINIMUM SITE OPEN SPACE (SF)¹ *⁴			
MINIMUM COMMON OPEN SPACE (SF PER UNIT) ¹ * ⁴	35%	4,372	5,500
MINIMUM COMMON OPEN SPACE (SF PER UNIT) ¹ * ⁴	150	600	3,962
MINIMUM COMMON OPEN SPACE (SF PER UNIT) ¹ * ⁴	75	300	542
MINIMUM PRIVATE OPEN SPACE (SF PER UNIT) ¹ * ⁴	75	300	3,260
LANDSCAPE REQUIREMENTS⁷			
LANDSCAPING	18-40.130 (c)(3)(b)(i)	COMPLIANT	CONFORMS
PARKING⁸ *			
VEHICLE	2 PER UNIT = 4	4	CONFORMS
BICYCLE	3.17 * 1 SF = 4	3.17 * 1 = 4	CONFORMS
NOISE DEDUCTION ⁹	< 110 dBA	< 110 dBA	CONFORMS

- 1) SPIRAL STAIR FROM ROOF TERRACE TO SECOND FLOOR SHALL HAVE A 36" CLEAR TREAD WIDTH TO FACILITATE EMERGENCY EGRESS FROM ROOFTOP.
- 2) BUILDINGS SHALL HAVE FULL COVERAGE SPRINKLERS INCLUDING BATHROOMS, CLOSETS, UNDER BALCONIES AND EXTERIOR STAIRS.
- 3) NEW FIRE HYDRANT TO BE PROVIDED ON THE CORNER OF WAVERLEY AND RUTHVEN. SEE SITE PLAN ON SHEET A-13 FOR LOCATION.
- 4) ELEVATOR REQUIRED TO HAVE ENOUGH WEIGHT CAPACITY TO CARRY 3 PEOPLE.

160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

[illegible]

A-1



ENVIRONMENTAL ASSESSMENT WORKSHEET

City of Palo Alto
Department of Planning & Development Services

GENERAL INFORMATION: Date Filed

1. Address of Project: 160-164 WAVERLEY STREET
2. Assessor's Parcel Number: 120-12-011 Book #: Page #:
3. Application Number(s):
4. Applicant:
Name HEATHER YOUNG ARCHITECTS Telephone 650.459.3200
Address 81 ENCINA AVENUE Fax #
PALO ALTO, CA 94301 E-mail KARLEE@HYARCHS.COM
5. Owner:
Name Mc-Z WAVERLEY LLC, ZACH TRAILER Telephone 650.906.8008
Address 361 LYTTON AVENUE Fax #
PALO ALTO, CA 94301 E-mail ZTRAILER@ZACHTRAILER.COM
6. Current Zoning: RM-20 Comprehensive Plan Designation
7. Application for:
Site and Design Parcel Map ARB Review X
Use Permit Zone Change EIA, EIR

30. Expected amount of water usage (except for residential developments of fewer than 4 units not located in the foothills)
Domestic 200 gal/day Peak use 200 gal/day
Commercial NONE gal/day Peak use N/A gal/day
31. Daily sewer discharge (over 30 fixtures only) N/A
32. Expected energy use:
Gas NONE therms Electric 10000 KWH Peak electric demand 20 kW
Uses and equipment sizes
A. Space heating:
Gas NONE BTUH Solar 8 kW
Electric Yes KW 10 Heat pump Yes Tons 6
Other
B. Air conditioning:
Number of units 4 Total tonnage 8
C. Water heating:
Gas NONE BTUH Solar 8 kW
Electric Yes KW 20 Heat Pump Yes Tons 1
Other
Type: Central system Individual system
Recirculating Loop? Yes yes No
D. Other:
Indoor lighting Yes KW 3 Outdoor lighting Yes KW 1
Cooking Yes KW 30 Refrigeration Yes Tons or ft 12 ft.
Motors HP x-ray Computer

EXISTING SITE:

8. State all known or suspected prior uses, operations, or other activities on the site over the past 20 years
THREE DETACHED SINGLE FAMLY RESIDENCES
9. Size of site: Gross 12,500 Net
10. Site is owned X Rented by applicant. BY OWNER
11. Existing use of property: RESIDENTIAL
*Attach photographs of project site, also include an aerial photo of the project site.
12. Number of existing structures 4 Current Use RESIDENTIAL
13. Size of existing structures UNKNOWN Condition UNKNOWN
14. Will any structure be demolished for this project Yes X No
15. Total square footage to be demolished UNKNOWN
16. Total number of building occupants for existing use UNKNOWN
17. Number of parking spaces 4 % compact spaces 0 # Bicycle spaces 0
18. If current use is residential:
Number of owner-occupied units 0
Number of renter-occupied units 3

PROPOSED PROJECT:

19. Project description
REMOVAL OF ALL STRUCTURES ON SITE. 2 NEW 2-STORY
STRUCTURES CONTAINING 3 RESIDENTIAL FLATS, EACH WITH 3 BERDOOM
AND 3-1/2 BATH. AT GRADE GARAGE PARKING FOR 6 VEHICLES.
A DETACHED ADU (ACCESSORY DWELLING UNT) IS INCLUDED AT THE REAR OF THE PROPERTY.

33. Air pollution emissions (Check applicable BAAQMD regulations).
Commercial / Industrial only: Source N/A
Type Amount
34. Noise generation: eg. Generators, chitlers, HVAC, drive through speakers, etc.
Source CONDENSING UNITS Amount (dBa) 48
Please list outside noise sources that may affect the project: eg. Traffic, train etc.
Sound proofing/mitigation proposed NONE
UNITS WILL COMPLY WITH STANDARDS, NOT LOCATED IN SETBACKS
35. Site drainage provisions SEE GRADING AND DRAINAGE PLAN
36. Amount of proposed grading (cubic yards) 90 Cut 130 Fill 40
37. Disposition of excavated material
38. Permits required from other agencies:
Santa Clara Valley Water District N/A
Bay Area Air Quality Management District N/A
Army Corps of Engineers N/A
Other

Environmental Setting:

39. Percent and direction of ground slope at site 0.6% TOWARDS STREET
40. Is this site within a special flood hazard area? Yes No X

20. Future tenant if known UNKNOWN RESIDENTIAL TENANTS
21. Number of structures proposed 2 + 1 ADU Size (in square feet) 6,542 + 748 (ADU)
22. Number of floors and building height 2 FLOORS, VARIES FAR 0.52
23. Percentage of site to be covered (including bricks and pavers) 4,638 (Lot Cov) + 2,100 (paving) = 53%
24. Estimated number of employees per shift N/A
25. If the proposed project is residential:
Total number of units 3 + 1 ADU Number of units per acre 4
Expected sales price or monthly rent per dwelling unit ~ \$ 7,500/month
List kinds and size of community buildings NONE
Area of private open space 3,260 SF Area of common open space 562 SF
Provision of low/moderate income units:
1) Number of units provided for: Sale NONE Rent NONE
2) Sale and / or rental price N/A
26. Total number of vehicles expected daily for proposed project 6
27. Number of proposed parking spaces 6 Percentage compact spaces 0%
Number of bicycle spaces 3 LONG TERM + 1 GUEST
28. Are there any toxic wastes to be discharged? Yes No X
(If yes, please complete a Sewer Discharge Questionnaire, which is furnished by the Building Department)
29. Has the facility in the past or will the operation of the proposed facility involve the storage or use of Hazardous materials? Yes No X
(If yes, please complete a Hazardous Materials Disclosure checklist, which is furnished by the Fire Department)

41. Existing site vegetation (please list, and indicate any to be removed)
*Also include a tree disclosure statement. The size and location of all public, protected private, and heritage trees must be shown. (This form can be obtained at the Development Center or by calling (650) 617-314).
SMALL FRUIT TREES
SEE SITE PLAN AND ARBORIST REPORT
42. Existing animal and bird life on site NONE KNOWN
43. Detailed description of conditions and uses of adjacent properties
SINGLE FAMILY AND MULTI-FAMILY
Prepared by HYA ARCHITECTS Date 03/18/2022

Note: More information may be required before the application for which this assessment has been prepared can be processed. Please call the Department of Planning & Development Services at (650) 329-2442 if you have any questions.

PLEASE RETURN COMPLETED WORKSHEET TO THE DEPARTMENT OF PLANNING & DEVELOPMENT SERVICES, DEVELOPMENT CENTER, 285 HAMILTON AVENUE, 1ST FLOOR.

hya

HEATHER YOUNG ARCHITECTS
81 Encina Avenue, Suite 100
Palo Alto, CA 94301
650-459-3200 / hyarchs.com

WAVERLEY
RESIDENCES

160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

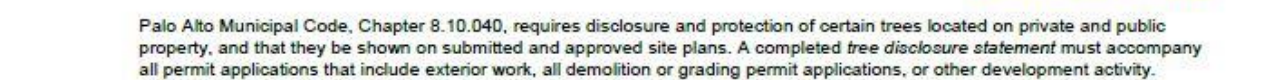
ISSUANCES		
REV	DATE	DESCRIPTION
	14 DEC 2020	ARB SUBMITTAL
	12 MAR 2021	ARB RESUBMITTAL
	06 MAY 2021	ARB RESUBMITTAL
	09 AUG 2021	ARB RESUBMITTAL
	10 OCT 2021	ARB RESUBMITTAL
	18 MAR 2022	ARB RESUBMITTAL

ENVIRONMENTAL
ASSESSMENT
WORKSHEET

A-4

Make sure your crews and subs do the job right!

For detailed information on Palo Alto's regulated trees and protection during development, review the **City Tree Technical Manual** (TTM) found at www.cityofpaloalto.org/trees/



PROPERTY ADDRESS: 162 Waverley Street, Palo Alto, CA 94301

Are there Regulated¹ trees on or adjacent to the property? **XX** YES NO (If no, proceed to Section 4)

Are there Regulated ¹ trees on or adjacent to the property? **XXYES** NO (if no, proceed to Section 4)

[Sections 1-4 MUST be completed by the applicant. Please circle and/or check where applicable.]

1. Where are the trees? Check those that apply. (Plans must be submitted showing all trees over 4" diameter)

☐ On the property

☐ On adjacent property overhanging the project site

☒ In the City planter strip or right-of-way easement within 30' of property line (Street Trees)*

*Street trees require special protection by a fenced enclosure, per the attached instructions. Prior to receiving any permit, you must provide an authorized Street Tree Protection Verification form. Contact Public Works Operations at (650) 496-5953 for inspection of type I, II or III fencing (see attached Detail #605) required for all street trees.

2. Are there any Protected¹ or Designated¹ Trees? YES (Check where applicable) NOXXX

☐ Protected Tree (s)

☐ Designated Tree (s)

☐ On or overhanging the property

3. Is there activity or grading within the dripline? (radius 10 times the trunk diameter) of these trees? Likely Yes

	YES	NO
<i>If Yes, a Tree Preservation Report must be prepared by an ISA certified arborist and submitted for staff review (see TTM, Section 6.25).</i> _____	<input type="checkbox"/>	<input type="checkbox"/>

4. Are the Site Plan Requirements** completed? YES NO No, Still Pending

**Plans: Protection of Regulated trees during development require the following: (1) Plans must show the measured trunk diameter and canopy drip-line; (2) Plans must denote, as a bold dashed line, a fenced enclosure area out to the drip-line, per Sheet T-1 and Detail #605 - <http://www.ci.vallejo.ca.us/development/forms.htm>. (See also TTM, Section 2.15 for area to be fenced)

I, the undersigned, agree to the conditions of this disclosure. I understand that knowingly or negligently providing false or misleading information in response to this disclosure requirement constitutes a violation of the Palo Alto Municipal Code Section 8.10.040, which can lead to criminal and/or civil legal action.

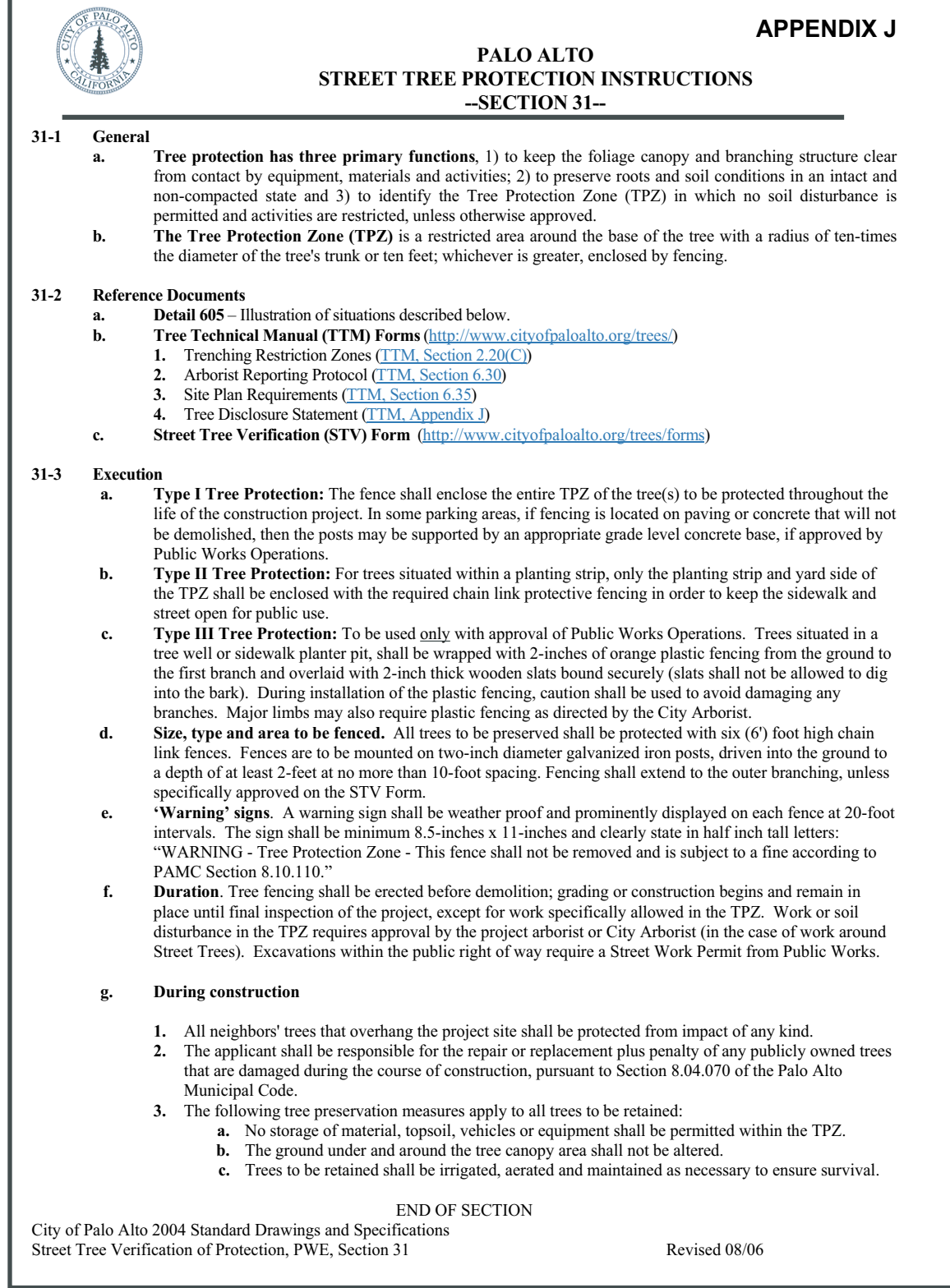
Signature: Raymond J. Morneau Print: Ray Morneau, Arborist WE-0132-A Date: 9/28/2020
(Prop. Owner or Agent)

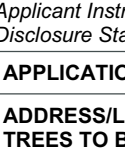
FOR STAFF USE:		
Protective Fencing Sections 5-0 must be completed by staff for the issuance of any development permit (demolition, grading or building permit).		
5. <u>Protected Trees</u> . The specified tree fencing is in place. A written statement is attached verifying that <u>protective fencing is correctly in place</u> around protected and/or designated trees. (N/A if there are no protected trees, check here <input type="checkbox"/>)	YES	NO
6. <u>Street Trees</u> . A signed Public Works Street Tree Protection Verification form is attached. (N/A if there are no street trees, check here <input type="checkbox"/>)	YES	NO

¹ Regulated Trees – a) Street trees – trees on public property; b) Protected trees – Coast Live Oaks or Valley Oaks which are 11.5" in diameter or larger, Coast Redwoods which are 18" in diameter or larger, when measured 54" above natural grade; and Harington trees are trees designated by City Council; and c) Designated Trees – commercial or non-residential property trees, which are part of an approved landscape plan.

S:\PLAN\PLADIV\Advance Planning\Arboris\Tree Program Information\Tree Disclosure Statement(TDS)\Tree Disclosure Statement\Final_3/07.doc Revised 03/04/07

September 28, 2020 Arborist's Inventory & Report (TPR): Zach: 162 Waverley St., PA. 94301 Page #17 of 17



	<p style="text-align: center;">City of Palo Alto Trees Department Public Works Operations PO Box 10250 Palo Alto, CA 94303 650/496-5953 FAX: 650/852-9289 treeprotection@cityofpaloalto.org </p>
<p><i>Applicant Instructions: Complete upper portion of this form. Mail or FAX this form along with signed Tree Disclosure Statement to Public Works Dept. Public Works Tree Staff will inspect and notify applicant.</i></p>	
APPLICATION DATE:	
ADDRESS/LOCATION OF STREET TREES TO BE PROTECTED:	
APPLICANT'S NAME:	
APPLICANT'S ADDRESS:	
APPLICANT'S TELEPHONE & FAX NUMBERS:	
<p><i>This section to be filled out by City Tree Staff</i></p>	
<p>1. The Street Trees at the above address(es) are adequately protected. The type of protection used is:</p>	<p>YES <input type="checkbox"/> NO <input type="checkbox"/></p> <p style="text-align: center;">* If NO, go to #2 below</p>
Inspected by:	
Date of Inspection:	
<p>2. The Street Trees at the above address are NOT adequately protected. The following modifications are required:</p> <p style="margin-top: 20px;">Indicate how the required modifications were communicated to the applicant.</p>	<div style="border: 1px solid black; height: 100px;"></div>
<p><u>Subsequent Inspection</u></p> <p>Street trees at above address were found to be adequately protected:</p>	
Inspected by:	
Date of Inspection:	
<p>YES <input type="checkbox"/> NO <input type="checkbox"/></p> <p style="text-align: center;">* If NO, indicate in "Notes" below the disposition of case.</p>	
<p>Notes: List City street trees by species, site, condition and type of tree protection installed. Also note if pictures were taken. Use back of sheet if necessary.</p>	
<p>Return approved sheet to Applicant for demolition or building permit issuance.</p>	

S:\P\WD\OPS\Tree\DS\1\TreeProtect

5/17/06

Tree Protection Zone

This fencing shall not be removed without City Arborist approval (650-496-5953)

Removal without permission is subject to a \$500 fine per day*

****Palo Alto Municipal Code Section 8.10.110***

City of Palo Alto Tree Protection Instructions are located at <http://www.city.palo-alto.ca.us/trees/technical-manual.html>

SPECIAL INSPECTIONS	PLANNING DEPARTMENT
TREE PROTECTION INSPECTIONS MANDATORY	
<p>PAMC 8.10 PROTECTED TREES. CONTRACTOR SHALL ENSURE PROJECT SITE ARBORIST IS PERFORMING REQUIRED TREE INSPECTION AND SITE MONITORING. PROVIDE WRITTEN MONTHLY TREE ACTIVITY REPORTS TO THE PLANNING DEPARTMENT LANDSCAPE REVIEW STAFF BEGINNING 14 DAYS AFTER BUILDING PERMIT ISSUANCE.</p> <p>BUILDING PERMIT DATE: _____</p> <p>DATE OF 1ST TREE ACTIVITY REPORT: _____</p> <p>CITY STAFF: _____</p> <p>REPORTING DETAILS OF THE MONTHLY TREE ACTIVITY REPORT SHALL CONFORM TO SHEET T-1 FORMAT. VERIFY THAT ALL TREE PROTECTION MEASURES ARE IMPLEMENTED AND WILL INCLUDE ALL CONTRACTOR ACTIVITY, SCHEDULED OR UNSCHEDULED, WITHIN A TREE PROTECTION ROOT ZONE. NON-COMPLIANCE IS SUBJECT TO VIOLATION OF PAMC 8.10.080. REFERENCE: PALO ALTO TREE TECHNICAL MANUAL, SECTION 2.00 AND ADDENDUM 11.</p>	

Apply Tree Protection Report on sheet(s) T-2

Use additional “T” sheets as needed

160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

[illegible]

A-5

Certified Arborist's Pre-Construction Tree Inventory & Tree Protection Report

Data Date: September 24-25, 2020

Report Date: September 28, 2020

Prepared for:
Zachary Trailer

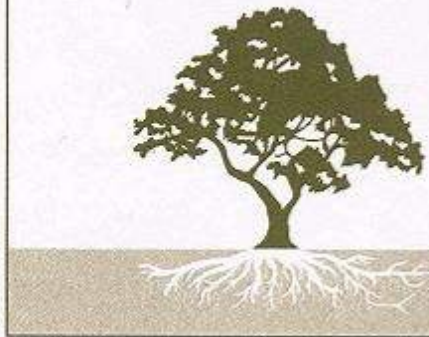
APN:
120-120-11
(web searched, must verify)

Site:
Residential Project
162 Waverley Street
Palo Alto, CA 94301

Prepared by:
Ray Morneau
ISA Certified Arborist #WE-0132A
PNWISA Certified Tree Risk Assessor #1188

Outline

- 1.0 Assignment & Introduction
- 2.0 Executive Summary – with Extracted Tables, & Tree Map
- 3.0 Inventory Tree Data & Appraisal Calculations with Legends
- 4.0 Tree Preservation Guidelines: General
- 5.0 Tree Preservation Guidelines: Basic
- 6.0 Tree Preservation Guidelines: Site-Specific TP Measures
- 7.0 Certification & Use Statement
- 8.0 Arborist's Certification Letter
- 9.0 Tree Disclosure Statement



Ray Morneau, Arborist

ISA Certif. #WE-0132A 650.964.7664

3.0a Tree Inventory Data

Tree Inventory Data: 160, 162, 164 Waverley Street, PA

Data date: September 24, 2020												
Tree #	Botanical Name / Name, Common	dbh	Crown Radius	Height	% Vigor	% Structure	% Overall	Species Aptitude	Age / Longevity	Additional Comments	Protected >11.5" or >= 18" or Street Tree	
1	Liquidambar styraciflua / Sweetgum	26.4"	25'	38'	65%	85%	75% Good	Mod.	Mature	Street tree in front planting strip between sidewalk and curb. Water meters in ground at 8' (+ a sewer cleanout); 11' to existing driveway apron; Moderate foliage branch endweights and some decline.	ST	
2	Elaeagnus species / Silverthorn	12.2" @ 1'	16'	20'	60%	10%	25% V. Pr.	Low	Over-mature	Between side fence and existing asphalt driveway apr. Severely multi-stemmed throughout; side-pruned for clearance. THORNS!!	No	
3	Pseudotsuga menziesii / Douglas-fir	13.9"	12'	22'	55%	10%	25% V. Pr.	Low	Over-mature	Between side fence and existing asphalt driveway apr. Multi-stemmed at 10'; side-pruned for clearance. Not sufficient room here for such a huge tree to mature!!	No	
4	Citrus limon / Lemon	6.6" @ 0'	5'	12'	40%	40%	40% Poor	Mod.	Over-mature	Declining screen tree alongside driveway apr; severely pruned; misshapen; 3-trunked from ground level; copious twiggy deadwood.	No	
5	Ficus carica / Fig Common	9.8" @ 0'	9'	10'	60%	40%	50% Poor	High	Semi-mature	In backyard of #160; against west side fence; vigorous; with surface roots; multi-stemmed from ground level (2", 3", 5" diameters).	No	
6	Persea americana / Avocado	8.8" @ 4'	18'	28'	80%	75%	77% Good	Low	Mature	In back/side lawn of #164.	No	
7	Citrus sinensis / Orange	4.9" @ 1'	6'	12'	85%	70%	77% Good	Mod.	Semi-mature	At back of house; 1' to foundation (#162). Multi-stemmed at 2' above ground.	No	
8	Celtis sinensis / Hackberry, Oriental	21.2"	23'	42'	70%	70%	70% Good	Mod.	Mature	Neighbor's street tree in municipal planting strip between curb & sidewalk; 23' w/est of property line. Minor deadwood to 4" diameter. Foliage tips hang down to 5' over neighbor's lawn.	ST	
9	Liquidambar styraciflua / Sweetgum	18.9"	10'	38'	60%	50%	55% Fair	Mod.	Mature	Neighbor's street tree in municipal planting strip between curb & sidewalk; 22' east of property line. Severely pruned by City; declining.	No	
9		"Excellent" =		0								
		"Good" =		4								
		"Fair" =		1								
		"Poor" =		2								
		"Very Poor" =		3								
		"Dead" =		0								
		TOTAL =		9								

September 28, 2020 Arborist's Inventory & Report (TPR): Zach: 162 Waverley St., PA. 94301 Page #5 of 17.

Ray Morneau, Arborist

ISA Certif. #WE-0132A 650.964.7664

1.0 Assignment & Introduction

Assignment: I have been retained by Zachary Trailer to provide a pre-construction tree inventory and Arborist's Report for his project at 162 Waverley Street in Palo Alto.

Introduction: I am an ISA Certified Arborist with experience providing construction consultations, arborist's reports, and site monitoring in the City of Palo Alto. I have worked smoothly with this City's current Planning Division, as well as those from other jurisdictions.

I visited the site to measure and tag the trees (data date September 24-25, 2020). For a tree map for this report, I include a marked-up scan of a borrowed Google Maps image capture of the site, adding my tree numbers near their locations.

No Topo or Site Plan has been available yet, but can be incorporated by reference memo when the engineers and/or design professionals can provide such sheets to me.

The City of Palo Alto Planning Department continues to rely heavily on the 2016 edition (sixth printing!!) of their *Tree Technical Manual – Standards and Specifications* (TTM) digitally available with all current appendices at: <https://www.cityofpaloalto.org/civicaax/filebank/documents/51800>

2.0 Executive Summary – with Extracted Tables, & Tree Map

I inspected the nine (9) trees associated with this site and present their data in my spreadsheets below.

This project will remove the three existing houses and carport to replace them with new housing. This may require removing all but the three municipal street trees (keeping #1, #8, and #9).

Care must be taken to retain as much of those three trees' root zones, trunk/branch structure, and foliage canopies by using tree-friendly techniques to avoid tree damage.

Similar requirements would be prompted for any of the other six trees here which the owners/designers/planners decide to also preserve. Layout of foundations, surface grading, and routing of utilities commonly raise conflict issues.

Care will be required for root zones over the entire lot since, as charted below, the Tree Technical Manual defines the "Tree Protection Zones (TPZs) as covering most of this property.

The project Landscape Architect can provide a thoughtfully, well-designed landscape plan.

Summary Charts

September 28, 2020 Arborist's Inventory & Report (TPR): Zach: 162 Waverley St., PA. 94301 Page #2 of 17.

Ray Morneau, Arborist

ISA Certif. #WE-0132A 650.964.7664

3.0b Tree Inventory Legend: Headers

Observations were made and data gathered during my on-site inspection (Sept. 24-25, 2020). Further conclusions and protection measures were refined from office research, seminar information, and past experience based on those observations and data.

Unless otherwise defined as a limited inventory, all site trees larger than a minimum diameter (usually >4-inch) were numbered and inspected. The gathered data was entered into a Microsoft® Excel database.

The data is encapsulated into the accompanying "Tree Inventory Data" section. The categories are typically self-descriptive with only the following notes.

Tree Number: I sequentially assigned tree numbers from 1 to 9. A 1"x3" aluminum tag is stapled to each tree at about eye level. I add a prefix "20" to identify each as linked with this inventory, thus differentiating it from any other numbering system.

Names: We employ the initial common names from McMinn, if listed, otherwise from Sunset. Scientific/botanical names are included to minimize confusion. As applicable, we used McMinn's key and/or Sunset's descriptions.

DBH: Diameter at Standard Height: This measurement is the trunk diameter measured at the standard height defined by the jurisdiction in which the tree trunk grows.

DBH = Diameter at Breast Height: the industry standard is 54 inches above ground level, taken with a standard surveyor's diameter tape, recorded in inches.

Multi-trunked tree's diameters are measured below the lowest branch swelling and/or individual stems at 54 inches, or an average, depending on which height measurement is deemed to produce the best representative figure.

Crown Radius: The averaged radii's measurement is shown in feet.

Canopy Cover: Estimated averaged radii of foliage canopy cover (crown's shadow at noon on the ground below).

Ht (Height): Estimated distance foliage crown extends above grade, recorded in feet.

Vigor: Rating for tree's growth and vitality as a blend of elements like leaf or bud size and color, twig growth (elongation), accumulation of deadwood, cavities, woundwood development, trunk expansion (growth "cracks"), etc.

Form: Structure rating for tree's architecture as a composite of factors like branch attachment, lean and balance, effects of prior breakage, crossing-tangled-twisted limbs, codominant trunks and/or branches, decay and cavities, anchorage (roots), etc.

September 28, 2020 Arborist's Inventory & Report (TPR): Zach: 162 Waverley St., PA. 94301 Page #6 of 17.

Ray Morneau, Arborist

ISA Certif. #WE-0132A 650.964.7664

Overall Condition Chart

Percentage Range	Text Description	Quantity
0%	DEAD	0
1% to 25%	Very Poor	2
26% to 49%	Poor	2
50 % to 70%	Fair	1
71% to 90%	Good	4
91% to 100%	Excellent	0
		9

Overall Tree Frequency Chart

City of Palo Alto Regulated Trees = 3						Not Regulated	Total All Trees
	a. Street	b1. Protected >11.5"	b2. Protected >18"	c. Designated			
Total	3	0	0	0		6	9
On Parcel	1	0	0	0		6	7
Overhang	2	0	0	0		0	9

Tree Summary Chart						162 Waverley, Palo Alto	9/28/2020
#	Name, Common	Diam.	Condition	Comments	Protected?		
1	Sweetgum	26.4"	75% Good	Muni street tree in front planting strip with utilities.	Yes - ST		
2	Silverthorn	12.2"	25% V. Pr.	Between existing driveway & fence; poor structure.	No		
3	Douglas-fir	13.9"	25% V. Pr.	Between existing driveway & fence; poor structure.	No		
4	Lemon	6.6"	40% Poor	Declining between existing driveway apr and fence.	No		
5	Fig	9.8"	50% Poor	In back against side fence of #160.	No		
6	Avocado	8.8"	77% Good	In back, side lawn of #164.	No		
7	Orange	4.9"	77% Good	Existing foundation at 1'.	No		
8	Hackberry	21.2"	70% Good	Municipal street tree within 30'; typ.; minor stresses.	Yes - ST		
9	Sweetgum	18.9"	55% Fair	Municipal street tree within 30'; typ.; minor stresses.	Yes - ST		

Sorted Alphabetically by Common Name		Sorted Alphabetically by Botanical Name	
Persea americana	1	Avocado	1
Pseudotsuga menziesii	1	Douglas-fir	1
Ficus carica	1	Fig	1
Celtis sinensis	1	Hackberry, Oriental	1
Citrus limon	1	Lemon	1
Citrus sinensis	1	Orange	1
Elaeagnus species	1	Silverthorn	1
Ficus carica	1	Fig	1
Liquidambar styraciflua	1	Sweetgum	2
Persea americana	1	Avocado	1
Pseudotsuga menziesii	1	Douglas-fir	1
	9		9

September 28, 2020 Arborist's Inventory & Report (TPR): Zach: 162 Waverley St., PA. 94301 Page #3 of 17.

Ray Morneau, Arborist

ISA Certif. #WE-0132A 650.964.7664

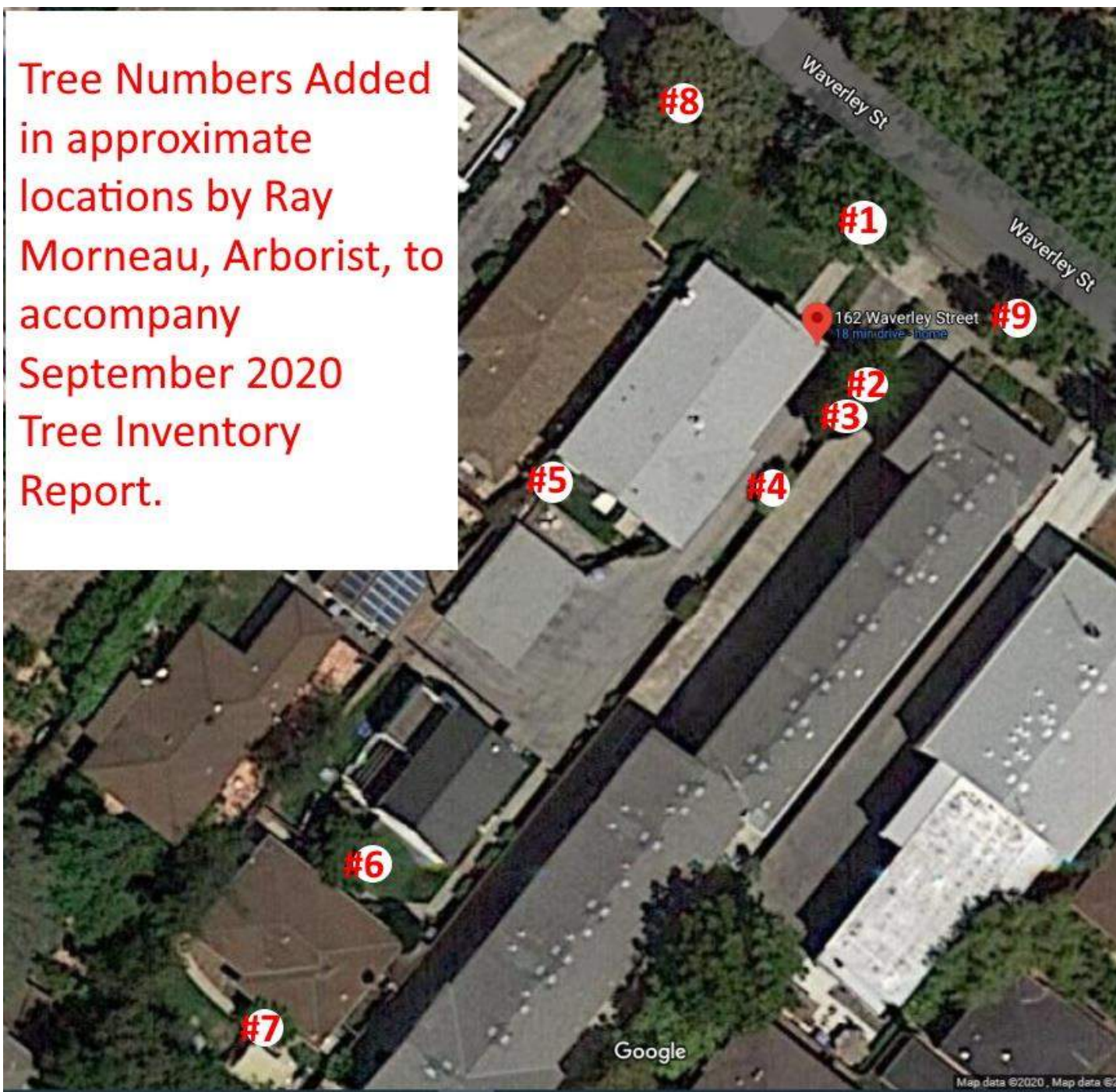
Overall Condition:	Percentage rating assessing the tree's overall vigor, recent growth, insects/diseases, and structural defects. Relative text rating included in the same cell as: Excellent, Good, Fair, Poor, Very Poor.
	This corresponds to the "Condition Percentage" factor in tree valuations per the Council of Tree and Landscape Appraisers (CTLA) system used by the International Society of Arboriculture. (CTLA, 1992.)
	It combines foliage, branches, limbs, trunk, and root ratings into a composite condition score. This rating is used in the calculation of these trees' appraised value required by the City of Palo Alto.
Species Aptitude:	Considers the species' tolerance to construction impacts and the tree's condition (vigor & structure), longevity/age, adaptability, and aesthetics
	This rating takes into account any announced intentions of changes in area/lot use. Degrees: High, Moderate, Low, Very Low.
	• High: Tree in great condition and any existing defects or stresses are minor or can be easily mitigated.
	• Moderate: Notable vigor and/or stability problems but which can be moderated with treatment &/or increased tree protection zone.
	• Low: Significant problems, including shorter life expectancy. Difficult to retain but potential with much larger tree protection zone.
	• Very Low: Substantial existing problems, defects, stresses. Unlikely to survive impact of any project.
Protected >11.5", or >18"; Designated:	Notation of tree's status as a "Regulated Tree" per the Palo Alto Tree Technical Manual (pp. xiii, xiv). Some Palo Alto trees are "Protected": oaks 11.5-inch diameter or greater ("11.5") and redwoods 18-inch diameter or greater ("18"). Others may be "Designated" ("D") for regulation by the City, including any tree that is part of a project on a modern discretionary development review site, likely only after these were developed.
	A third type of regulated tree would be "Street Trees" (ST) on many projects. (NB: as needed on non-Palo Alto sites, various "Heritage" or "Protected" or otherwise regulated trees can be defined to be recorded - and this column might be re-named appropriately.)
Age / Longevity:	Rates tree's relative age: Young (Long) / Semi-Mature / Mature / Over-Mature (Short).
Comments:	Notes; most obvious defects, insects, diseases or unique characteristics.

September 28, 2020 Arborist's Inventory & Report (TPR): Zach: 162 Waverley St., PA. 94301 Page #7 of 17.

Ray Morneau, Arborist

ISA Certif. #WE-0132A 650.964.7664

Tree Numbers Added in approximate locations by Ray Morneau, Arborist, to accompany September 2020 Tree Inventory Report.



September 28, 2020 Arborist's Inventory & Report (TPR): Zach: 162 Waverley St., PA. 94301 Page #4 of 17.

Ray Morneau, Arborist

ISA Certif. #WE-0132A 650.964.7664

3.0c Tree Appraisal Calculations – with Summary & Legend

CTLA Appraised Value Summary							
#	Name, Common	Diameter = dbh = trunk diameter at 4.5' above ground level	% On Bk. Species	Condition	Location %	Rounded-off Appraised Values	
1	Sweetgum	26.4"	50%	75%	71%	\$11,200	
2	Silverthorn	12.2"	50%	25%	43%	\$500	
3	D-fir	13.9"	50%	25%	43%	\$310	
4	Lemon	6.6"	50%	40%	43%	\$240	
5	Fig	9.8"	50%	50%	55%	\$820	
6	Avocado	8.8"	30%	77%	65%	\$440	
7	Orange	4.9"	80%	77%	52%	\$520	
8	Hackberry	21.2"	50%	70%	71%	\$4,010	
9	Sweetgum	18.9"	50%	55%	71%	\$4,230	
Grand Total =						\$22,270	

Appendix B: Appraised Value -- Data Sheet 1 of 1.

Appendix B: Appraised Value -- Data Sheet 1 of 1.															Waverley 160, 162, 164; Sep. 24, 2020					
1	2	Ln 2	Ln 3	Ln 4	Location	Ln 5	Ln 6	Ln 7	Ln 8	Ln 9	Ln 10	Ln 11	Ln 11.1	Ln 11.2	Line 12	Line 13	Line 14	Line 15		
"Green Book" Page	Condition	Diameter	Age	Location %	Contribution	Phenomenon	Ln 6a Group	Ln 6b Species	Ln 6c "Green Book"	"Green Book" Installation Cost	Installed Tree Cost	Ln 10a Tree Cost	Ln 10b ATAs	Ln 10c "SP ATAs"	Ln 10d "SP ATAs"	T _{tree}	Basic Tree Cost	Appraised Value	Rounded-off Appraised Value	
20	75%	26.4	71%	80%	66%	2	50%	2.24	\$172.73	\$172.73	\$345.46	\$77.04	\$47.11	\$47.11	1	\$44.87	\$43,322.24	\$11,215.39	\$11,200	
12	25%	12.2	43%	50%	30%	2	50%	2.24	\$172.73	\$172.73	\$345.46	\$77.04	\$16.84	\$16.84	1	\$14.60	\$14,600.00	\$3,650.00	\$3,650	
1	25%	13.9	43%	50%	30%	4	50%	4.75	\$172.73	\$172.73	\$345.46	\$36.36	\$161.67	\$161.67	1	\$146.92	\$146,920.00	\$37,080.00	\$37,100	
10	40%	6.6	43%	50%	30%	2	50%	2.24	\$172.73	\$172.73	\$345.46	\$77.04	\$4.19	\$4.19	1	\$19.95	\$19,950.00	\$5,243.26	\$5,240	
15	50%	9.8	50%	50%	50%	2	50%	2.24	\$172.73	\$172.73	\$345.46	\$77.04	\$5.38	\$5.38	1	\$73.15	\$73,980.00	\$19,822.38	\$19,820	
23	77%	8.8	65%	50%	70%	3	50%	3.36	\$172.73	\$172.73	\$345.46	\$45.46	\$67.9	\$67.9	1	\$68.33	\$68,330.00	\$17,523.25	\$17,520	
10	77%	4.9	52%	50%	70%	35%	2	80%	2.24	\$172.73	\$172.73	\$345.46	\$77.04	\$18.85	\$18.85	1	\$16.61	\$16,620.00	\$5,171.21	\$5,170
8	70%	21.2	71%	80%	66%	3	50%	3.8	\$172.73	\$172.73	\$345.46	\$45.46	\$52.81	\$52.81	1	\$49.01	\$16,121.45	\$4,009.63	\$4,010	
20	55%	18.9	71%	90%	66%	1	50%	2.24	\$172.73	\$172.73	\$345.46	\$77.04	\$280.41	\$280.41	1	\$278.17	\$21,775.68	\$4,231.74	\$4,230	
Grand Total =																	\$22,270			

September 28, 2020 Arborist's Inventory & Report (TPR): Zach: 162 Waverley St., PA. 94301 Page #8 of 17.

hya

HEATHER YOUNG ARCHITECTS

81 Encina Avenue, Suite 100
Palo Alto, CA 94301
650-459-3200 / hyarchs.com

WAVERLEY RESIDENCES

160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

ISSUANCES

REV	DATE	DESCRIPTION
	14 DEC 2020	ARB SUBMITTAL
	12 MAR 2021	ARB RESUBMITTAL
	06 MAY 2021	ARB RESUBMITTAL
	09 AUG 2021	ARB RESUBMITTAL
	10 OCT 2021	ARB RESUBMITTAL
	18 MAR 2022	ARB RESUBMITTAL

160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

[illegible]

A-9



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

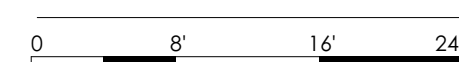
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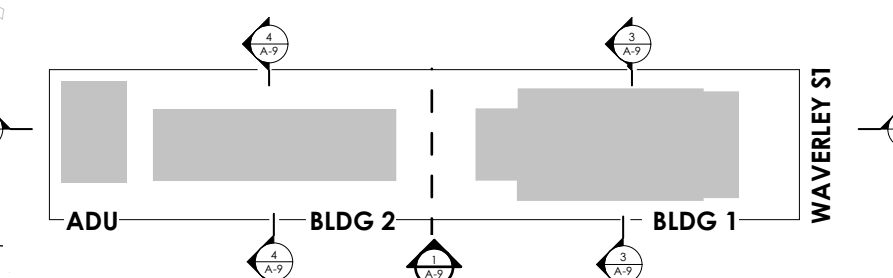
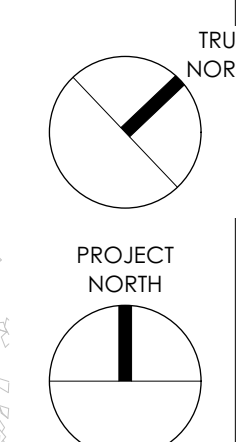
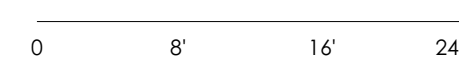
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SCALE: 3/32" = 1'-0"



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



KEY PLAN

160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

[illegible]

P-1



5



3



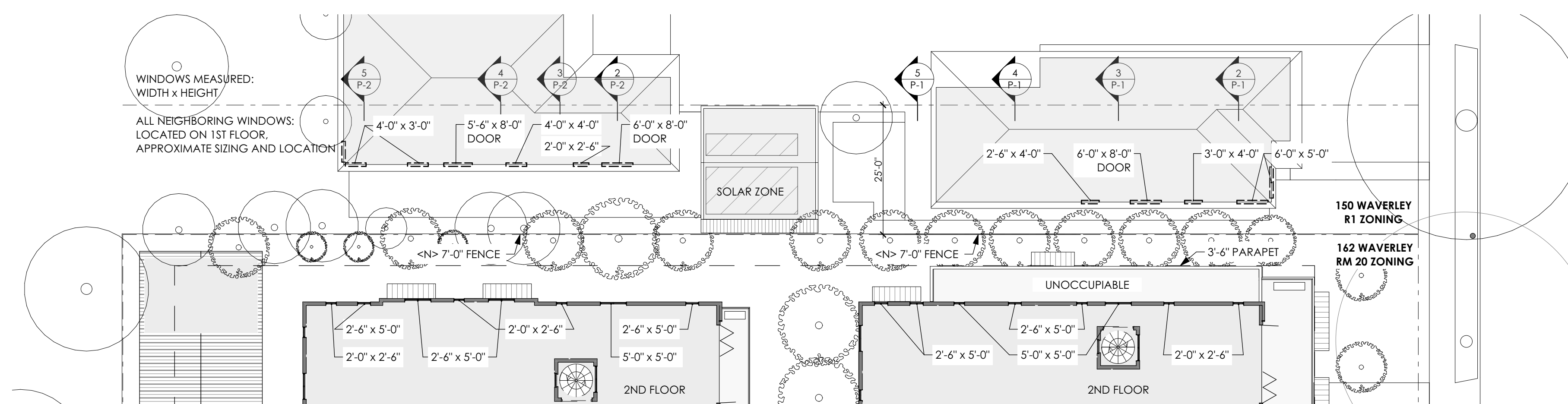
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SCALE: 3/16" = 1'-0"

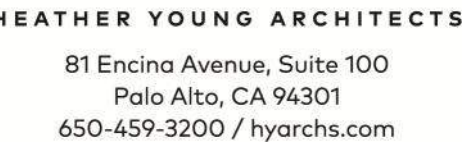
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PRIVACY DIAGRAM

SCALE: 1/16" = 1'-0"

1



160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

[illegible]

P-2



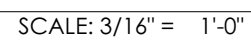
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3

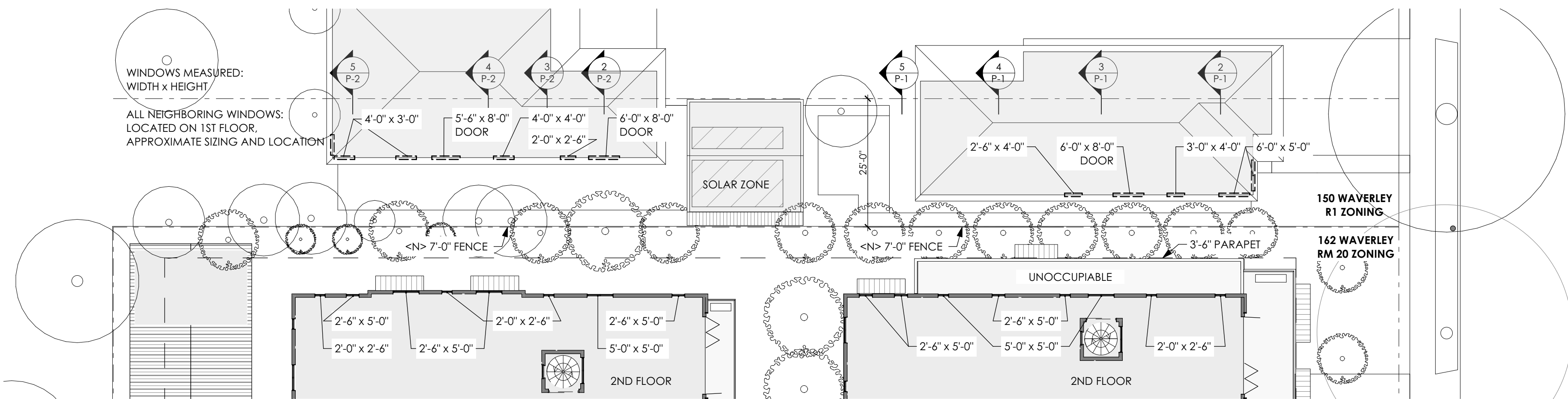


4



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

2



PRIVACY DIAGRAM

SCALE: 1/16" = 1'-0"

1

- 1) REFER TO ZONING COMPLIANCE TABLE ON SHEET A0.1 FOR OVERALL ZONING COMPLIANCE.
- 2) BASIS FOR FAR AREA CALCULATIONS:
BASED ON "GROSS FLOOR AREA" WHICH IS THE TOTAL AREA OF ALL FLOORS OF A BUILDING MEASURED TO THE OUTSIDE SURFACES OF EXTERIOR WALLS, INCLUDING:
 - HALLS
 - STAIRWAYS, ELEVATORS (EACH FLOOR)
 - SERVICE/MECHANICAL ROOMS
 - USABLE BASEMENTS OR ATTICS
 - OPEN COURTS ABOVE THE GROUND FLOOR USED FOR ACCESS

3) MULTIFAMILY FLOOR AREA EXCLUSIONS:

- ACCESSORY PARKING FACILITIES
- ROOFED ARCADES NOT SUBSTANTIALLY ENCLOSED BY WALLS

4) RM-20 ALLOWABLE SQUARE FOOTAGES
SITE AREA = 12,500 SQ FT
FAR = 0.5:1 = 6,250 SF*
LOT COVERAGE = 35% = 4,375 SF**
ADD'L COVERAGE = 5% = 625 SF
ADU FAR AND LOT COVERAGE =
800 SF MAX EXEMPT




*18.13.045 (UNDER SENATE BILL 478)
INCREASES ALLOWABLE FAR UP TO 1.0
ACTUAL MAX FAR ALLOWED: 12,500 SQ FT

****SB 478 STATES THAT THE LOT COVERAGE REQUIREMENT CANNOT PROCLUDE A HOUSING DEVELOPMENT FROM MAX 1.0 FAR
ACTUAL LOT COVERAGE ALLOWED:
NOT LIMITED TO 4,375 SQ FT**

160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

[illegible]

FLOOR AREA CALCULATIONS

 SITE COVERAGE
 ADDITIONAL SITE COVERAGE
 EXEMPT COVERAGE

A-10

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

3



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

2



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

1

MINIMUM OPEN SPACE REQUIREMENTS

- 1) SITE OPEN SPACE MINIMUM =
35% / 4,375 SQ FT
- 2) SITE USABLE OPEN SPACE MINIMUM
(INCLUDES COMMON + PRIVATE OPEN SPACE) =
150 SQ FT PER UNIT
- 3) COMMON OPEN SPACE MINIMUM =
75 SQ FT PER UNIT
- 4) PRIVATE OPEN SPACE MINIMUM =
50 SQ FT PER UNIT




SITE USABLE SPACE

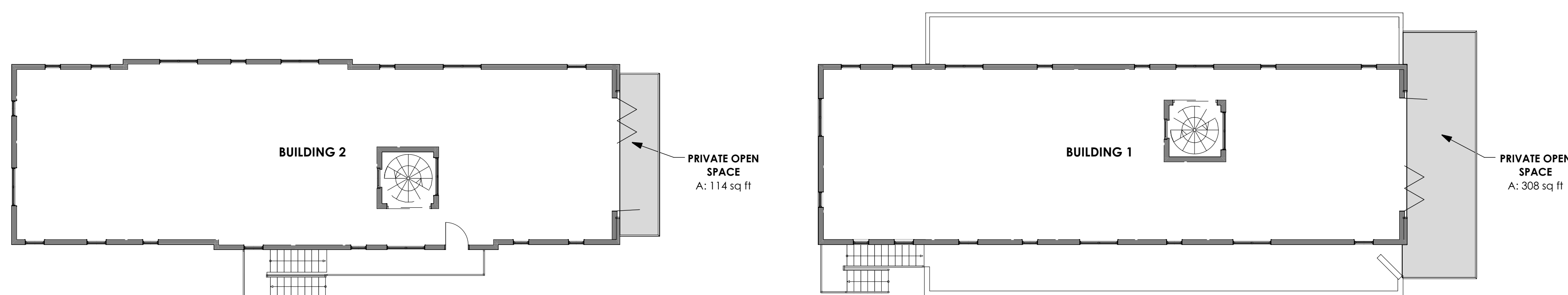
FLOOR	TYPE	AREA
GROUND FLOOR	COMMON OPEN SPACE	562
	PRIVATE OPEN SPACE	2,838
SECOND FLOOR	PRIVATE OPEN SPACE	422
	PROPOSED =	3,822 ft²
	REQUIRED =	450 sq ft

SITE OPEN SPACE		
FLOOR	TYPE	AREA
GROUND FLOOR	COMMON OPEN SPACE	562
	LANDSCAPE	1,678
	PRIVATE OPEN SPACE	2,838
SECOND FLOOR	PRIVATE OPEN SPACE	422
	PROPOSED =	5,500 ft²
REQUIRED = 35% / 4,375 sq ft		

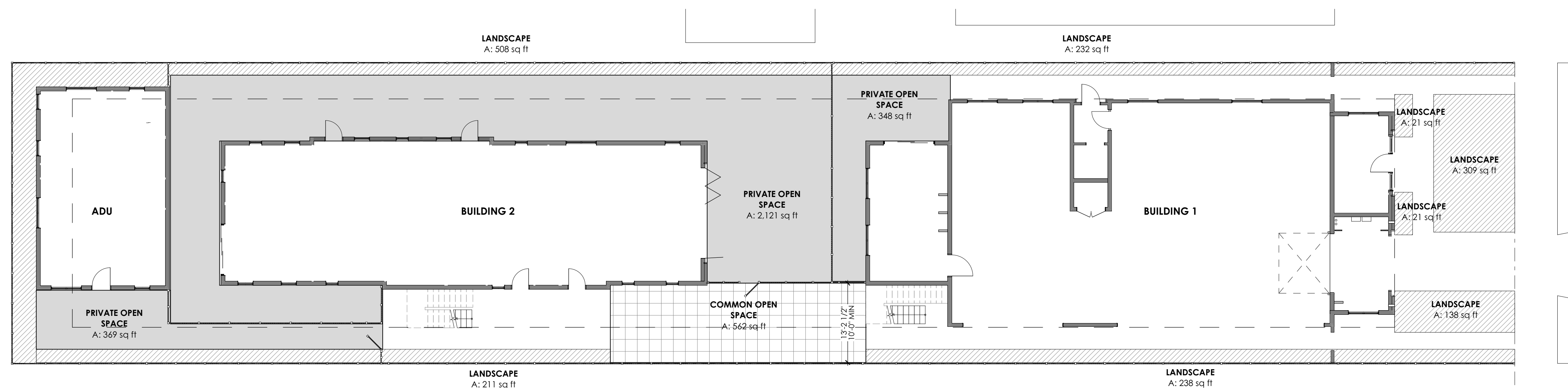
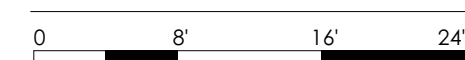
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OPEN SPACE

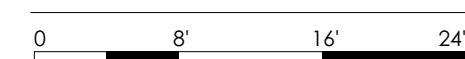
 LANDSCAPE
 PRIVATE OPEN SPACE
 COMMON OPEN SPACE

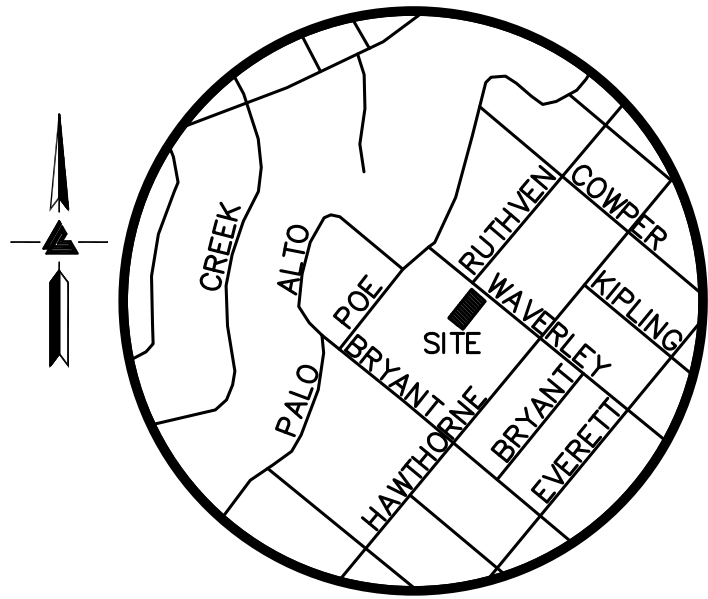


2



1





VICINITY MAP
NO SCALE

NOTES

ALL DISTANCES AND DIMENSIONS ARE IN FEET AND DECIMALS OF A FOOT.
BUILDING FOOTPRINTS ARE SHOWN TO FINISHED MATERIAL (STUCCO/SIDING) AT GROUND LEVEL.
FINISH FLOOR ELEVATIONS ARE TAKEN AT DOOR THRESHOLD (EXTERIOR)
THE AREA OF THE SURVEYED LOT IS 12,500± SQUARE FEET / 0.29± ACRE

EASEMENT NOTE

EASEMENTS ARE SHOWN PER PRELIMINARY TITLE REPORT ISSUED BY CHICAGO TITLE COMPANY, ORDER NO. FWPS-2989202163-MA, DATED AS OF SEPTEMBER 9, 2020

FEMA NOTE

PROPERTY COMPLETELY OUT OF SPECIAL FLOOD HAZARD AREA (SFHA) PER CURRENT FLOOD INSURANCE RATE MAP

BENCHMARK

CITY OF PALO ALTO BENCHMARK 2142 ON BRASS DISK IN MONUMENT WELL LOCATED AT THE INTERSECTION OF BRYANT STREET AND POE STREET.
ELEVATION = 68.91'
(ADJUSTED TO NAVD 88)

SITE BENCHMARK

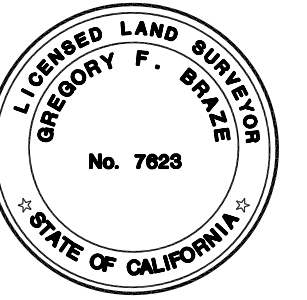
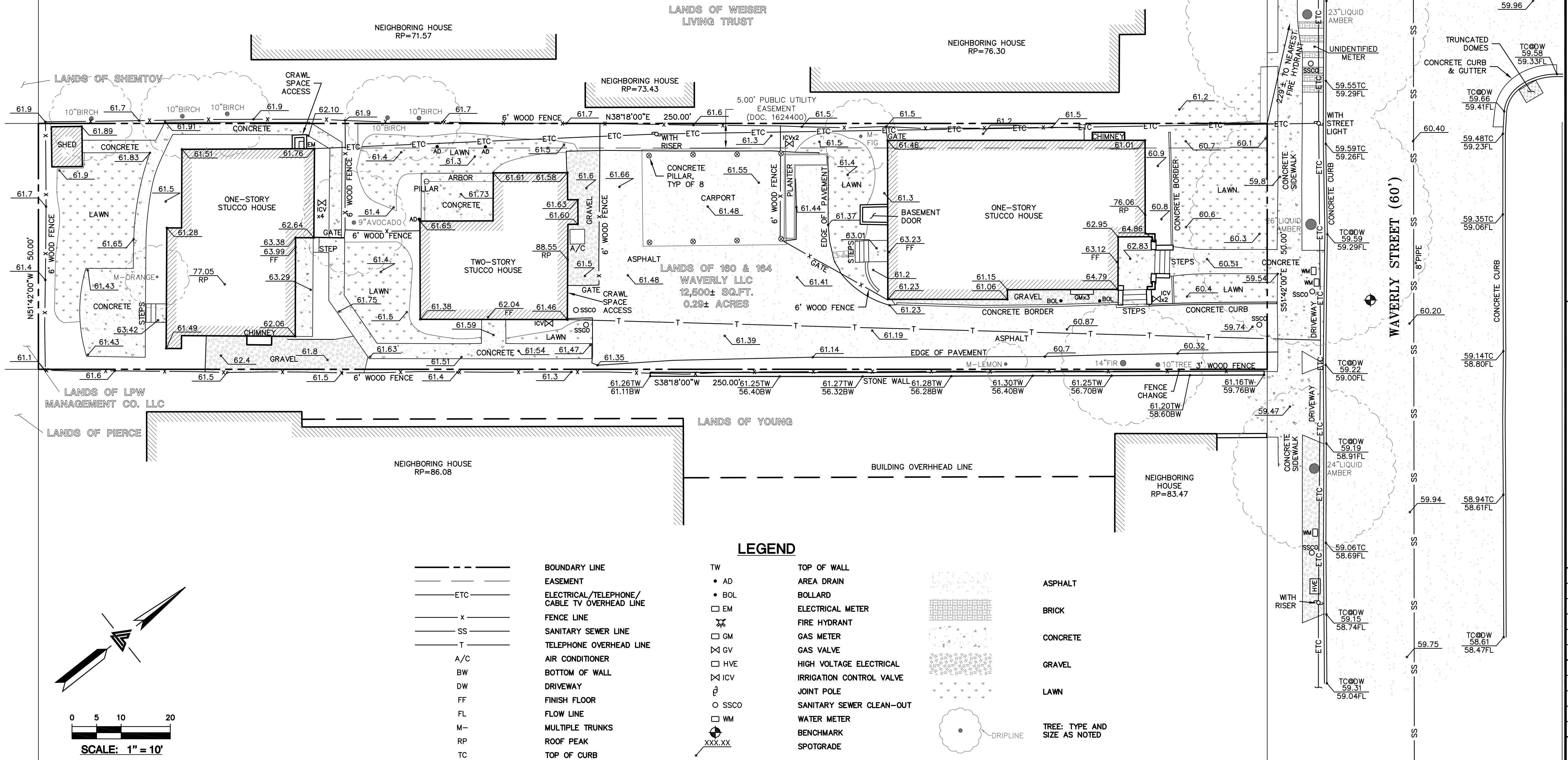
SURVEY CONTROL POINT
MAG AND SHINER SET IN ASPHALT
ELEVATION = 60.05' (NAVD 88)

UTILITY NOTE

ALL UNDERGROUND PIPE TYPES, SIZES AND LOCATION SHOWN ON THIS SURVEY ARE BASED ON VISUAL OBSERVATION. ANY USE OF THIS INFORMATION SHOULD BE VERIFIED, BEFORE ITS USE, WITH THE CONTROLLING MUNICIPALITY OR UTILITY PROVIDER. THIS SURVEY MAKES NO GUARANTEE OF THE INSTALLED ACTUAL LOCATION, DEPTHS OR SIZE.

TREE NOTE

TREE SIZE, TYPE AND DRIPLINES ARE BASED ON A VISUAL OBSERVATION. FINAL DETERMINATION SHOULD BE MADE BY THE PROJECT ARBORIST.



LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS • LAND SURVEYORS
REGIONAL OFFICES:
MAIN OFFICE: 2485 INDUSTRIAL PKWY WEST DUBLIN, CALIFORNIA 94545
SAN JOSE (510) 887-4086
WWW.LEABRAZE.COM

162 WAVERLY STREET
PALO ALTO
CALIFORNIA

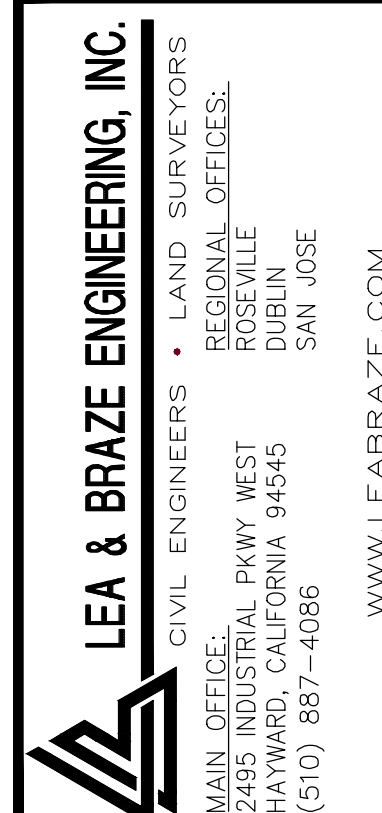
TOPOGRAPHIC SURVEY

APN: 120-12-011
SANTA CLARA COUNTY

REVISIONS	BY
JOB NO: 2201312	
DATE: 10-8-20	
SCALE: 1" = 10'	
FIELD BY: WW	
DRAWN BY: JN	
SHEET NO:	

SU1

01 OF 01 SHEETS



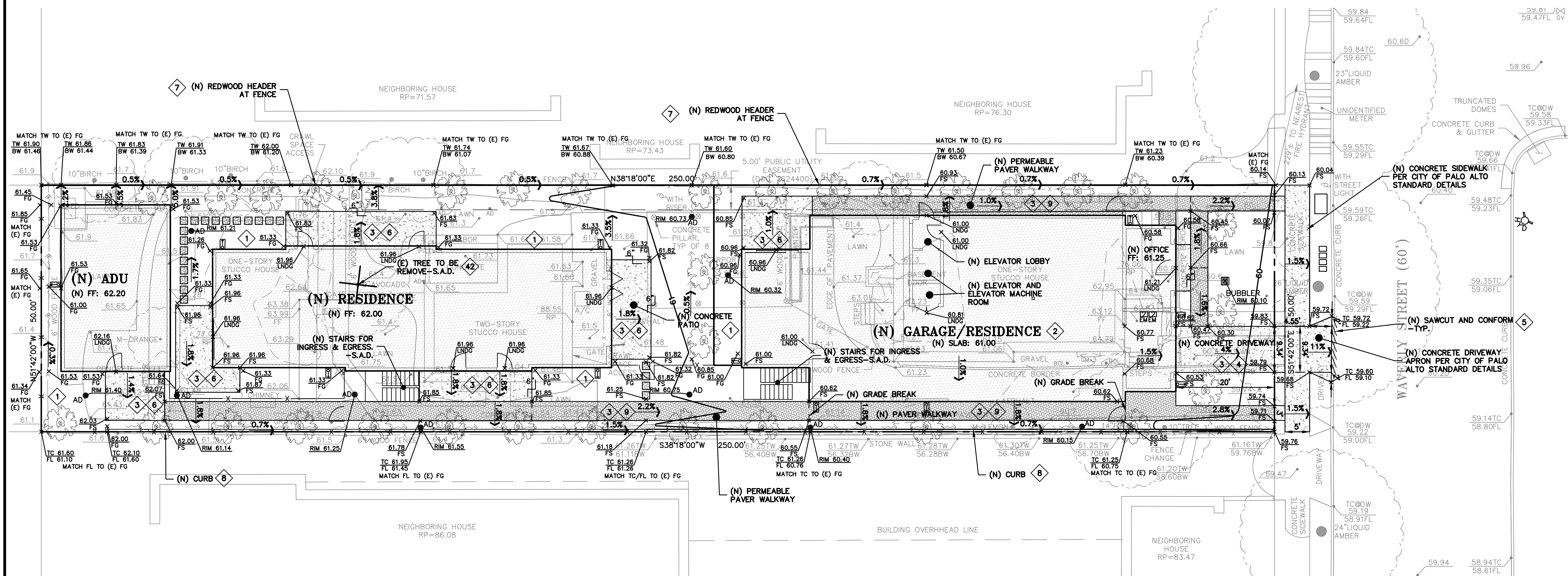
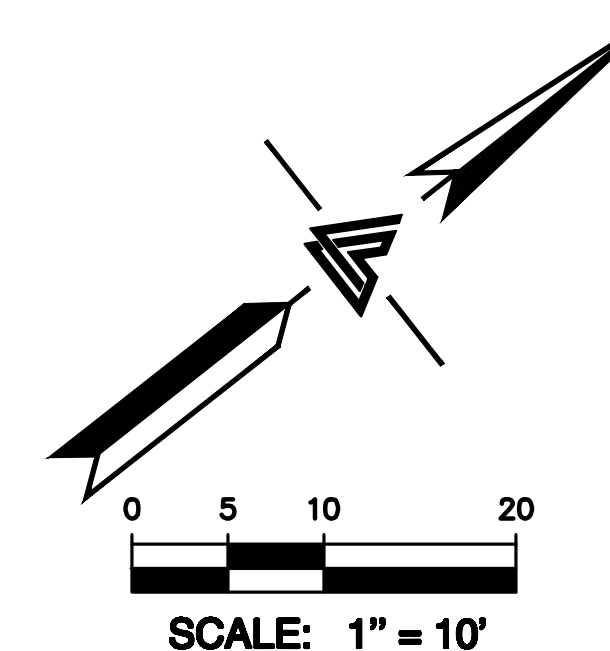
WAVERLEY RESIDENCES
160-164 WAVERLEY STREET
PALO ALTO, CALIFORNIA

PRELIMINARY GRADING AND DRAINAGE PLAN

APN: 120-12-011

SANTA CLARA COUNTY

EETS



1

2

3

4

5

6

7

9

41

42

NOTE:
FOR CONSTRUCTION STAKING
SCHEDULING OR QUOTATIONS
PLEASE CONTACT ALEX ABAYA
AT LEA & BRAZE ENGINEERING
(510)887-4086 EXT 116.
aabaya@leabraz.com

* **BUILDING PAD NOTE:**
ADJUST PAD LEVEL AS
REQUIRED. REFER TO
STRUCTURAL PLANS
FOR SLAB SECTION OR
CRAWL SPACE DEPTH
TO ESTABLISH PAD
LEVEL.

—	—
—	—
—	—
—	—
—	—
REVISIONS	B'
JOB NO:	2201529
DATE:	03—18—
SCALE:	AS NOTE
DESIGN BY:	VA
CHECKED BY:	JH/PC
SHEET NO:	

C-2.0



LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS • LAND SURVEYORS
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(510) 887-4086
SAN JOSE
WWW.LEABRAZE.COM

WAVERLEY RESIDENCES
160-164 WAVERLEY STREET
PALO ALTO, CALIFORNIA
APN: 120-12-011
SANTA CLARA COUNTY

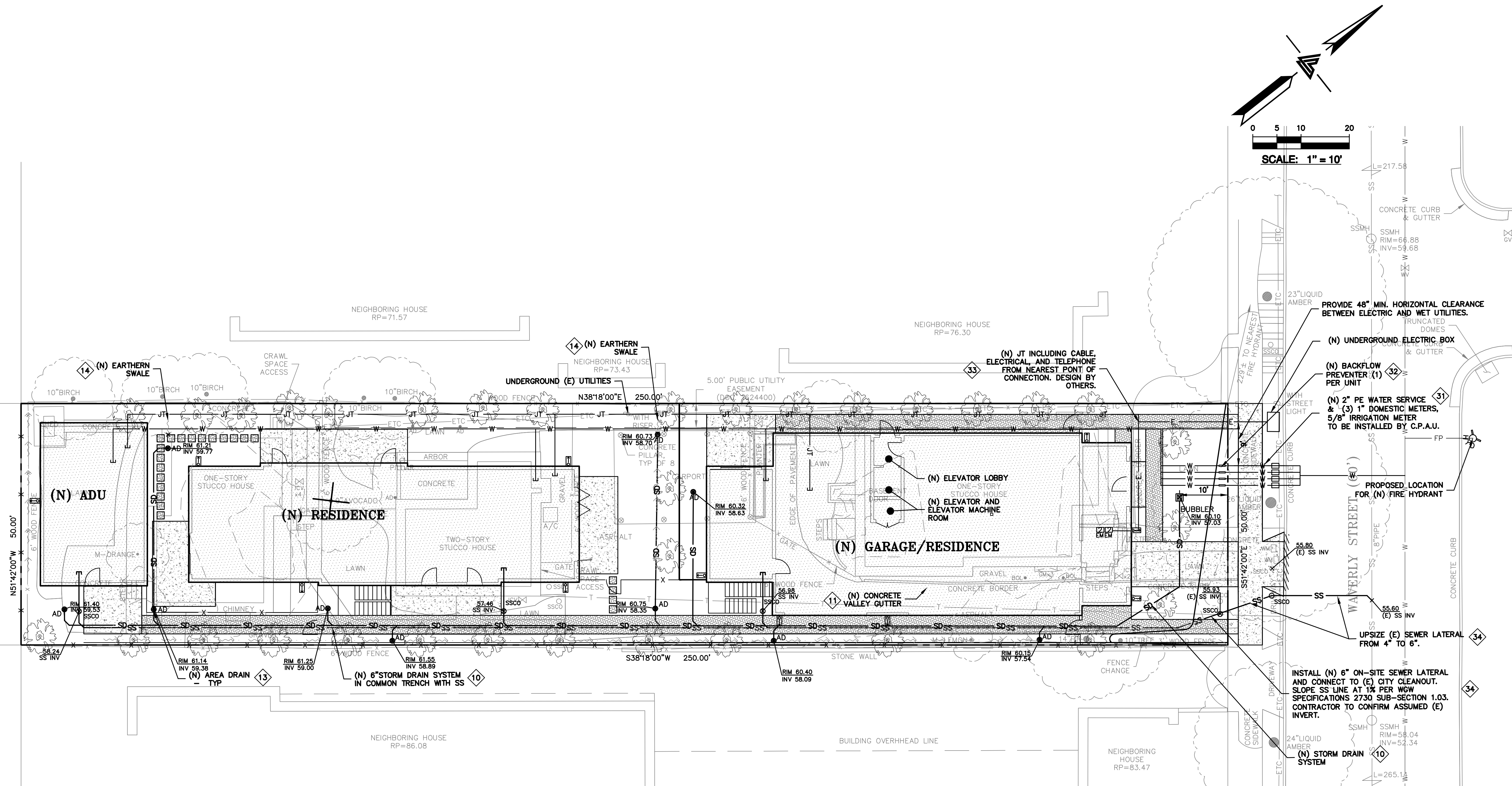
PRELIMINARY
UTILITY PLAN

REVISIONS	BY

JOB NO: 2201529
DATE: 03-18-22
SCALE: AS NOTED
DESIGN BY: VA
CHECKED BY: JH/PC
SHEET NO:

C-3.0

03 OF 05 SHEETS



STORM DRAIN KEYNOTES 10 TO 14

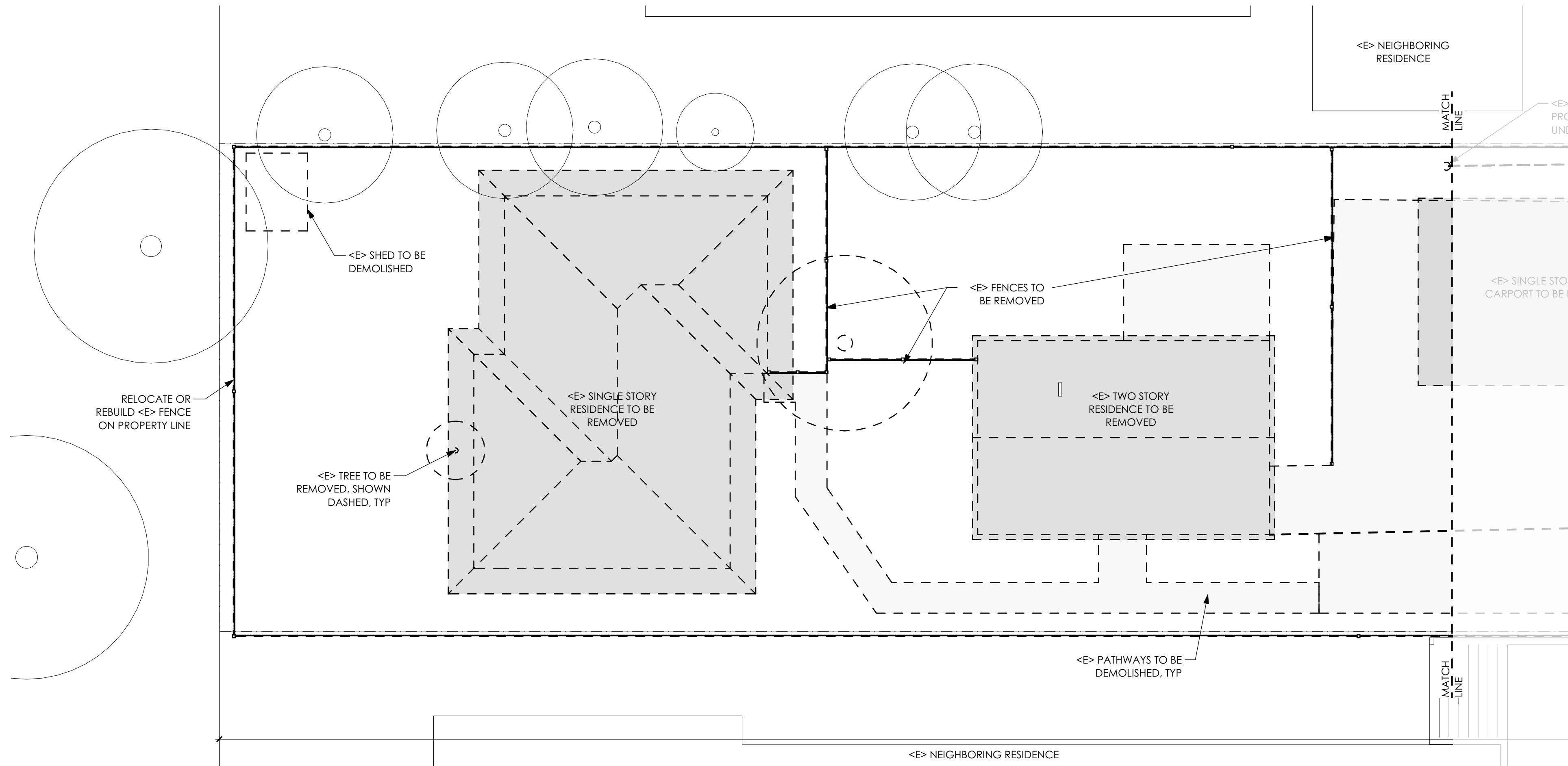
10. INSTALL (N) ON-SITE STORM DRAIN SYSTEM. USE MINIMUM 6" PVC (SDR 35) OR HDPE (ADS N-12 W/ SMOOTH INTERIOR WALLS). MAINTAIN 24" MINIMUM COVER AND SLOPED AT 1% MINIMUM AT ALL TIMES UNLESS OTHERWISE NOTED. PROVIDE CLEANOUT TO GRADE AT MAJOR CHANGES IN DIRECTION. AVOID USING 90° BENDS AND INSTEAD USE (2) 45° BENDS AND WYE CONNECTIONS.
11. CONSTRUCT (N) CONCRETE VALLEY GUTTER SLOPED AT 1% MINIMUM TOWARDS POSITIVE OUTFALL.
12. DIRECT DOWNSPOUTS TO 24" LONG PRECAST CONCRETE SPLASHBLOCKS OR OTHER HARD SURFACE. DIRECT AWAY FROM ANY STRUCTURE AND TOWARDS POSITIVE DRAINAGE.
13. INSTALL (N) "CHRISTY F08" AREA DRAINS. CONNECT TO ON-SITE STORM DRAIN SYSTEM.
14. CONSTRUCT (N) EARTHEN SWALE SLOPED AT 1% MINIMUM TOWARDS POSITIVE OUTFALL.

UTILITIES KEYNOTES 31 TO 34

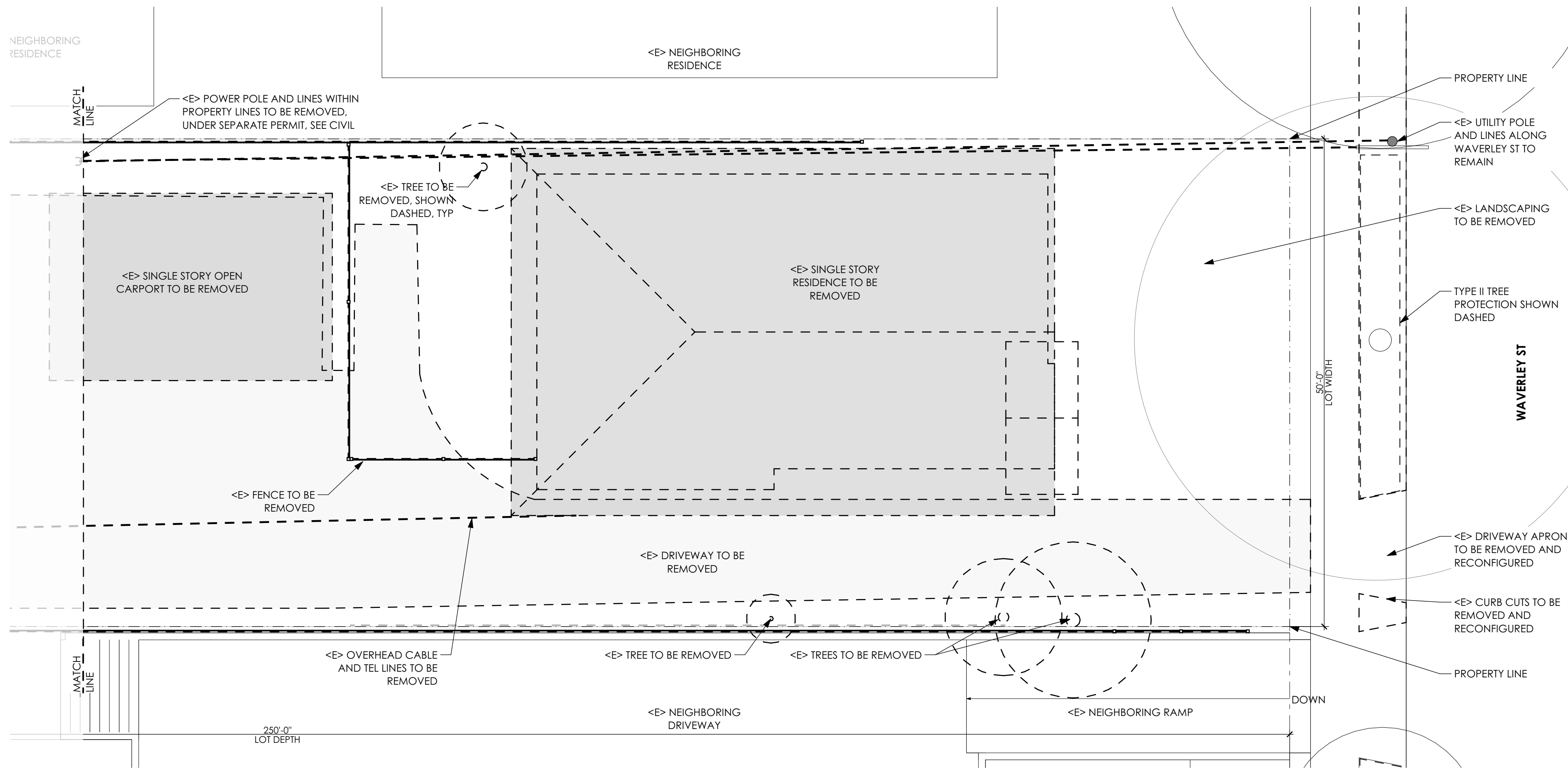
31. CONNECT (N) 2" HDPE WATER SERVICE AND WATER METER PER CPAU STANDARDS. NOTE THAT WATER METER SIZE WILL DEPEND ON WATER DEMANDS. INSTALLATION OF NEW, DISCONNECTION AND ABANDONMENT OF EXISTING WATER SERVICES WILL BE CONDUCTED BY CPAU.
32. INSTALL A RESIDENTIAL DOUBLE CHECK VALVE ASSEMBLY - DCVA BACKFLOW PREVENTER. THE DCVA SHALL BE INSTALLED ON THE OWNER'S PROPERTY AND DIRECTLY BEHIND THE WATER METER PER CITY'S STANDARD DETAIL WD-12C OR M-47. AN RPPA DEVICE MAY BE REQUIRED.
33. INSTALL (N) JOINT TRENCH FOR SERVICES INCLUDING CATV & ELECTRIC FROM NEAREST POINT OF CONNECTION. DESIGN BY OTHERS.
34. (E) CITY SEWER LATERAL AND CLEANOUT TO REMAIN. CONTRACTOR TO VERIFY ASSUMED INVERTS AND LOCATION SHOWN ON PLAN. CONTRACTOR SHALL VIDEO TAPE OR REPAIR AS NEEDED TO ENSURE LATERAL IS IN GOOD WORKING ORDER PRIOR TO CONSTRUCTION. INSTALL ON-SITE SEWER LATERAL AND CONNECT TO (E) CITY CLEANOUT. STREET WORK PERMIT IS REQUIRED BY PUBLIC WORKS FOR WORKING IN THE CITY RIGHT OF WAY.

NOTE:
FOR CONSTRUCTION STAKING
SCHEDULING OR QUOTATIONS
PLEASE CONTACT ALEX ABAYA
AT LEA & BRAZE ENGINEERING
(510)887-4086 EXT 116.
aabaya@leabraze.com

*** BUILDING PAD NOTE:**
ADJUST PAD LEVEL AS
REQUIRED. REFER TO
STRUCTURAL PLANS
FOR SLAB SECTION OR
CRAWL SPACE DEPTH
TO ESTABLISH PAD
LEVEL.



162 - 164 WAVERLEY
SCALE: 1/8" = 1'-0" 2



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

DEMO NOTES

- 1) PRIOR TO ANY SITE DEMOLITION ALL TREE PROTECTION MUST BE IN PLACE. REFER TO ARBORIST REPORT ON SHEET T-2 FOR REQUIRED TREE PRESERVATION MEASURES.
- 2) ALL UTILITIES (WATER, ELECTRIC AND GAS) TO BE SHUT OFF THROUGH CITY OF PALO ALTO PRIOR TO DEMOLITION.
- 3) REMOVE ALL STRUCTURES, HARDSCAPE, VEGETATION AND FENCING WHICH IS NOT ON PROPERTY LINES, UON.
- 4) PROVIDE A MEANS ON THE SITE FOR CONTROL OF DUST DURING DEMOLITION AND CONSTRUCTION WORK.

hya

HEATHER YOUNG ARCHITECTS
81 Encina Avenue, Suite 100
Palo Alto, CA 94301
650-459-3200 / hyarchs.com

WAVERLEY
RESIDENCES

160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

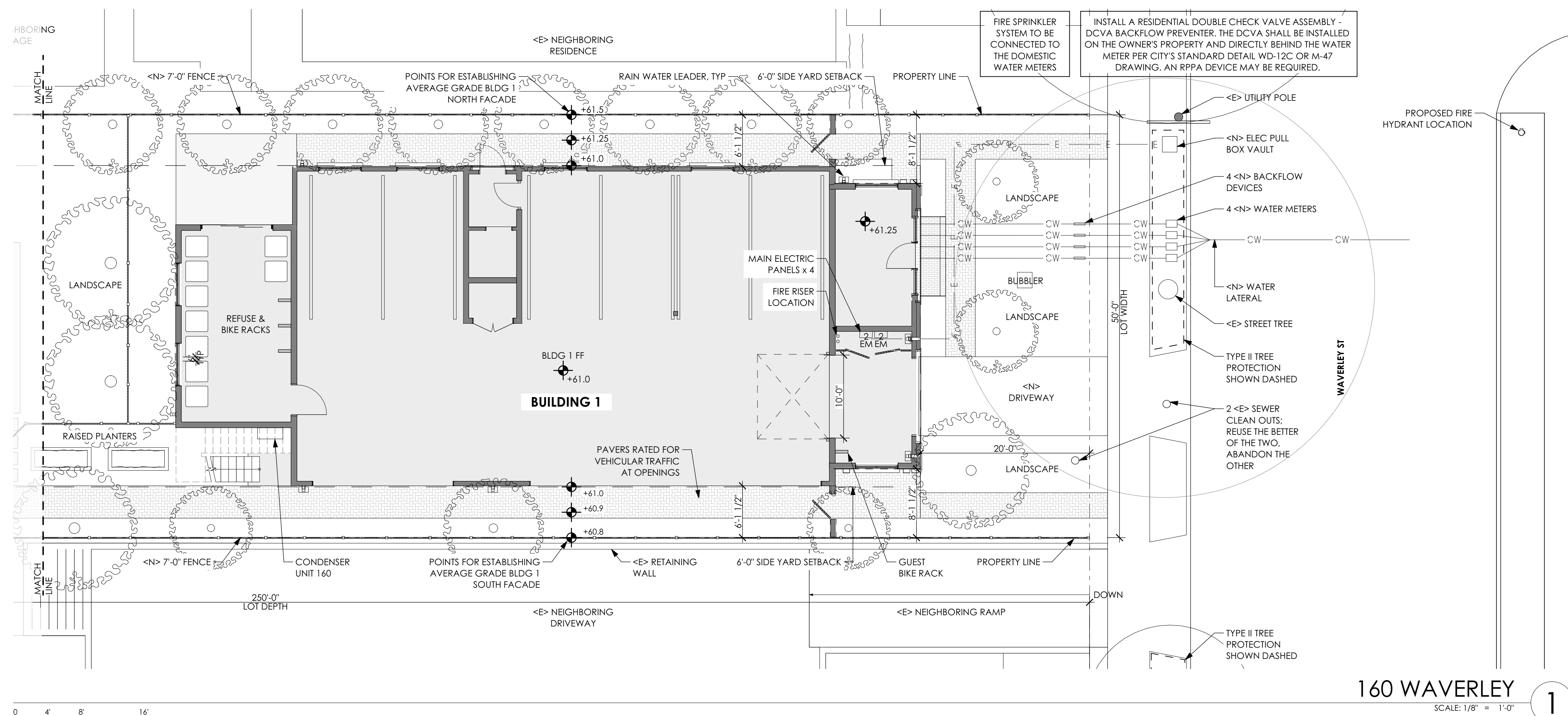
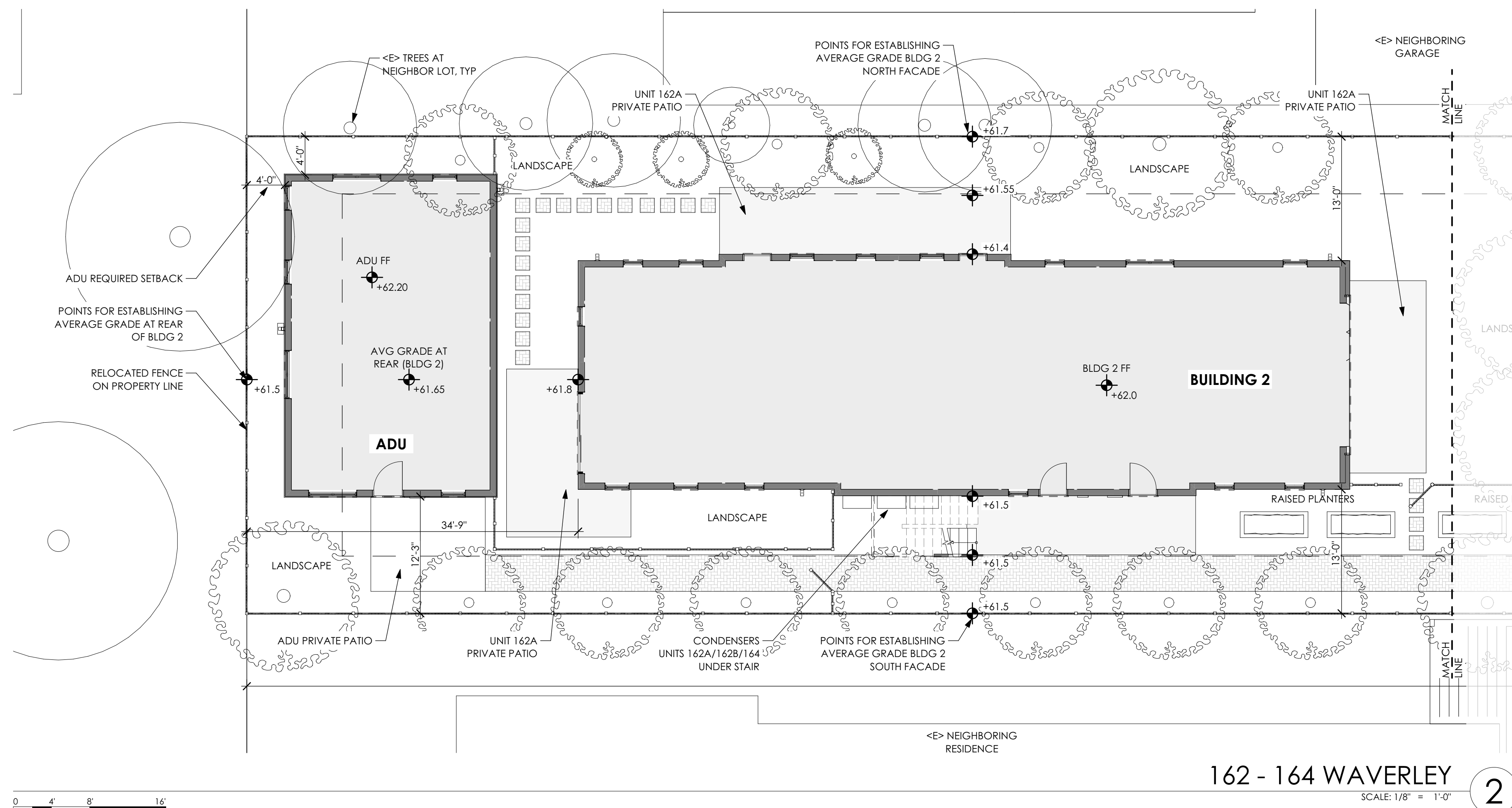
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REV	DATE	DESCRIPTION
	14 DEC 2020	ARB SUBMITTAL
	12 MAR 2021	ARB RESUBMITTAL
	06 MAY 2021	ARB RESUBMITTAL
	09 AUG 2021	ARB RESUBMITTAL
	10 OCT 2021	ARB RESUBMITTAL
	18 MAR 2022	ARB RESUBMITTAL



KEY PLAN

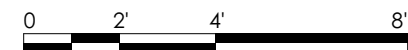
DEMOLITION PLAN

A-12



164 WAVERLEY
PALO ALTO, CA
94301

REV	DATE	DESCRIPTION
	14 DEC 2020	ARB SUBMITTAL
	12 MAR 2021	ARB RESUBMITTAL
	06 MAY 2021	ARB RESUBMITTAL
	09 AUG 2021	ARB RESUBMITTAL
	10 OCT 2021	ARB RESUBMITTAL
	18 MAR 2022	ARB RESUBMITTAL



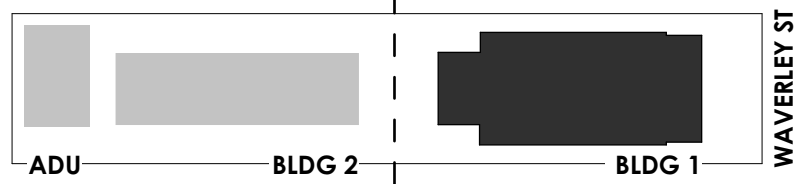
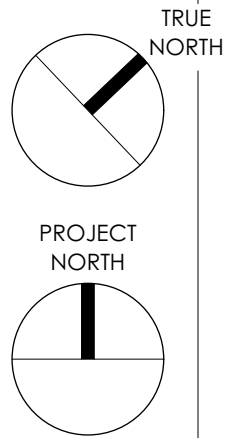


A-15

- 1) PHOTOVOLTAIC REQUIREMENT:
FULL WORKING SYSTEM REQUIRED FOR THIS PROJECT. LOCATIONS AND SIZES ARE APPROXIMATE. A SOLAR SUB CONTRACTOR SHOULD DESIGN THE SYSTEM AND CONSULT WITH ARCHITECT ON CONFIGURATION.
- 2) ROOF COVERING TO BE DURA-LAST 60-MIL MEMBRANE MEETING COOL ROOF REQUIREMENTS.
- 3) PEDESTAL SYSTEM TO BE BISONIP WITH STONE PAVERS IN SANDSTONE PORCELAIN COLOR.
- 4) ALL ROOF PENETRATION TO BE FLASHED ACCORDING TO CURRENT SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA) GUIDELINES. PAINT EXPOSED VENT STACKS TO MATCH ROOF FINISH COLOR. GANG VENTS WHERE POSSIBLE AND COORDINATE WITH ARCHITECT ON LOCATIONS PRIOR TO INSTALLING.

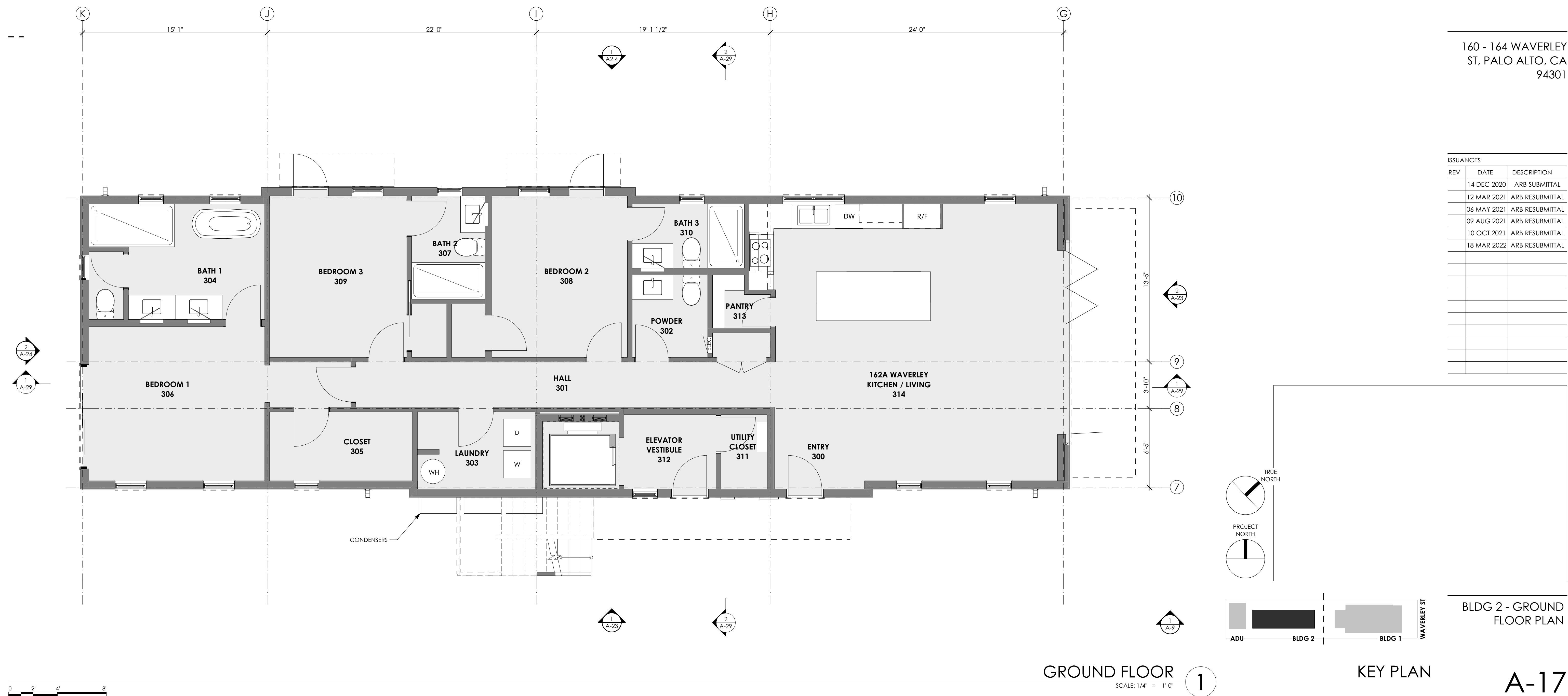
1) A4.106.5 COOL ROOF: LOW-SLOPE ROOFS SHALL HAVE A MINIMUM REFLECTANCE OF 0.65 AND A MINIMUM EMITTANCE OF 0.85. STEEP SLOPE ROOFS SHALL HAVE A MINIMUM REFLECTANCE OF 0.23 AND EMITTANCE OF 0.85.

160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

[illegible]BLDG 1 - ROOF
PLAN

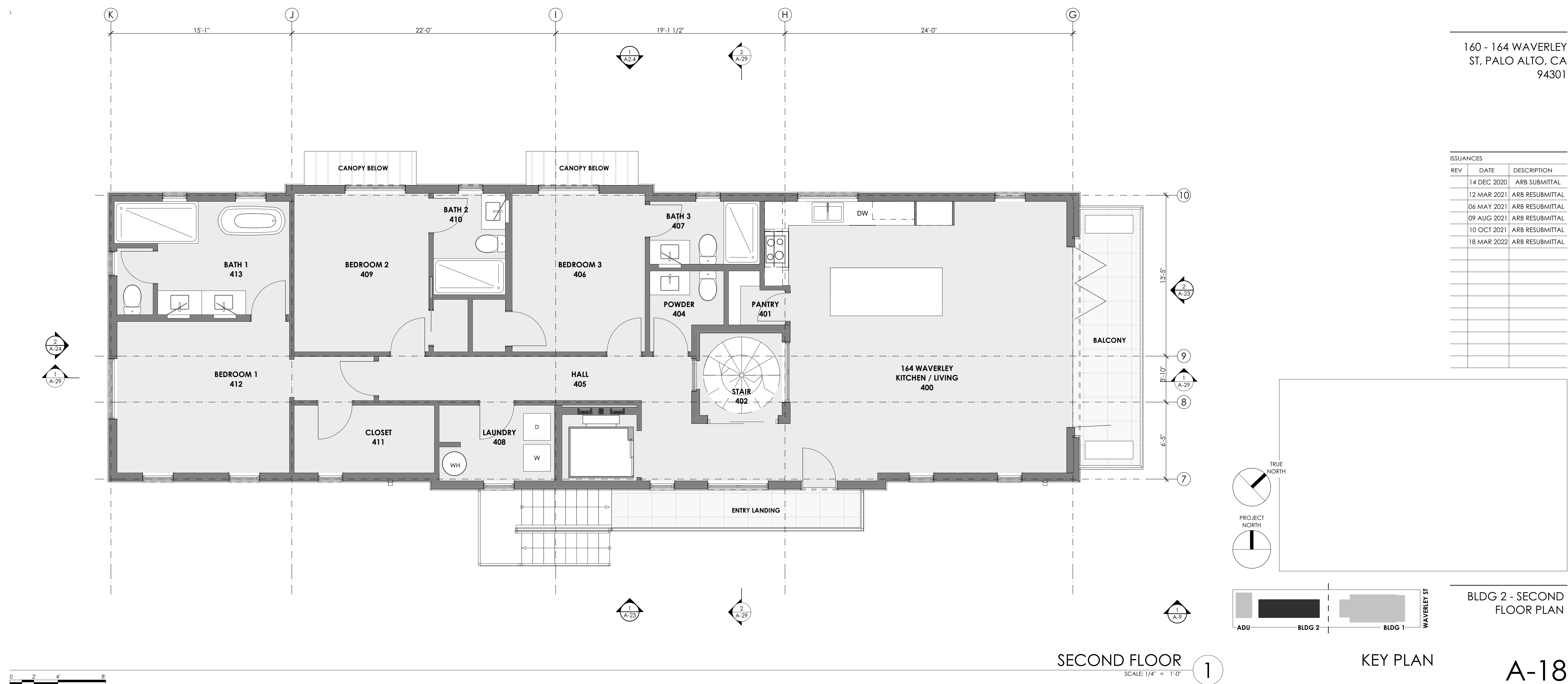
WAVERLEY
RESIDENCES

160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

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WAVERLEY
RESIDENCES

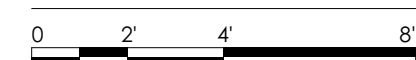
160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

[illegible]

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- 3) PEDESTAL SYSTEM TO BE BISONIP WITH STONE PAVERS IN SANDSTONE PORCELIN COLOR.
- 4) ALL ROOF PENETRATION TO BE FLASHED ACCORDING TO CURRENT SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA) GUIDELINES. PAINT EXPOSED VENT STACKS TO MATCH ROOF FINISH COLOR. GANG VENTS WHERE POSSIBLE AND COORDINATE WITH ARCHITECT ON LOCATIONS PRIOR TO INSTALLING.

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160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

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KEY PLAN

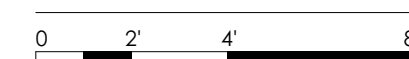
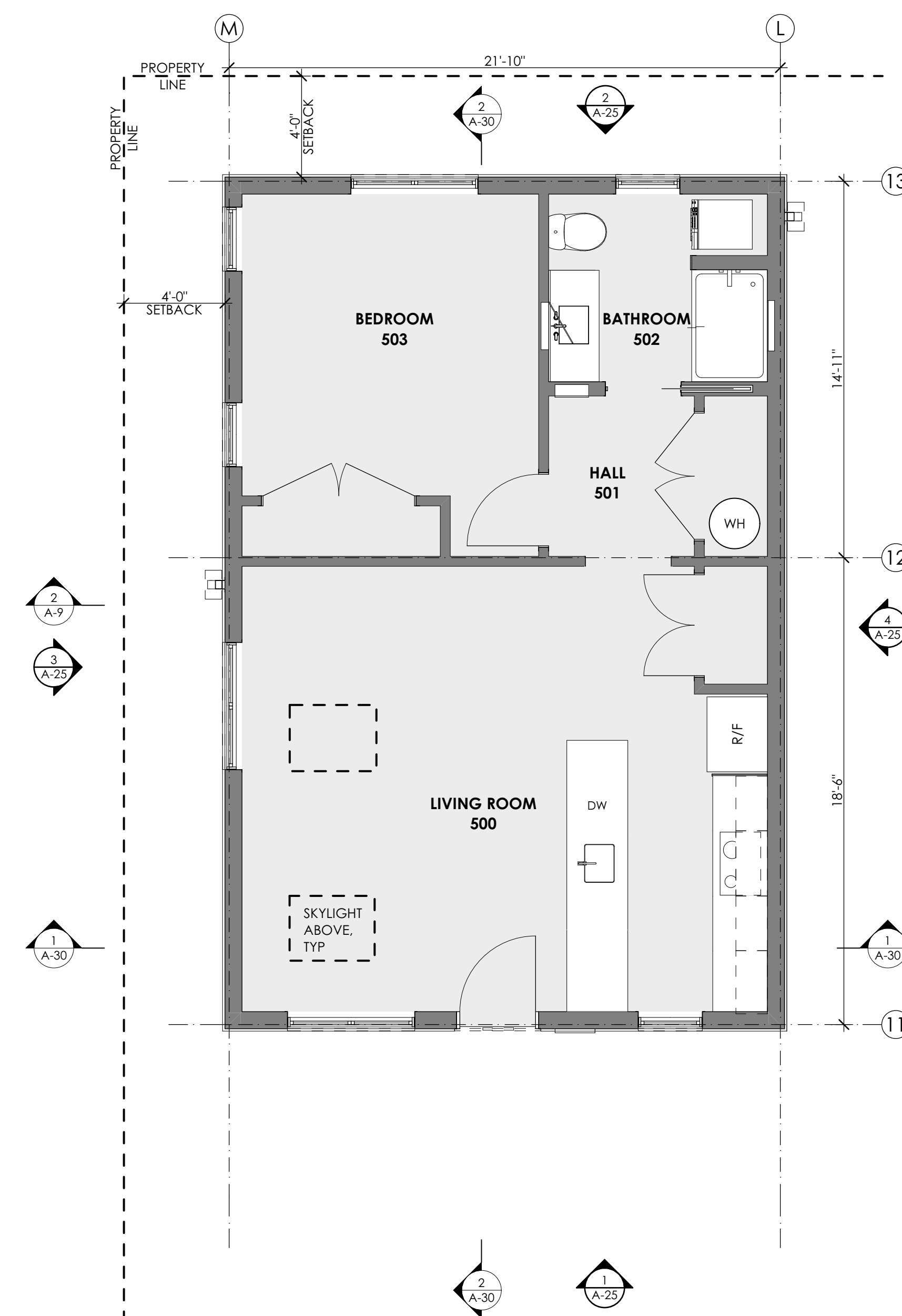
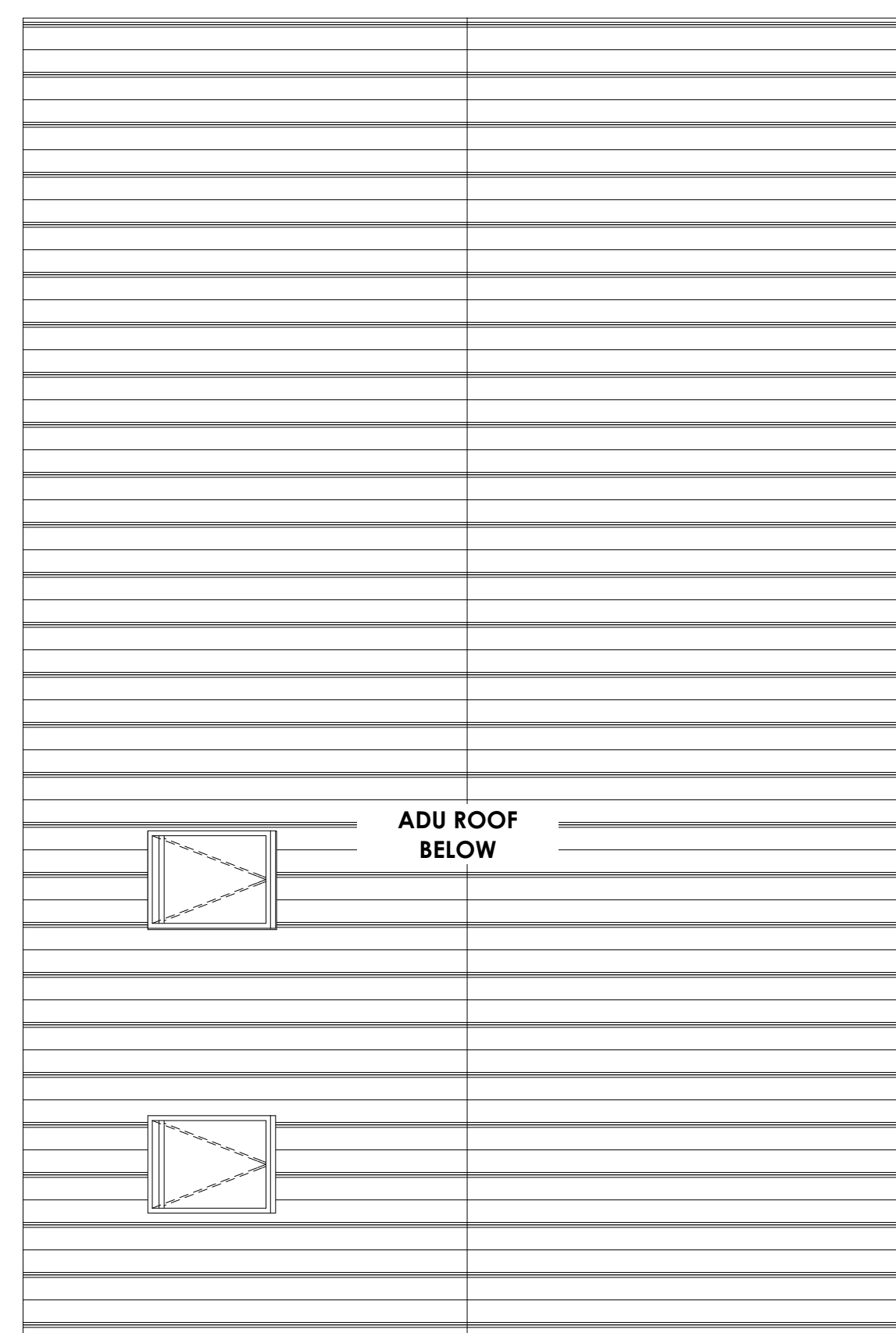
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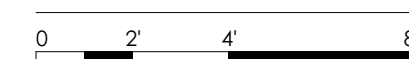
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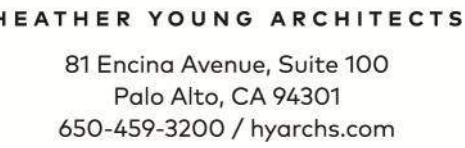
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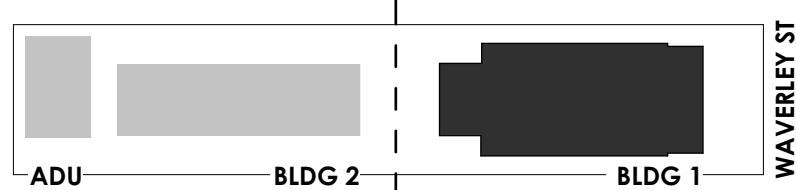
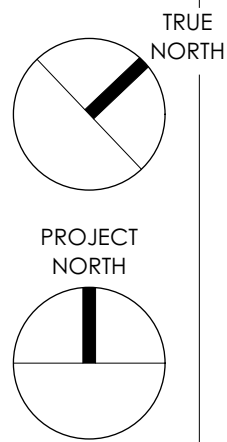
160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

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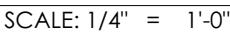
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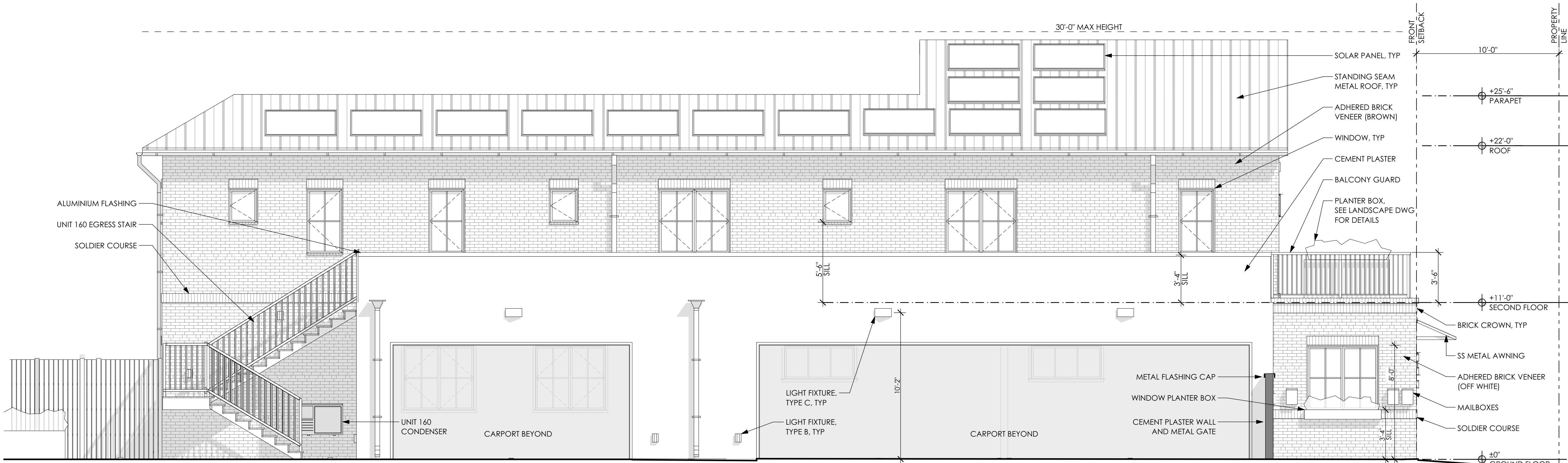
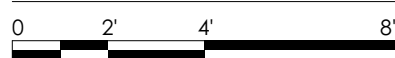
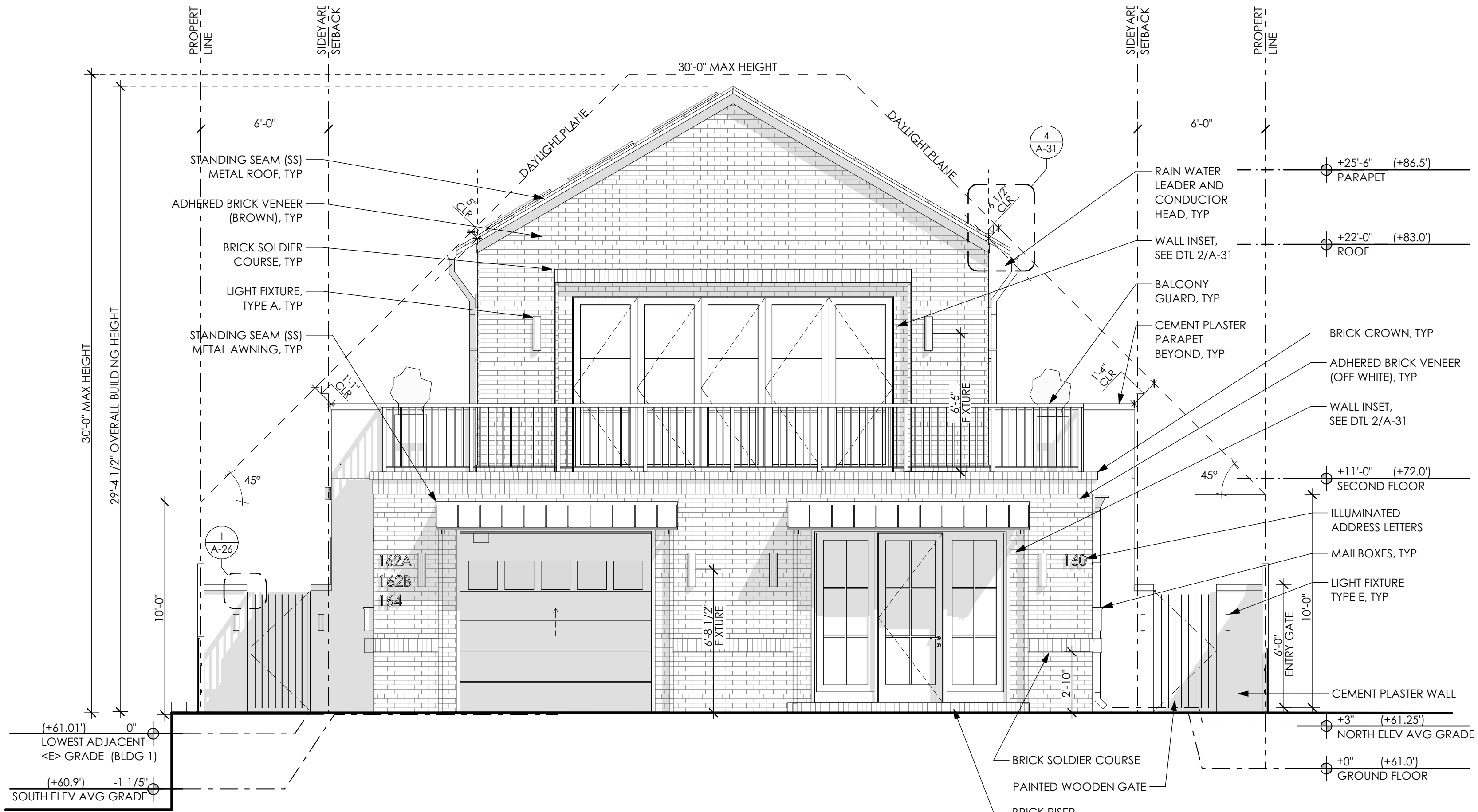
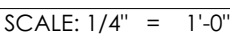
- 2) **ADHERED BRICK VENEER (OFF WHITE):**
 - MANUFACTURER: INTERSTATE BRICK
 - SERIES: ARCTIC WHITE THIN BRICK
 - STANDARD THIN BRICK FLATS AND CORNERS
 - SIZE: 7 5/8" x 2 1/4" x 5/8" THICK
 - RUNNING BOND PATTERN W/ FLEMISH BOND EVERY 13 COURSES
 - 3/8" GROUT - CONCAVE JOINTS
 - ADHERED MASONRY VENEER SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 3) **CEMENT PLASTER:**
 - PAINTED: WARM WHITE
 - 7/8" THICK 3-COAT SAND FINISH
- 4) **ADHERED BRICK VENEER (BROWN):**
 - MANUFACTURER: GENERAL SHALE
 - SERIES: IRONWORKS THIN BRICK
 - STANDARD THIN BRICK FLATS AND CORNERS
 - SIZE: 7 5/8" x 2 1/4" x 1/2"
 - RUNNING BOND PATTERN W/ FLEMISH BOND EVERY 13 COURSES
 - 3/8" GROUT - CONCAVE JOINTS
 - ADHERED MASONRY VENEER SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 5) **BALCONY GUARD:**
 - 42" HIGH WITH VERTICAL PICKETS
 - ANODIZED ALUMINUM
 - COLOR DARK GREY
- 6) **BRICK CROWN:**
 - OFF WHITE BRICK, SEE DETAILS ON A-31
- 7) **RAINWATER LEADERS, CONDUCTORS & GUTTERS:**
 - BONDERIZED PAINTED METAL
 - SIZE: 3" x 4" RECTANGULAR
 - COLOR: DARK GREY
- 8) **WINDOWS:**
 - ALUMINUM CLAD WOOD CASEMENT
 - JELD-WEN, SIGHTLINE SERIES
 - DARK GREY FRAMES AND SASHES
- 9) **OFFICE DOOR:**
 - ALUMINUM CLAD WOOD
 - FULL GLASS WITH MUNTINS
 - DARK GREY FRAMES AND SASHES
- 10) **ENTRY / ELEVATOR VESTIBULE DOORS:**
 - ALUMINUM CLAD WOOD
 - HALF GLASS WITH MUNTINS
 - DARK GREY FRAMES AND SASHES
- 11) **FOLDING / SLIDING DOORS:**
 - ALUMINUM, NARROW STILE
 - FLEETWOOD
 - FULL GLASS WITH MUNTINS
 - DARK GREY FRAMES AND SASHES
- 12) **GARAGE DOOR:**
 - ALUMINUM, SECTIONAL
 - UPPER GLASS PANELS (5)
 - DARK GREY FRAMES AND DOORS
- 13) **FRONT GATES:**
 - CEDAR SHIPLAP, PRIMED AND PAINTED TO MATCH DARK GREY GUARD RAILS
- 14) **ROOFS AND AWNINGS:**
 - 1" STANDING SEAM (SS) METAL
 - MANUFACTURER: TITAN COOL ROOF OR SIM
 - CA TITLE 24 COOL ROOF (0668-0129)
 - LIGHT GREY TONE SELECTION
- 15) **ALUMINUM FLASHING CAP**
 - 20 GAUGE
 - PRE FINISHED POWDER COAT
 - PAINTED DARK GREY TO MATCH DOOR & WINDOW FRAMES



160 WAVERLEY EAST ELEVATION



160 WAVERLEY SOUTH ELEVATION

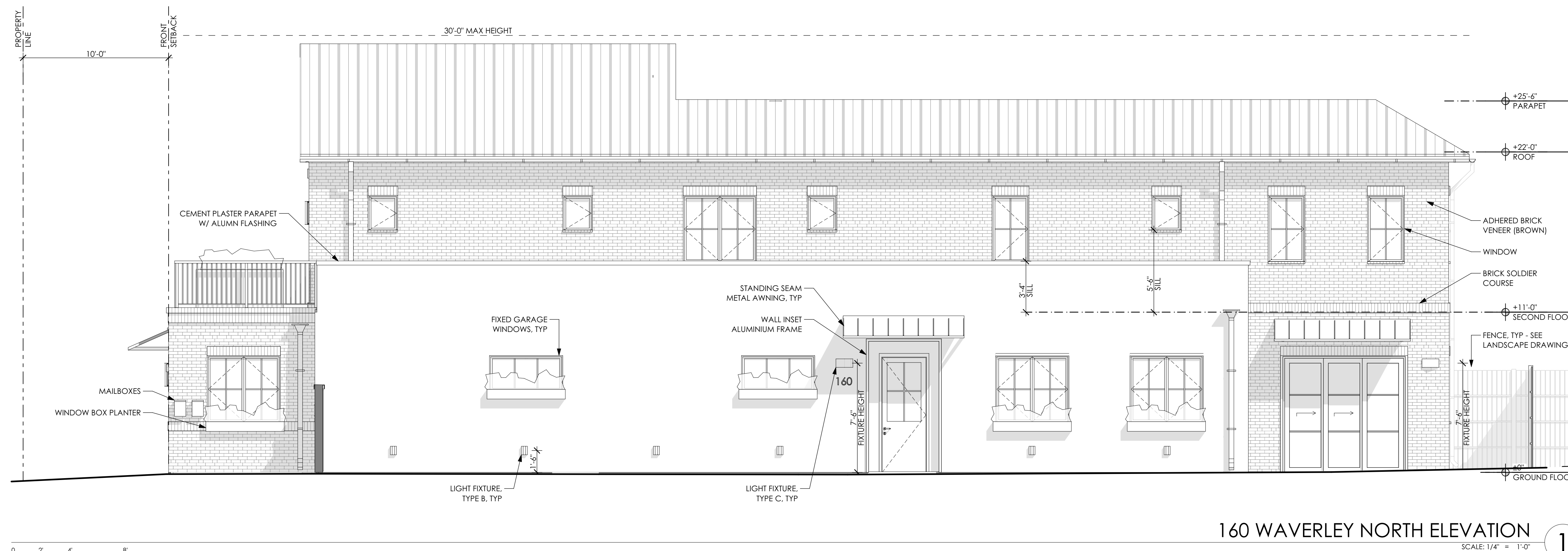
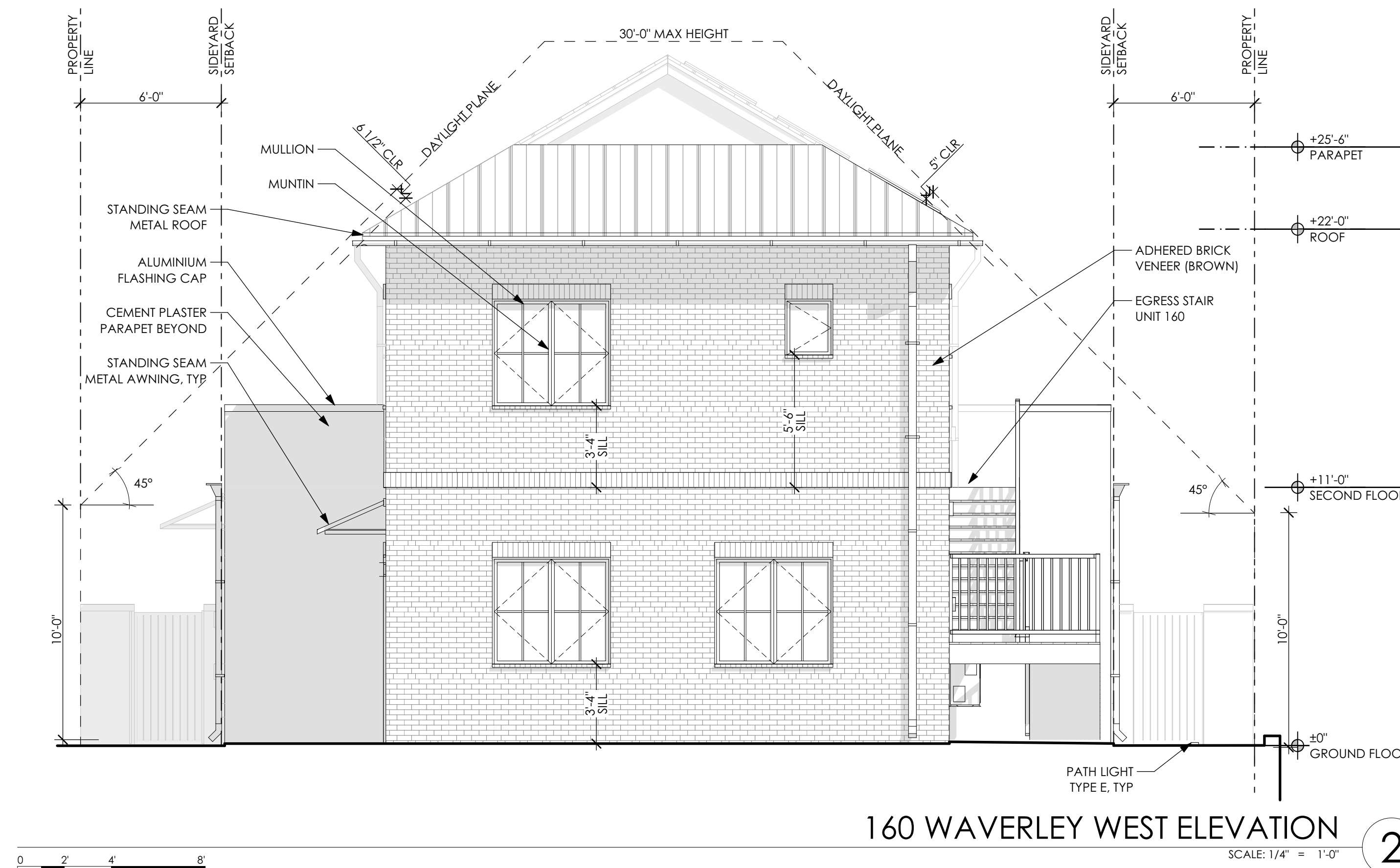


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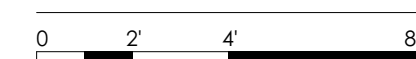
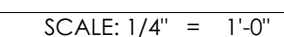
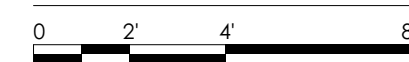
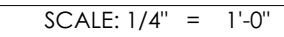
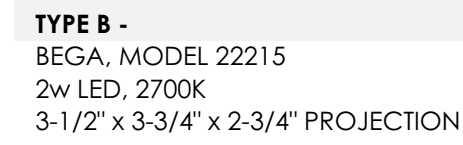
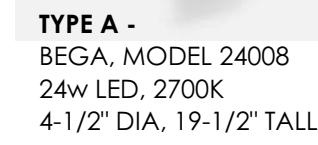
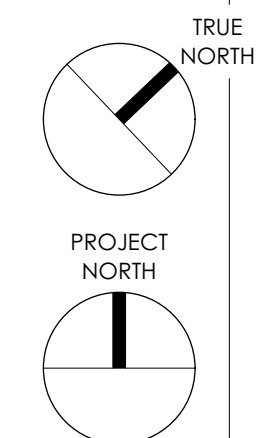
160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

[illegible]BLDG 1 -
ELEVATIONS

- 1) **ADHERED BRICK VENEER (OFF WHITE):**
 - MANUFACTURER: INTERSTATE BRICK
 - SERIES: ARCTIC WHITE THIN BRICK
 - STANDARD THIN BRICK FLATS AND CORNERS
 - SIZE: 7 5/8" x 2 1/4" x 5/8" THICK
 - RUNNING BOND PATTERN W/ FLEMISH BOND EVERY 13 COURSES
 - 3/8" GROUT - CONCAVE JOINTS
 - ADHERED MASONRY VENEER SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 2) **CEMENT PLASTER:**
 - PAINTED: WARM WHITE
 - 7/8" THICK 3-COAT SAND FINISH
- 3) **ADHERED BRICK VENEER (BROWN):**
 - MANUFACTURER: GENERAL SHALE
 - SERIES: IRONWORKS THIN BRICK
 - STANDARD THIN BRICK FLATS AND CORNERS
 - SIZE: 7 5/8" x 2 1/4" x 1/2"
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- 4) **BALCONY GUARD:**
 - 42" HIGH WITH VERTICAL PICKETS
 - ANODIZED ALUMINUM
 - COLOR: DARK GREY
- 5) **BRICK CROWN:**
 - OFF WHITE BRICK. SEE DETAILS ON A-31
- 6) **RAINWATER LEADERS, CONDUCTORS & GUTTERS:**
 - ALUMINIZED PAINTED METAL
 - SIZE: 3" x 4" RECTANGULAR
 - COLOR: DARK GREY
- 7) **WINDOWS:**
 - ALUMINUM CLAD WOOD CASEMENT
 - JELD-WEN, SIGHTLINE SERIES
 - DARK GREY FRAMES AND SASHES
- 8) **OFFICE DOOR:**
 - ALUMINUM CLAD WOOD
 - FULL GLASS WITH MUNTINS
 - DARK GREY FRAMES AND SASHES
- 9) **ENTRY / ELEVATOR VESTIBULE DOORS:**
 - ALUMINUM CLAD WOOD
 - HALF GLASS WITH MUNTINS
 - DARK GREY FRAMES AND SASHES
- 10) **FOLDING / SLIDING DOORS:**
 - ALUMINUM, NARROW STILE
 - FLEETWOOD
 - FULL GLASS WITH MUNTINS
 - DARK GREY FRAMES AND SASHES
- 11) **GARAGE DOOR:**
 - ALUMINUM, SECTIONAL
 - UPPER GLASS PANELS (5)
 - DARK GREY FRAMES AND DOORS
- 12) **FRONT GATES:**
 - CEDAR SHIPLAP, PRIMED AND PAINTED TO MATCH DARK GREY GARAGE RAILS
- 13) **ROOFS AND AWNINGS:**
 - 1" STANDING SEAM (SS) METAL
 - MANUFACTURER: TITIAL COOL ROOF OR SIMILAR
 - CA TITLE 24 COOL ROOF (0668-0129)
 - LIGHT GREY TONE SELECTION
- 14) **ALUMINUM FLASHING CAP**
 - 20 GAUGE
 - PRE FINISHED POWDER COAT
 - PAINTED DARK GREY TO MATCH DOOR & WINDOW FRAMES



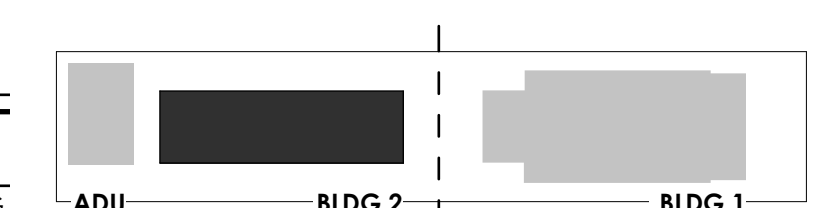
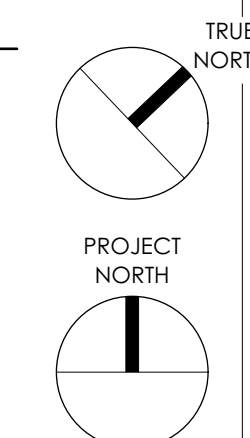
KEY PLAN

[illegible]

160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

[illegible]BLDG 2 -
ELEVATIONS

- 1) **ADHERED BRICK VENEER (OFF WHITE):**
 - MANUFACTURER: INTERSTATE BRICK
 - SERIES: ARCTIC WHITE THIN BRICK
 - STANDARD THIN BRICK FLATS AND CORNERS
 - SIZE: 7 5/8" x 2 1/4" x 5/8" THICK
 - RUNNING BOND PATTERN W/ FLEMISH BOND EVERY 13 COURSES
 - 3/8" GROUT - CONCAVE JOINTS
 - ADHERED MASONRY VENEER SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 2) **CEMENT PLASTER:**
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- 4) **BALCONY GUARD:**
 - 42" HIGH WITH VERTICAL PICKETS
 - ANODIZED ALUMINUM
 - COLOR DARK GREY
- 5) **BRICK CROWN:**
 - OFF WHITE BRICK, SEE DETAILS ON A-31
- 6) **RAINWATER LEADERS, CONDUCTORS & GUTTERS:**
 - BONDERIZED PAINTED METAL
 - SIZE: 3" x 4" RECTANGULAR
 - COLOR: DARK GREY
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 - JELD-WEN, SIGHTLINE SERIES
 - DARK GREY FRAMES AND SASHES
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 - FULL GLASS WITH MUNTINS
 - DARK GREY FRAMES AND SASHES
- 9) **ENTRY/ ELEVATOR VESTIBULE DOORS:**
 - ALUMINUM CLAD WOOD
 - HALF GLASS WITH MUNTINS
 - DARK GREY FRAMES AND SASHES
- 10) **FOLDING/ SLIDING DOORS:**
 - ALUMINUM, NARROW STYLE
 - FLEETWOOD
 - FULL GLASS WITH MUNTINS
 - DARK GREY FRAMES AND SASHES
- 11) **GARAGE DOOR:**
 - ALUMINUM, SECTIONAL
 - UPPER GLASS PANELS (5)
 - DARK GREY FRAMES AND DOORS
- 12) **FRONT GATES:**
 - CEDAR SHIPPLA, PRIMED AND PAINTED TO MATCH DARK GREY GUARD RAILS
- 13) **ROOFS AND AWNINGS:**
 - 1" STANDING SEAM (SS) METAL
 - MANUFACTURER: TITIAL COOL ROOF OR SIM
 - TITIAL T4 COOL ROOF (0668-0129)
 - LIGHT GREY TONE SELECTION
- 14) **ALUMINUM FLASHING CAP**
 - 20 GAUGE
 - PRE FINISHED POWDER COAT
 - PAINTED DARK GREY TO MATCH DOOR & WINDOW FRAMES



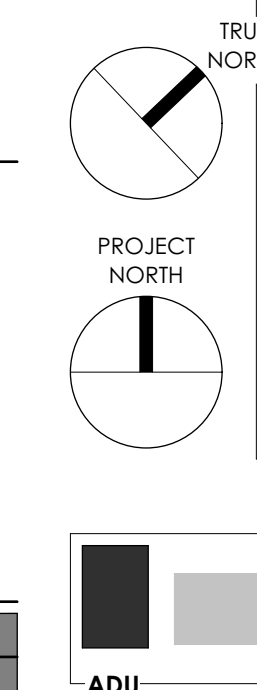
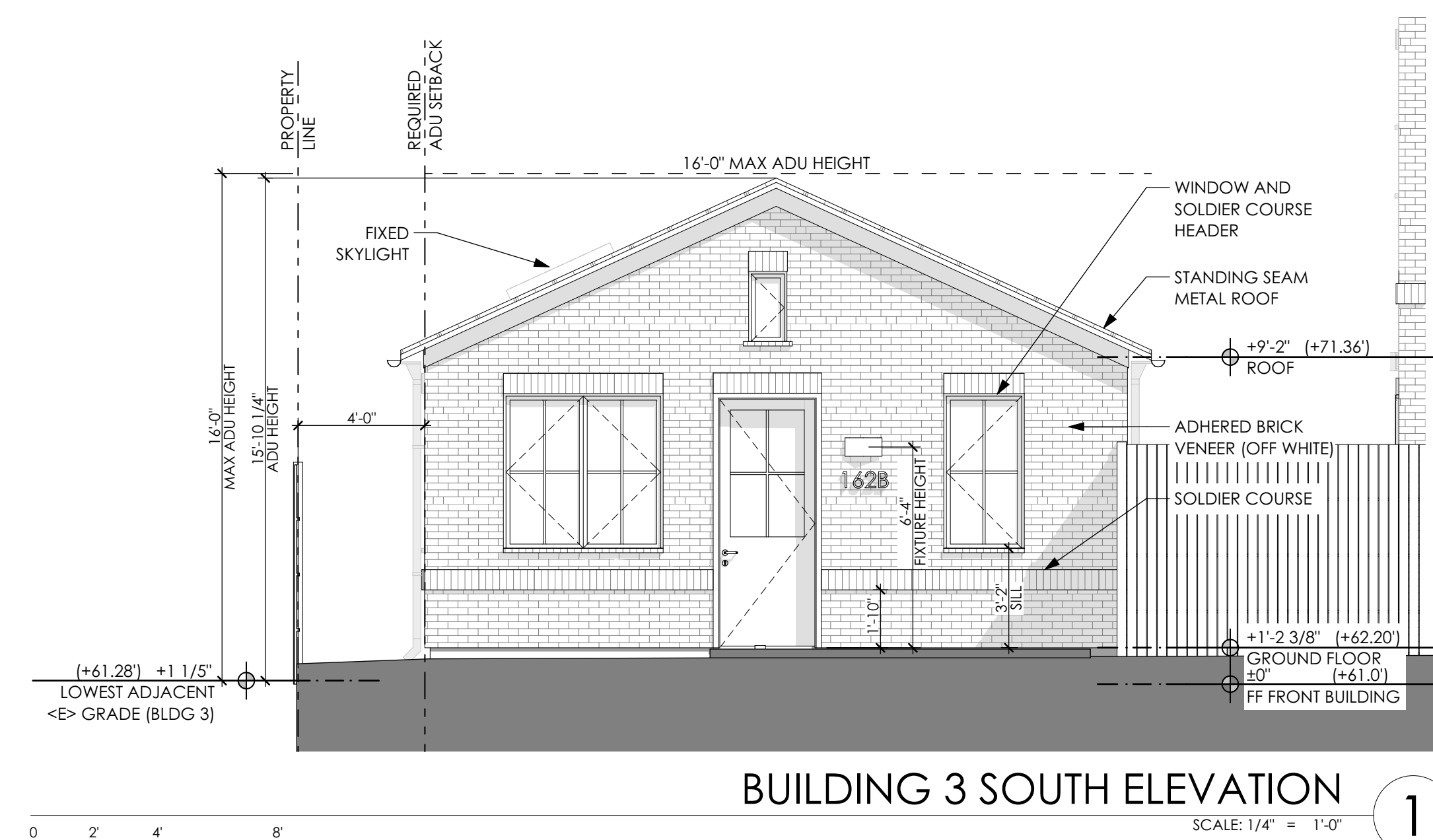
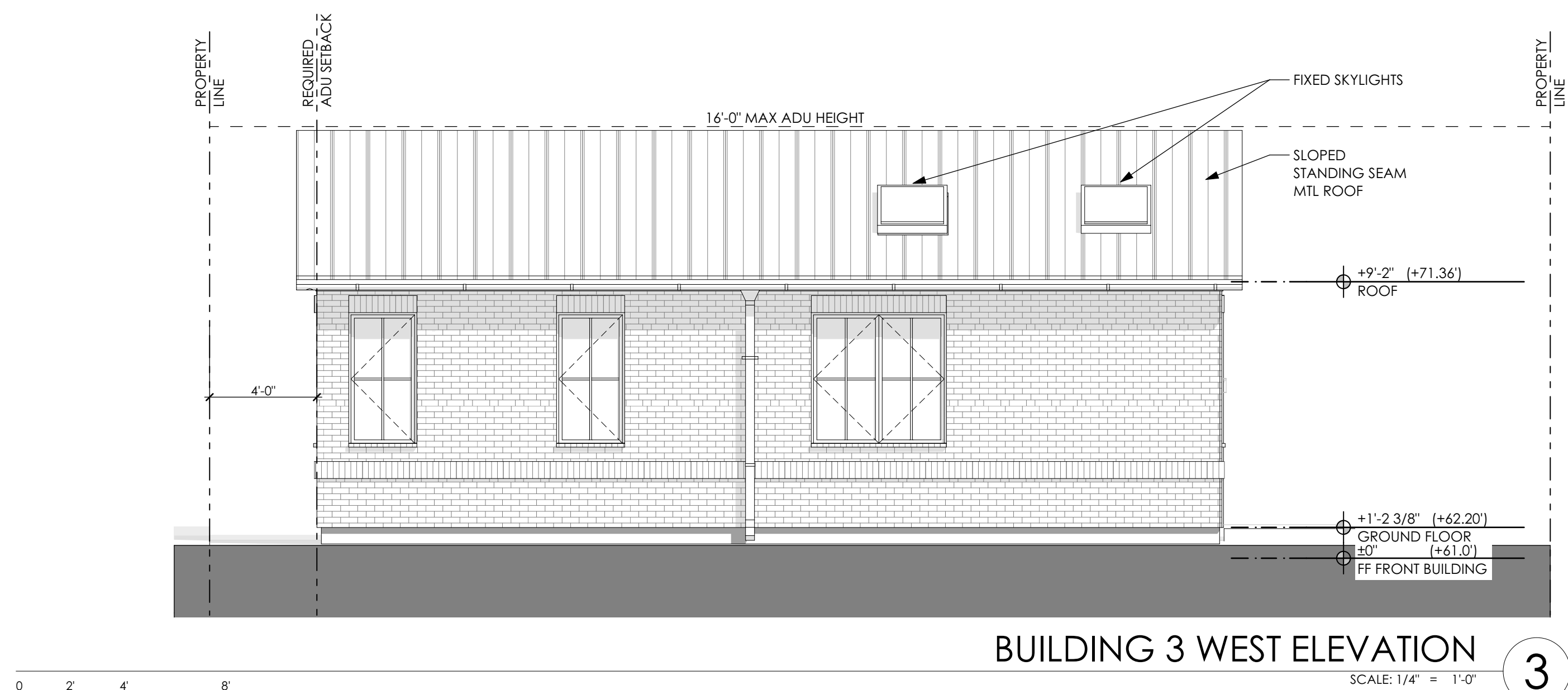
KEY PLAN

- 1) **ADHERED BRICK VENEER (OFF WHITE):**
 - MANUFACTURER: INTERSTATE BRICK
 - SERIES: ARCTIC WHITE THIN BRICK
 - STANDARD THIN BRICK FLATS AND CORNERS
 - SIZE: 7 5/8" x 2 1/4" x 5/8" THICK
 - RUNNING BOND PATTERN W/ FLEMISH BOND EVERY 13 COURSES
 - 3/8" GROUT - CONCAVE JOINTS
 - ADHERED MASONRY VENEER SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 2) **CEMENT PLASTER:**
 - PAINTED: WARM WHITE
 - 7/8" THICK 3-COAT SAND FINISH
- 3) **ADHERED BRICK VENEER (BROWN):**
 - MANUFACTURER: GENERAL SHALE
 - SERIES: IRONWORKS THIN BRICK
 - STANDARD THIN BRICK FLATS AND CORNERS
 - SIZE: 7 5/8" x 2 1/4" x 1/2"
 - RUNNING BOND PATTERN W/ FLEMISH BOND EVERY 13 COURSES
 - 3/8" GROUT - CONCAVE JOINTS
 - ADHERED MASONRY VENEER SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 4) **BALCONY GUARD:**
 - 42" HIGH WITH VERTICAL PICKETS
 - ANODIZED ALUMINUM
 - COLOR DARK GREY
- 5) **BRICK CROWN:**
 - OFF WHITE BRICK, SEE DETAILS ON A-31
- 6) **RAINWATER LEADERS, CONDUCTORS & GUTTERS:**
 - BONDERIZED PAINTED METAL
 - SIZE: 3" x 4" RECTANGULAR
 - COLOR: DARK GREY
- 7) **WINDOWS:**
 - ALUMINUM CLAD WOOD CASEMENT
 - JELD-WEN, SIGHTLINE SERIES
 - DARK GREY FRAMES AND SASHES
- 8) **OFFICE DOOR:**
 - ALUMINUM CLAD WOOD
 - FULL GLASS WITH MUNTINS
 - DARK GREY FRAMES AND SASHES
- 9) **ENTRY/ ELEVATOR VESTIBULE DOORS:**
 - ALUMINUM CLAD WOOD
 - HALF GLASS WITH MUNTINS
 - DARK GREY FRAMES AND SASHES
- 10) **FOLDING/ SLIDING DOORS:**
 - ALUMINUM, NARROW STYLE
 - FLEETWOOD
 - FULL GLASS WITH MUNTINS
 - DARK GREY FRAMES AND SASHES
- 11) **GARAGE DOOR:**
 - ALUMINUM, SECTIONAL
 - UPPER GLASS PANELS (5)
 - DARK GREY FRAMES AND DOORS
- 12) **FRONT GATES:**
 - CEDAR SHIPPLA, PRIMED AND PAINTED TO MATCH DARK GREY GUARD RAILS
- 13) **ROOFS AND AWNINGS:**
 - 1" STANDING SEAM (SS) METAL
 - MANUFACTURER: TITIAL COOL ROOF OR SIM
 - TITIAL T4 COOL ROOF (0668-0129)
 - LIGHT GREY TONE SELECTION
- 14) **ALUMINUM FLASHING CAP**
 - 20 GAUGE
 - PRE FINISHED POWDER COAT
 - PAINTED DARK GREY TO MATCH DOOR & WINDOW FRAMES

160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

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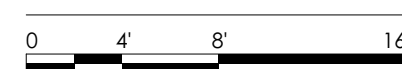
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160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

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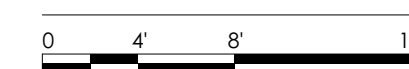
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BUILDING 2 WEST COLOR ELEVATION

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

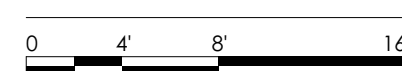
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BUILDING 1 WEST COLOR ELEVATION

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

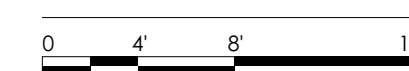
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BUILDING 2 EAST COLOR ELEVATION

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

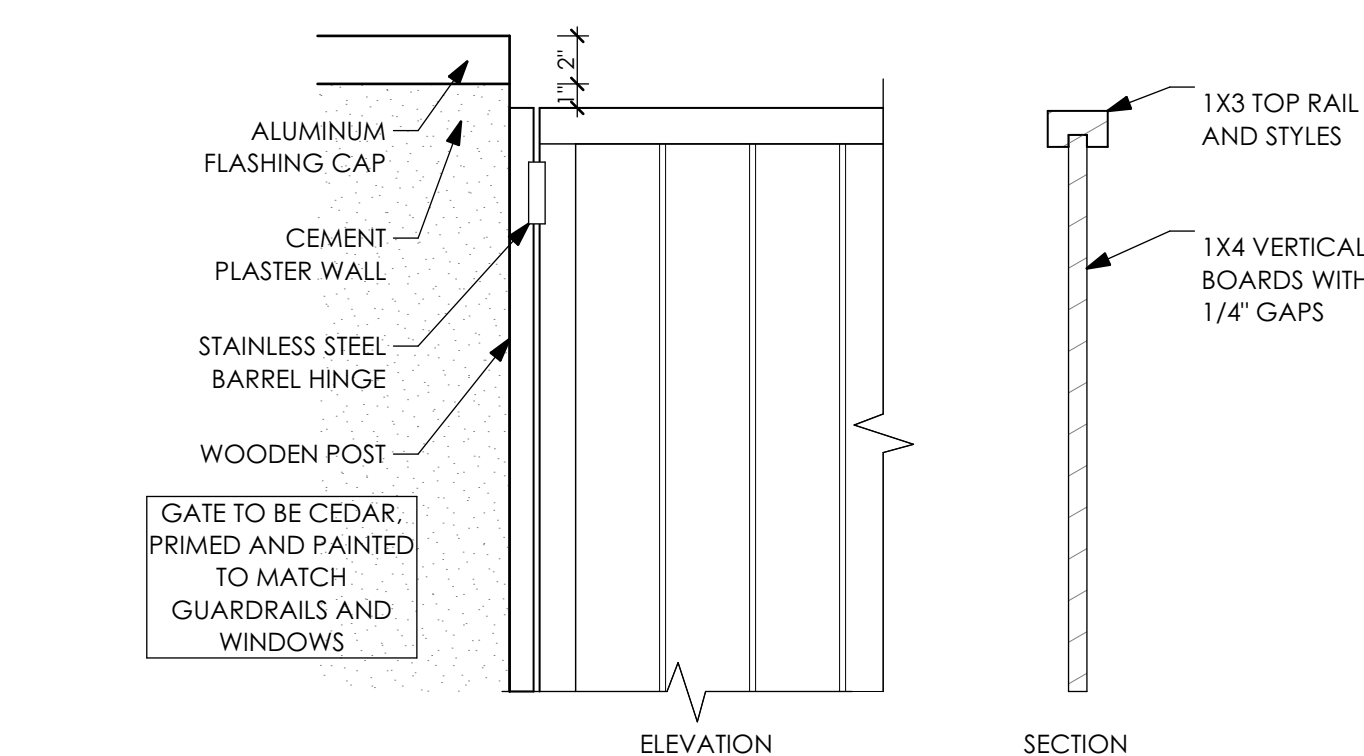
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BUILDING 1 EAST COLOR ELEVATION

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

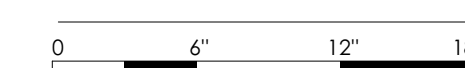
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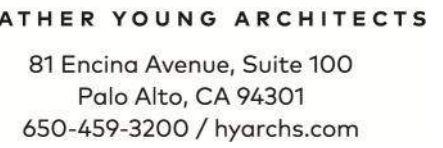


ENTRY GATE DETAIL

SCALE: 1 1/2" = 1'-0"

1





- 164 WAVERLEY
PALO ALTO, CA
94301

[illegible]

A-27

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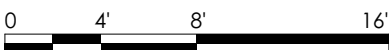
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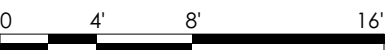
SCALE: 1/8" = 1'-0"

1



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

4



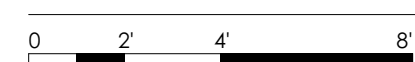
SCALE: 1/8" = 1'-0"

1

160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

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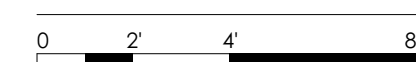
A-28



160 WAVERLEY - NORTH / SOUTH SECTION

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

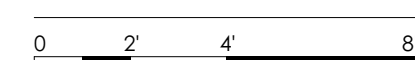
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160 WAVERLEY - NORTH / SOUTH SECTION

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

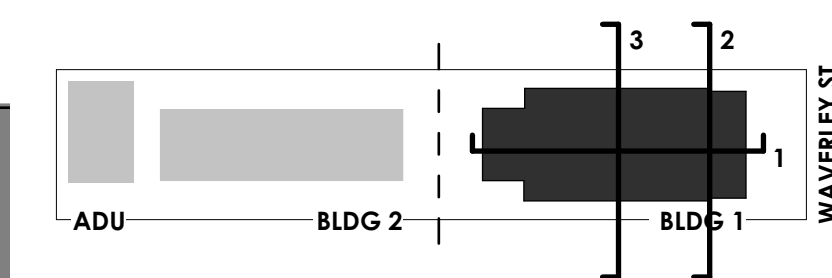
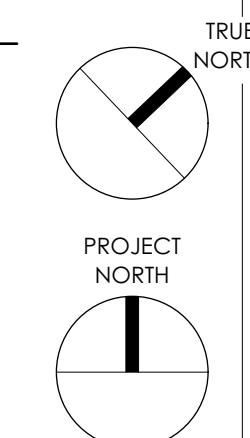
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160 WAVERLEY - EAST / WEST SECTION

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

1

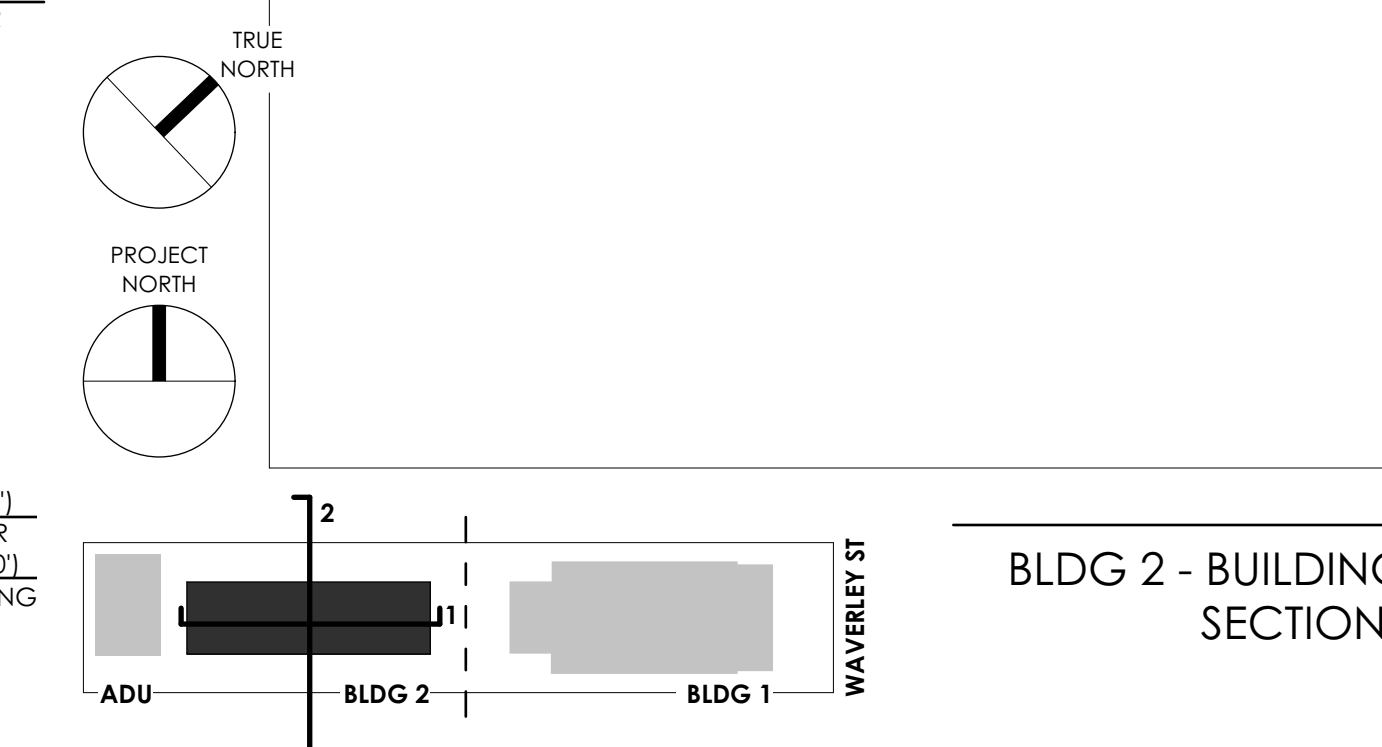
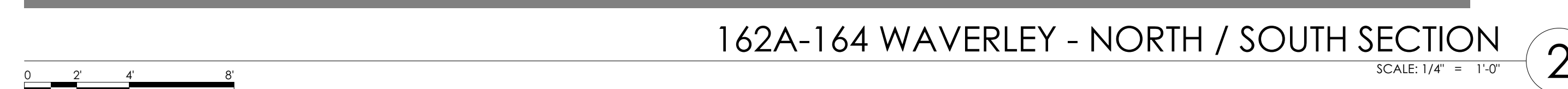


KEY PLAN

160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

[illegible]

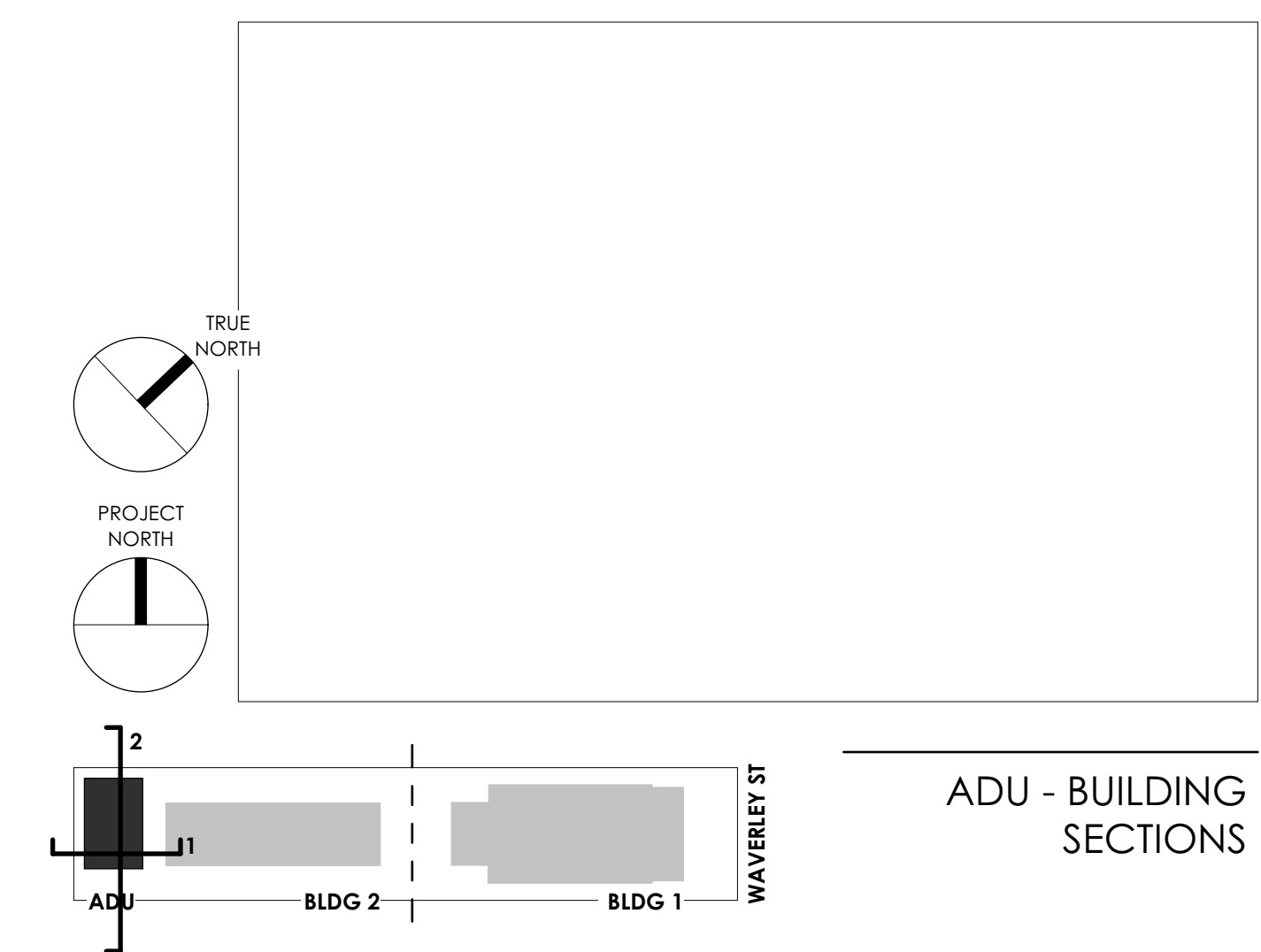
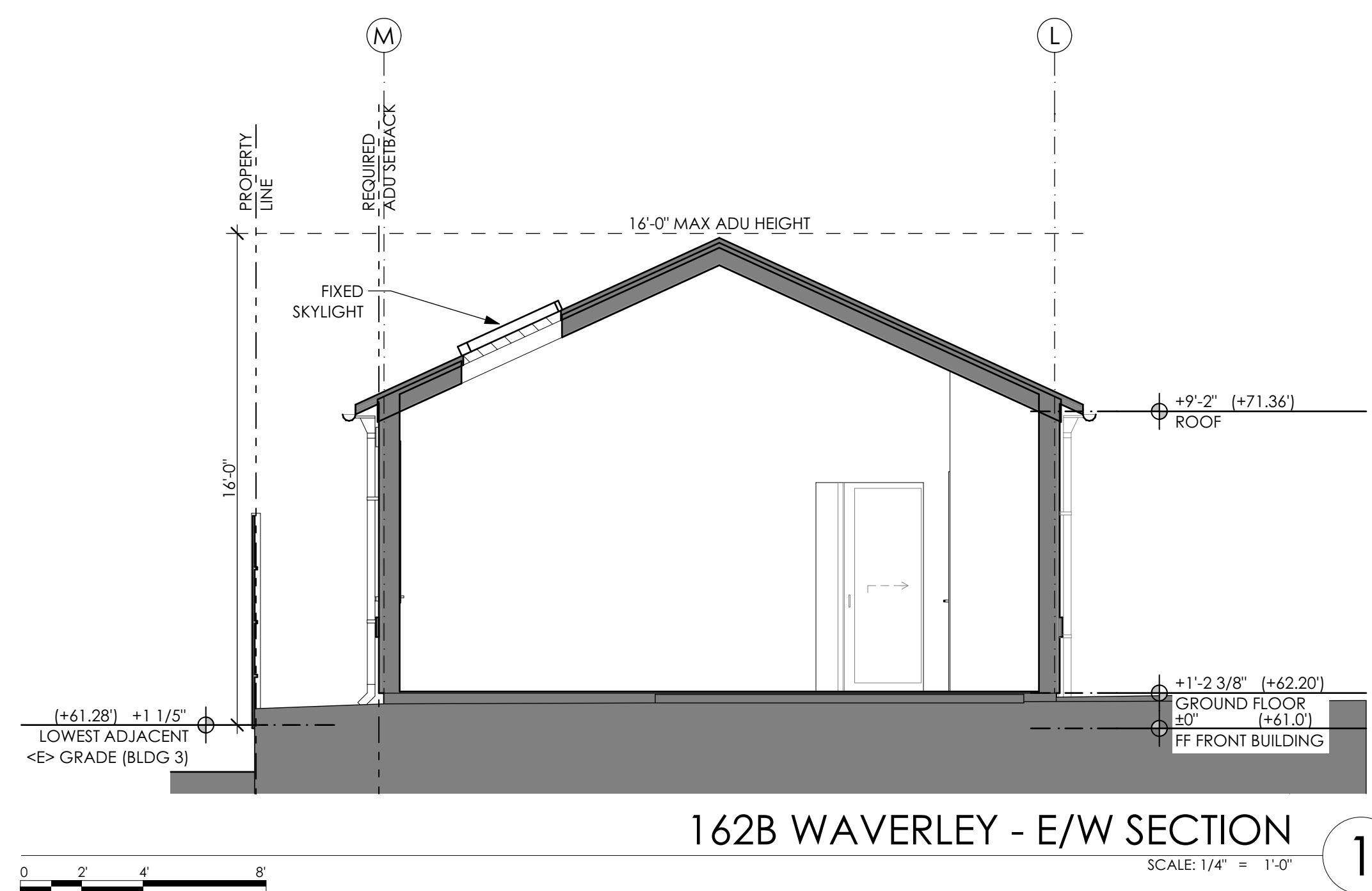
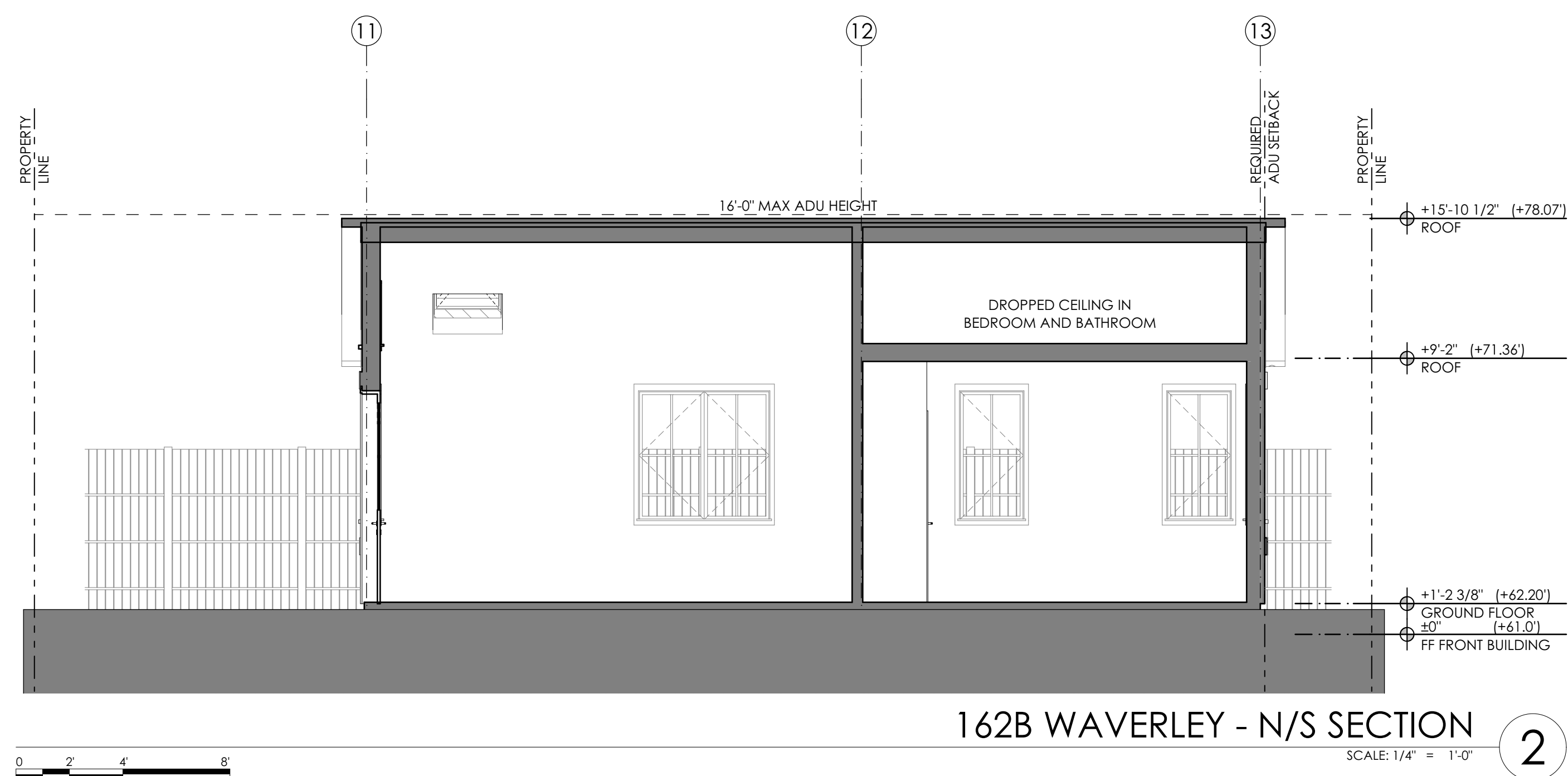
A-29

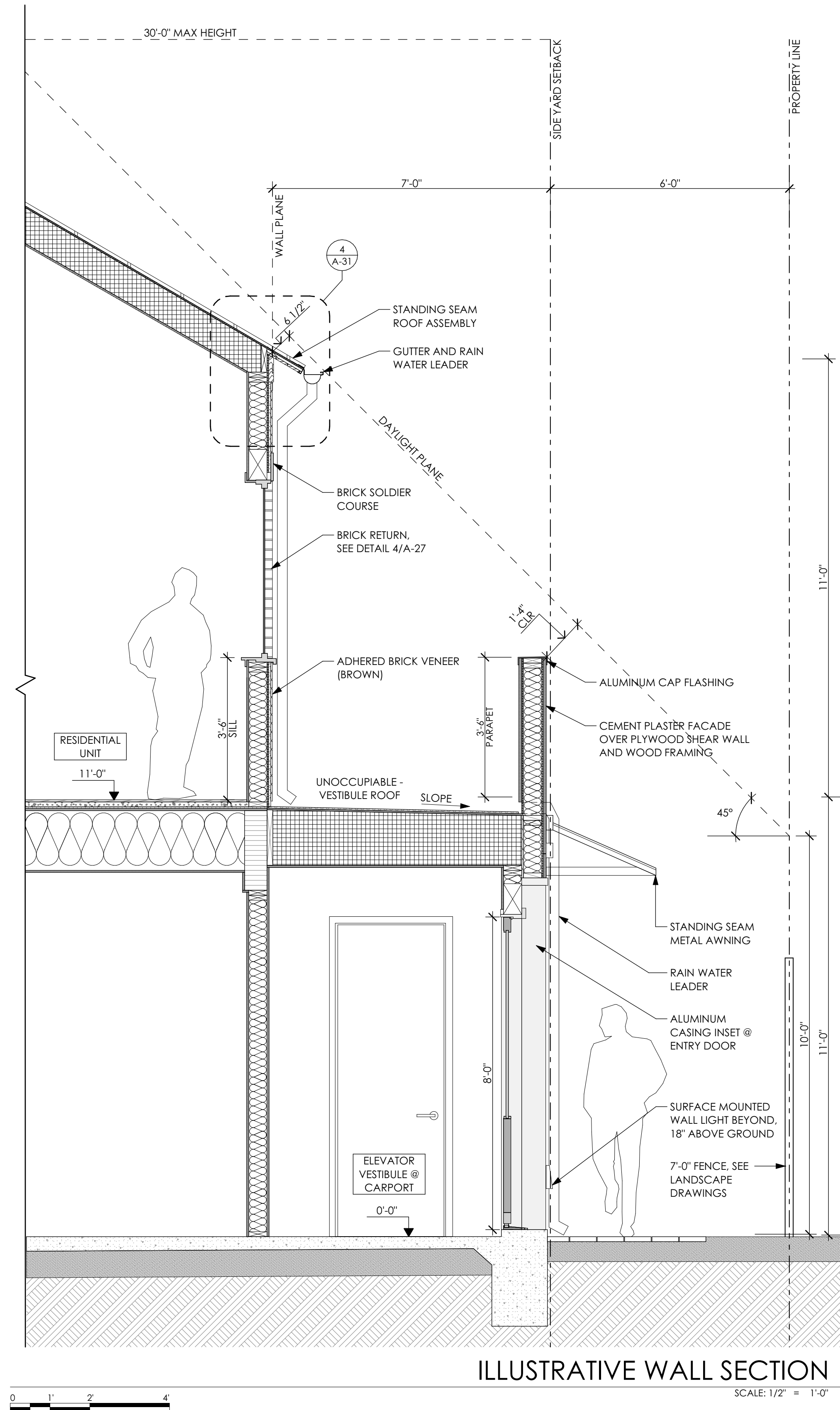
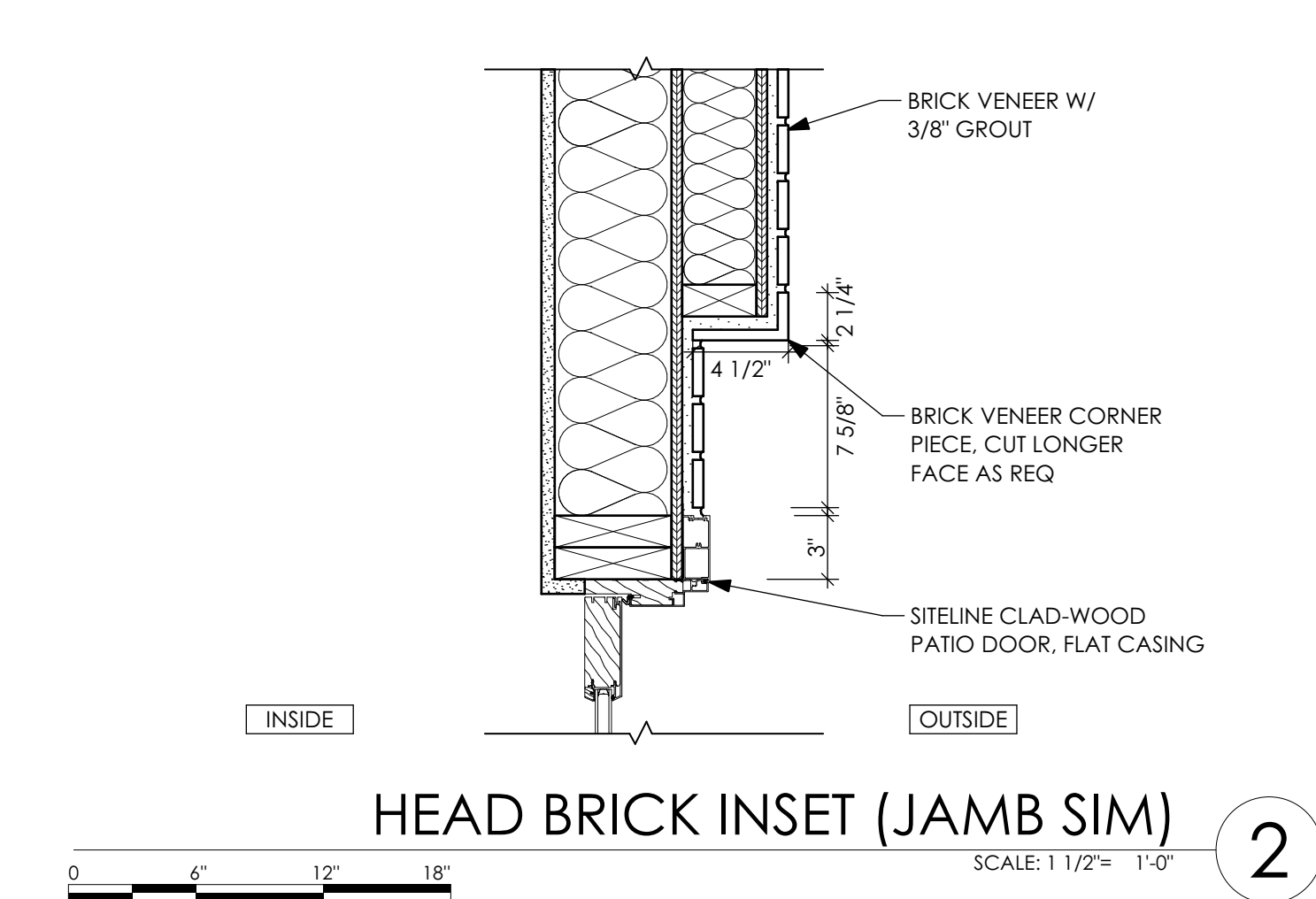


KEY PLAN

WAVERLEY
RESIDENCES

160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

[illegible]



7) AIR-IMPERMEABLE INSULATION ONLY. INSULATION SHALL BE APPLIED IN DIRECT CONTACT WITH THE UNDERSIDE OF THE STRUCTURAL ROOF SHEATHING.



160 - 164 WAVERLEY
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94301

[illegible]

A-32



4



3



2

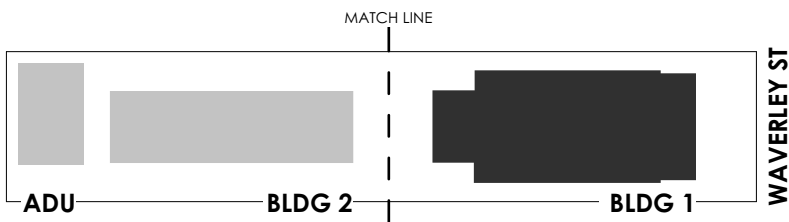
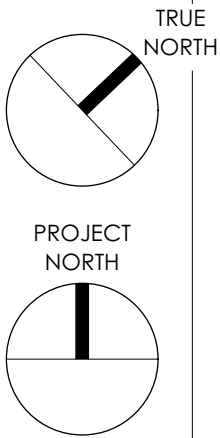


1

ISSUANCES		
REV	DATE	DESCRIPTION
	14 DEC 2020	ARB SUBMITTAL
	12 MAR 2021	ARB RESUBMITTAL
	06 MAY 2021	ARB RESUBMITTAL
	09 AUG 2021	ARB RESUBMITTAL
	10 OCT 2021	ARB RESUBMITTAL
	18 MAR 2022	ARB RESUBMITTAL



LUMINAIRE LIST			
INDEX	MANUFACTURER	FIXTURE ID	QUANTITY
A	BEGA	24008	10
B	BEGA	22215	17
C	BEGA	33344	8
E	BEGA	88673	13
F	BEGA	66655	4
G	KUZCO	EC44113	2
H	SENSCAPE	SPG18	10



BUILDING 1
SCALE: 3/16" = 1'-0"

1

KEY PLAN

SITE PHOTOMETRICS

A-33

160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

[illegible]

LED wall luminaires - two-sided light output

BEGA

Application

LED wall luminaires with directed narrow beam light distribution on two sides. Arranged individually or in groups, they are great design elements for a host of lighting applications.

Materials

Luminaire housing and facades constructed of die-cast marine grade, copper free (≤0.3% copper content) A360.0 aluminum alloy
Clear safety glass
Reflectors made of pure anodized aluminum
High temperature silicone gaskets
Mechanically captive stainless steel fasteners

NRTL listed to North American Standards, suitable for wet locations
Protection class IP65
Weight: 0.6 lbs

Electrical

Operating voltage 120-277V AC
Minimum start temperature -30° C
LED module wattage 24.2W
System wattage 28.0W
Controllability 0-10V dimmable
Color rendering index Ra > 80
Luminaire lumens 2,216 lumens (3000K)
Lifetime at Ta = 15° C 420,000 h (L70)
Lifetime at Ta = 35° C 275,000 h (L70)

LED color temperature

□ 4000K - Product number + **K4**
□ 3500K - Product number + **K35**
□ 3000K - Product number + **K3**
□ 2700K - Product number + **K27**

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish

All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

Available color: □ Black (BLK) □ White (WHT) □ RAL:
□ Bronze (BRZ) □ Silver (SLV) □ CUS:

Type:

BEGA Product:

Project:

Modified:

Available Accessories

□ **79547** Surface mounted wiring box
See individual accessory spec sheet for details.



BEGA

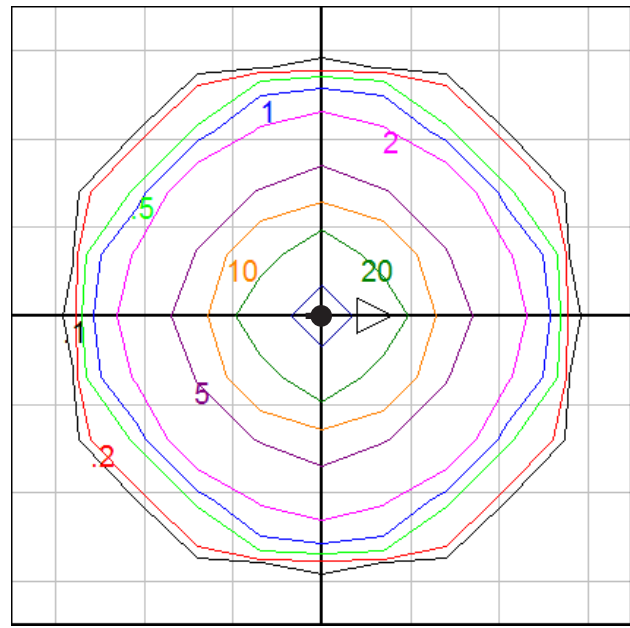
Photometric Filename: 24008.IES

TEST: BE_24008
TEST LAB: BEGA
DATE: 5/23/2017
LUMINAIRE: 24 008
LAMP: 24.2W LED

Characteristics	
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2235
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	30
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.26 ft (Diameter)
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	433.82
10-20	412.03
20-30	223.28
30-40	36.46
40-50	6.04
50-60	3.16
60-70	1.99
70-80	0.61
80-90	0.33
90-100	0.33
100-110	0.26 ft
110-120	1.99
120-130	3.16
130-140	6.04
140-150	36.46
150-160	223.28
160-170	412.03
170-180	433.82



Wall mount fixture - Isofootcandle grid on floor

Mounting Height = 10 ft. Grid Spacing = 2.5 ft.

In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

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2/7/2018

TYPE A | BEGA MODEL 24008

Wall luminaire - directed light

BEGA

Application

Wall luminaire with directed light. As individual luminaires with low mounting height, they can be used for marking danger areas or in rows for illuminating corridors and passageways. With high mounting heights they can be used as wall luminaires next to doors or for lighting small wall areas.

Materials

Luminaire housing constructed of die-cast marine grade, copper free (≤0.3% copper content) A360.0 aluminum alloy
Matte safety glass
High temperature silicone gasket
Mechanically captive stainless steel fasteners

NRTL listed to North American Standards, suitable for wet locations
Protection class IP65
Weight: 0.9 lbs

Electrical

Operating voltage 120-277V AC
Minimum start temperature -20° C
LED module wattage 2.1W
System wattage 3.0W
Controllability Dimming not available
Color rendering index Ra > 90
Luminaire lumens 172 lumens (4000K)
LED service life (L70) 60,000 hours

LED color temperature

□ 4000K - Product number + **K4**
□ 3500K - Product number + **K35**
□ 3000K - Product number + **K3**
□ 2700K - Product number + **K27**

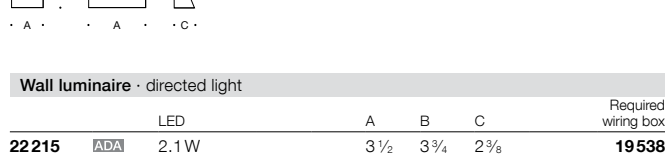
BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish

All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

Available color: □ Black (BLK) □ White (WHT) □ RAL:
□ Bronze (BRZ) □ Silver (SLV) □ CUS:

Wall luminaire - directed light



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BEGA

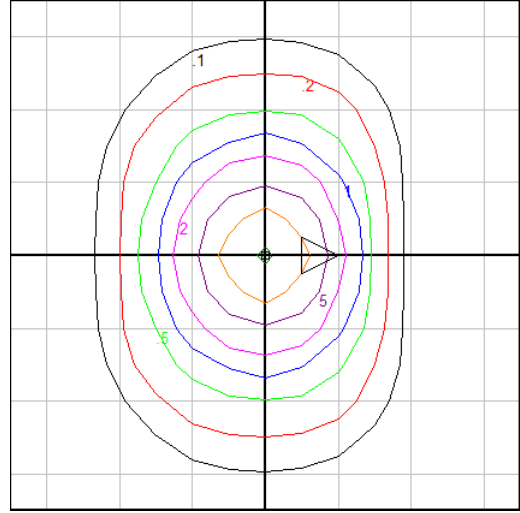
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TEST: BE22215
TEST LAB: BEGA
DATE: 8/18/2015
LUMINAIRE: 22 215
LAMP: 2.1W LED

Characteristics	
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	173
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.08
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.10 ft
Luminous Width (90-270)	0.26 ft
Luminous Height	0.00 ft
R9 Value	54.10

Zonal Lumen Summary

Zone	Lumens
0-10	8.26
10-20	23.19
20-30	33.47
30-40	36.38
40-50	31.68
50-60	22.07
60-70	12.27
70-80	4.99
80-90	0.80
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height = 2 ft. Grid Spacing = 2 ft.

In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

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7/1/2016

TYPE B | BEGA MODEL 22215

LED wall luminaire - shielded with output in two directions

BEGA

Application

This LED wall luminaire has a shielded light source with output in two directions. It is ideal for upward and downward lighting effects for interior and exterior locations. Arranged individually or in groups, this is a great design element for a host of lighting applications.

Materials

Luminaire housing constructed of die-cast marine grade, copper free (≤0.3% copper content) A360.0 aluminum alloy
Heavy pressed crystal glass with optical texture
High temperature silicone gasket
Mechanically captive stainless steel fasteners

NRTL listed to North American Standards, suitable for wet locations
Protection class IP65
Weight: 9.5 lbs

Electrical

Operating voltage 120-277V AC
Minimum start temperature -30° C
LED module wattage 11.8W
System wattage 14.9W
Controllability 0-10V dimmable
Color rendering index Ra > 80
Luminaire lumens 846 lumens (3000K)
Lifetime at Ta = 15° C >500,000 h (L70)
Lifetime at Ta = 35° C 369,000 h (L70)

LED color temperature

□ 4000K - Product number + **K4**
□ 3500K - Product number + **K35**
□ 3000K - Product number + **K3**
□ 2700K - Product number + **K27**

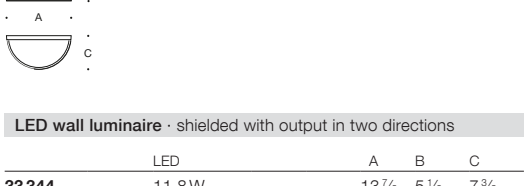
BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish

All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

Available color: □ Black (BLK) □ White (WHT) □ RAL:
□ Bronze (BRZ) □ Silver (SLV) □ CUS:

LED wall luminaire - shielded with output in two directions



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BEGA

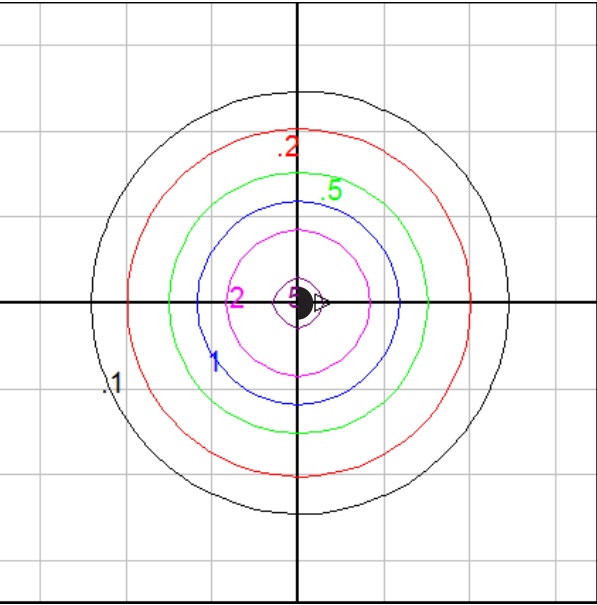
Photometric Filename: 33344.IES

TEST: BE_33344
TEST LAB: BEGA
DATE: 7/3/2017
LUMINAIRE: 33 344
LAMP: 11.8W LED

Characteristics	
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	846
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	14
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	1.05 ft
Luminous Height	0.00 ft

Zonal Lumen Summary

Zone	Lumens
0-10	14.20
10-20	40.65
20-30	61.62
30-40	74.47
40-50	77.43
50-60	69.83
60-70	52.29
70-80	27.57
80-90	5.13
90-100	5.13
100-110	27.57
110-120	52.29
120-130	69.83
130-140	77.43
140-150	74.47
150-160	61.62
160-170	40.65
170-180	14.20



Wall Mount - Isofootcandle grid on floor

Mounting Height = 5 ft. Grid Spacing = 5 ft.

In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

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4/20/2018

TYPE C | BEGA MODEL 33344

Recessed wall luminaire - directed light

BEGA

Application

Recessed wall luminaire with forward throw light distribution for the illumination of ground surfaces, stairs and pathways.

Materials

Luminaire housing and facades constructed of die-cast marine grade, copper free (≤0.3% copper content) A360.0 aluminum alloy
Clear safety glass
Silicone applied robotically to casting, plasma treated for increased adhesion
High temperature silicone gasket
Mechanically captive stainless steel fasteners

NRTL listed to North American Standards, suitable for wet locations
Protection class IP65
Weight: 2.1 lbs

Electrical

Operating voltage 120-277V AC
Minimum start temperature -40° C
LED module wattage 2.8W
System wattage 5.0W
Controllability 0-10V dimmable
Color rendering index Ra > 80
Luminaire lumens 321 lumens (4000K)
LED service life (L70) 50,000 hours

LED color temperature

□ 4000K - Product number + **K4**
□ 3500K - Product number + **K35**
□ 3000K - Product number + **K3**
□ 2700K - Product number + **K27**

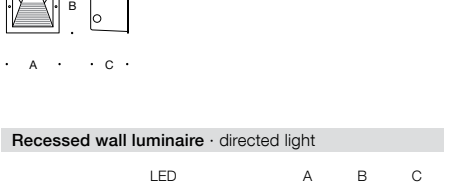
BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish

All BEGA standard finishes are matte, textured powder coat with minimum 3 mil thickness. BEGA Under® finish, a fluoropolymer technology, provides superior fade protection in Black, Bronze, and Silver. BEGA standard White, as well as optionally available RAL and custom colors, are a polyester powder.

Available color: □ Black (BLK) □ White (WHT) □ RAL:
□ Bronze (BRZ) □ Silver (SLV) □ CUS:

Recessed wall luminaire - directed light



BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com © copyright BEGA 2020 Updated 1/17/2020

BEGA

File: 24210K4_BEGA_IES.ies

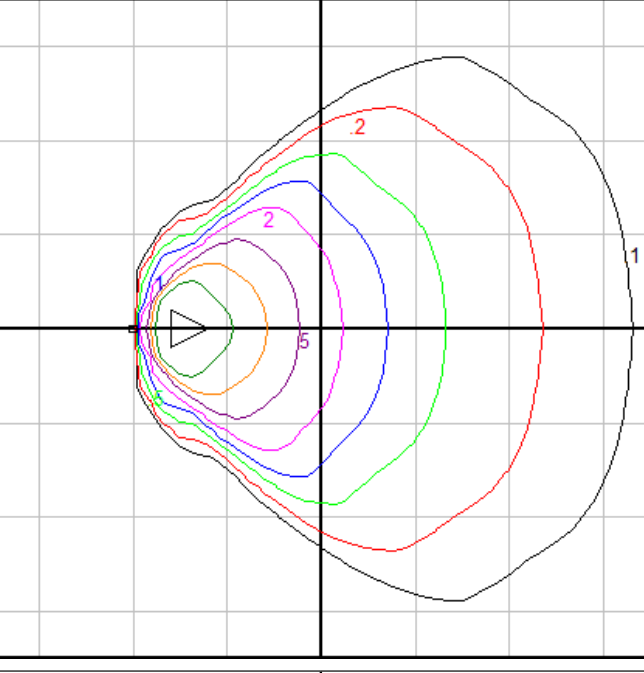
TEST: BE_24210K4
TEST LAB: BEGA
DATE: 3/1/2017
LUMINAIRE: 24 210K4
LAMP: 2.9W LED

Characteristics	
IES Classification	Very Short
Longitudinal Classification	N.A. (absolute)
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	321
Downward Total Efficiency	N.A.
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Max. Cd.	390.1 (0H, 65V)
Max. Cd. (<90 Vert.)	390.1 (0H, 65V)
Max. Cd. (At 90 Deg. Vert.)	28.9 (9.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	198.6 (61.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)	
LCS Zone	Lumens
FL (0-30)	7.2
FM (30-60)	139.7
FH (60-80)	139.6
FVH (80-90)	29.7
BL (0-30)	0.0
BM (30-60)	< 0.05
BH (60-80)	< 0.05
BVH (80-90)	0.0
UL (90-100)	2.7
UHL (100-180)	2.1
Total	321.0

BUG Rating

B0-U1-G1



Mounting Height: 1.5 ft. Grid Spacing: 2.5 ft.

In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2020

11/17/2020

TYPE D | BEGA MODEL 24210

hya

HEATHER YOUNG ARCHITECTS

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Palo Alto, CA 94301

650-459-3200 / hyarchs.com

WAVERLEY
RESIDENCES

160 - 164 WAVERLEY
ST, PALO ALTO, CA
94301

ISSUANCES

REV	DATE	DESCRIPTION
	12 MAR 2021	ARB RESUBMITTAL
	06 MAY 2021	ARB RESUBMITTAL
	09 AUG 2021	ARB RESUBMITTAL
	10 OCT 2021	ARB RESUBMITTAL
	18 MAR 2022	ARB RESUBMITTAL

LIGHT FIXTURES

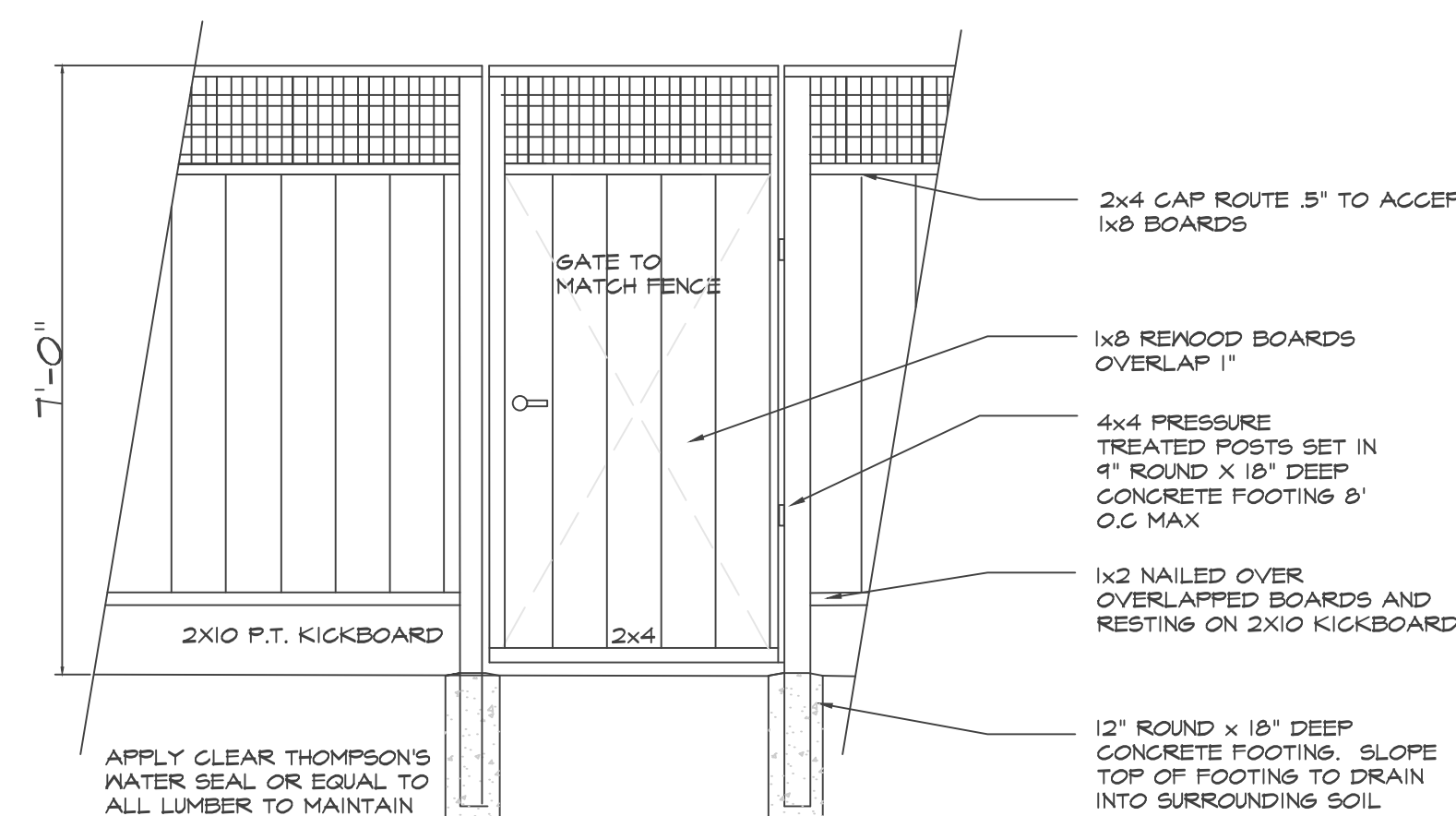
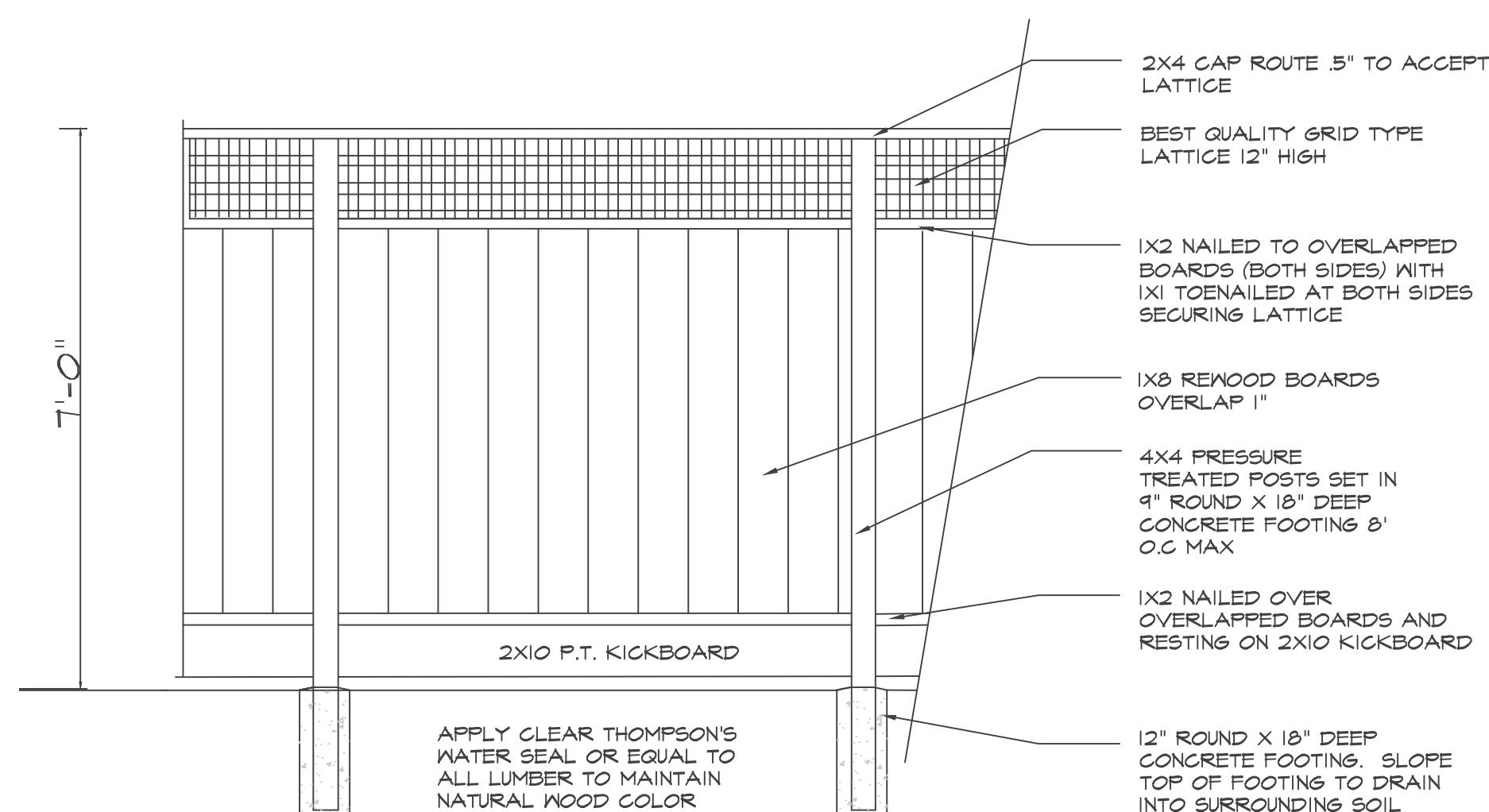
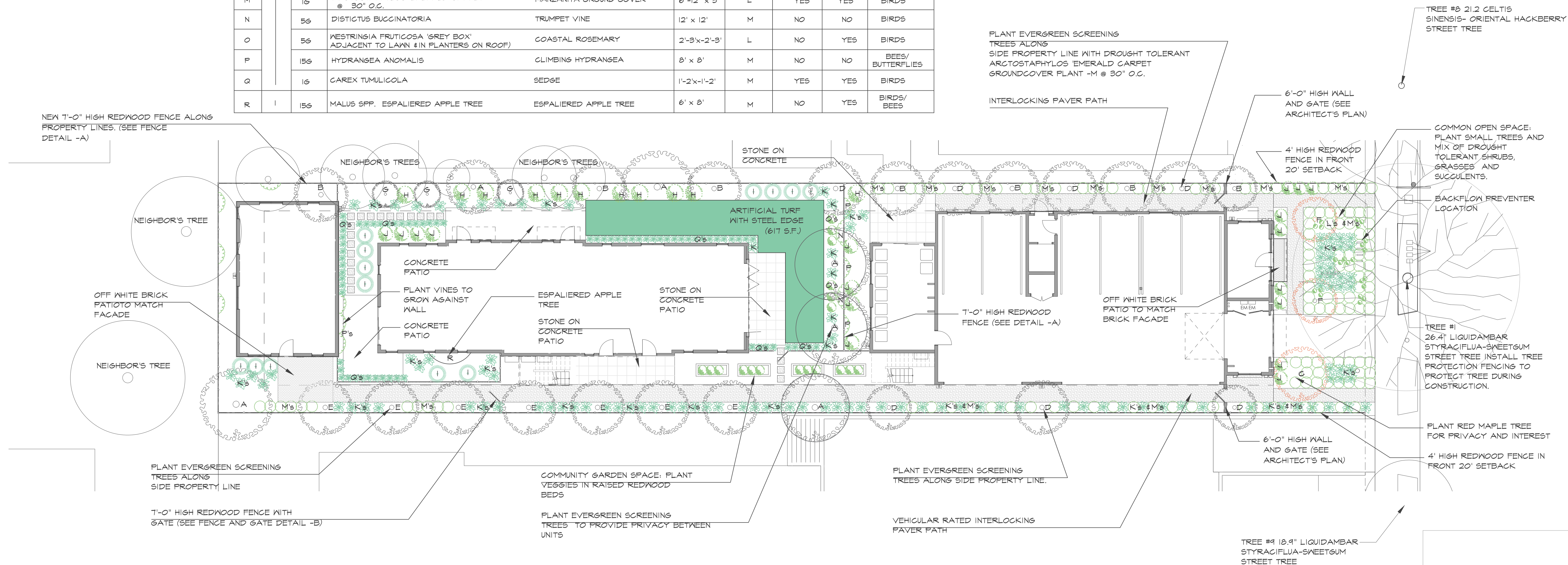
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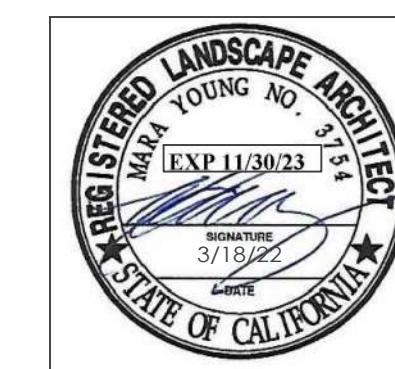
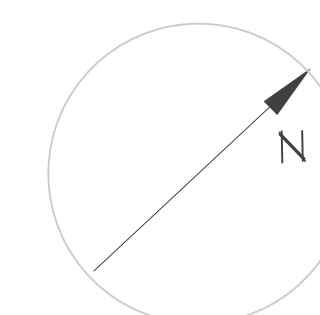
PLANT LIST										
#	QU.	SIZE	BOTANICAL NAME	COMMON NAME	HEIGHT x WIDTH	MOGOLS PLANT FACTOR	REGIONAL INDIGENOUS	DROUGHT RESISTANT	HABITAT FOR WILDLIFE	
A	6	36" BOX	CORNUS CAPITATA 'MOUNTAIN MOON'	EVERGREEN DOGWOOD	20' x 15'-20'	M	NO	NO	BIRDS	
B	7	24" BOX	MORELLO CALIFORNICA (MYRICA CALIFORNICA)	PACIFIC WAX MYRTLE (STD FORM)	30' x 10'-30'	M	YES	NO	BIRDS	
C	1	36" BOX	ACER RUBRUM 'RED OCTOBER GLORY'	RED MAPLE	20'x35' x 15'-25'	M	NO	NO	BIRDS BUTTERFLIES	
D	7	24" BOX	PODOCARPUS GRACILLIOR (TREE FORM)	FERN PINE (PRUNED TO 10' WIDE)	20'x40'x 20'	M	NO	NO	BIRDS	
E	7	24" BOX	LAURUS NOBILIS	BAY LAUREL	15'-40' x 15'-25'	L	NO	YES	BIRDS	
F	2	24" BOX	ACER CIRCINATUM (MULTI TRUNKED)	VINE MAPLE (MULTI TRUNK)	12' x 12'	M	YES	YES	BIRDS BUTTERFLIES	
G	3	15G	PITTSOPORUM 'SILVER SHEEN'	SILVER SHEEN PITTSOPORUM	8'x5'	M	NO	NO	BIRDS	
H	6	15G	CARPENTERIA CALIFORNICA 'ELIZABETH'	CALIFORNIA ANEMONE	4'-6"x4'-6'	M	YES	YES	BEES,BIRDS BUTTERFLIES	
I	AS SHOWN	5G	RHAMNUS 'SEA VIEW'	COFFEEBERRY	2'x6'	L	YES	YES	BEES BIRDS	
J		5G	RHAPHIOLEPIS UMBELLATA 'MINOR'	DWARF YEDDO HAWTHORN	3'-4' x 3'-4'	L-M	NO	YES	BIRDS BUTTERFLIES	
K		1G	LOMONDRA 'BREEZE'	MATT RUSH	2'-3' x 3'	L	NO	YES	BIRDS	
L		1G	AEONIUM ARBOREUM	AEONIUM (SUCCULENT)	1'-6" x 1'	L	NO	YES	BIRDS	
M		1G	ARCTOSTAPHYLOS 'EMERALD CARPET' @ 30" O.C.	MANZANITA GROUND COVER	6'-12" x 3'	L	YES	YES	BIRDS	
N		5G	DISTICTUS BUCCINATORIA	TRUMPET VINE	12' x 12'	M	NO	NO	BIRDS	
O		5G	WESTRINGIA FRUTICOSA 'GREY BOX' ADJACENT TO LAWN & IN PLANTERS ON ROOF)	COASTAL ROSEMARY	2'-3'x-2'-3'	L	NO	YES	BIRDS	
P		15G	HYDRANGEA ANOMALIS	CLIMBING HYDRANGEA	8' x 8'	M	NO	NO	BEES/ BUTTERFLIES	
Q	1G	CAREX TUMULICOLA	SEDGE	1'-2'x1'-2'	M	YES	YES	BIRDS		
R	1	15G	MALUS SPP. ESPALIERED APPLE TREE	ESPALIERED APPLE TREE	6' x 8'	M	NO	YES	BIRDS/ BEES	

THE PLANTING DESIGN INTENT IS TO COMPLIMENT THE ARCHITECTURE AND TO PROVIDE AN INTERESTING AND PLEASANT OUTDOOR ENVIRONMENT. I HAVE TAKEN SPECIAL CARE TO PROVIDE ADEQUATE EVERGREEN PRIVACY SCREENING BETWEEN THE NEW DWELLINGS AND BETWEEN THE PROJECT SITE AND THE NEIGHBORING PROPERTIES. HIGH WATER USE LAWN AREAS ARE MINIMAL AND LIMITED TO AREAS OF ACTIVE PLAY. THE PLANTING DESIGN PRIMARILY UTILIZES LOW TO MODERATE WATER USE PLANTS AND FOLLOWS THE GUIDELINES OF THE STATE WATER EFFICIENT LANDSCAPE ORDINANCE (MELO)

IRRIGATION DESIGN INTENT THE IRRIGATION SYSTEM WILL BE FULLY AUTOMATIC. SPRAY IRRIGATION WILL BE USED ONLY FOR LAWN AREAS AND WILL UTILIZE MATCHED PRECIPITATION SPRAY HEADS FOR MAXIMUM WATER CONSERVATION. THE REMAINDER OF THE PLANTING AREAS WILL BE IRRIGATED USING WATER EFFICIENT DRIP IRRIGATION AND COMPLY WITH THE GUIDELINES OF THE STATE WATER EFFICIENT LANDSCAPE ORDINANCE (MELO)



TYPICAL REDWOOD FENCE IMAGE
NOTE: LATTICE SHALL BE IN A HORIZONTAL
VERTICAL GRID AS PER DETAILS A AND B



hya

HEATHER YOUNG ARCHITECTS

81 Encina Avenue, Suite 100
Palo Alto, CA 94301
650-459-3200 / hyarchs.com

MARA YOUNG
LANDSCAPE ARCHITECT
CAL. LICENSE # 3754
PHONE:(650) 704-9255
www.marayoung.com

WAVERLEY
RESIDENCES

160-164 WAVERLEY ST.
PALO ALTO, CA 94301

[illegible]

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

LANDSCAPE PLAN

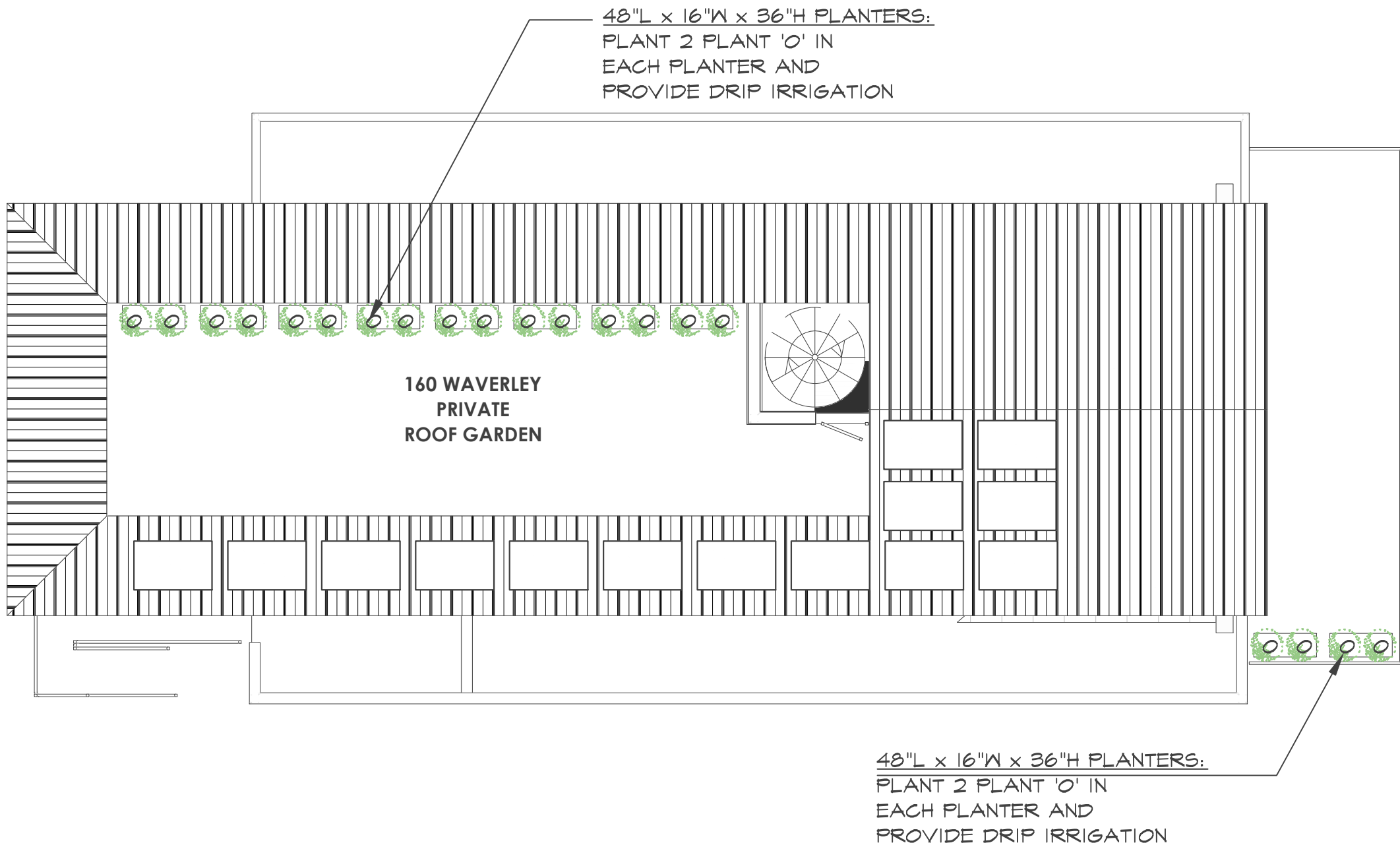
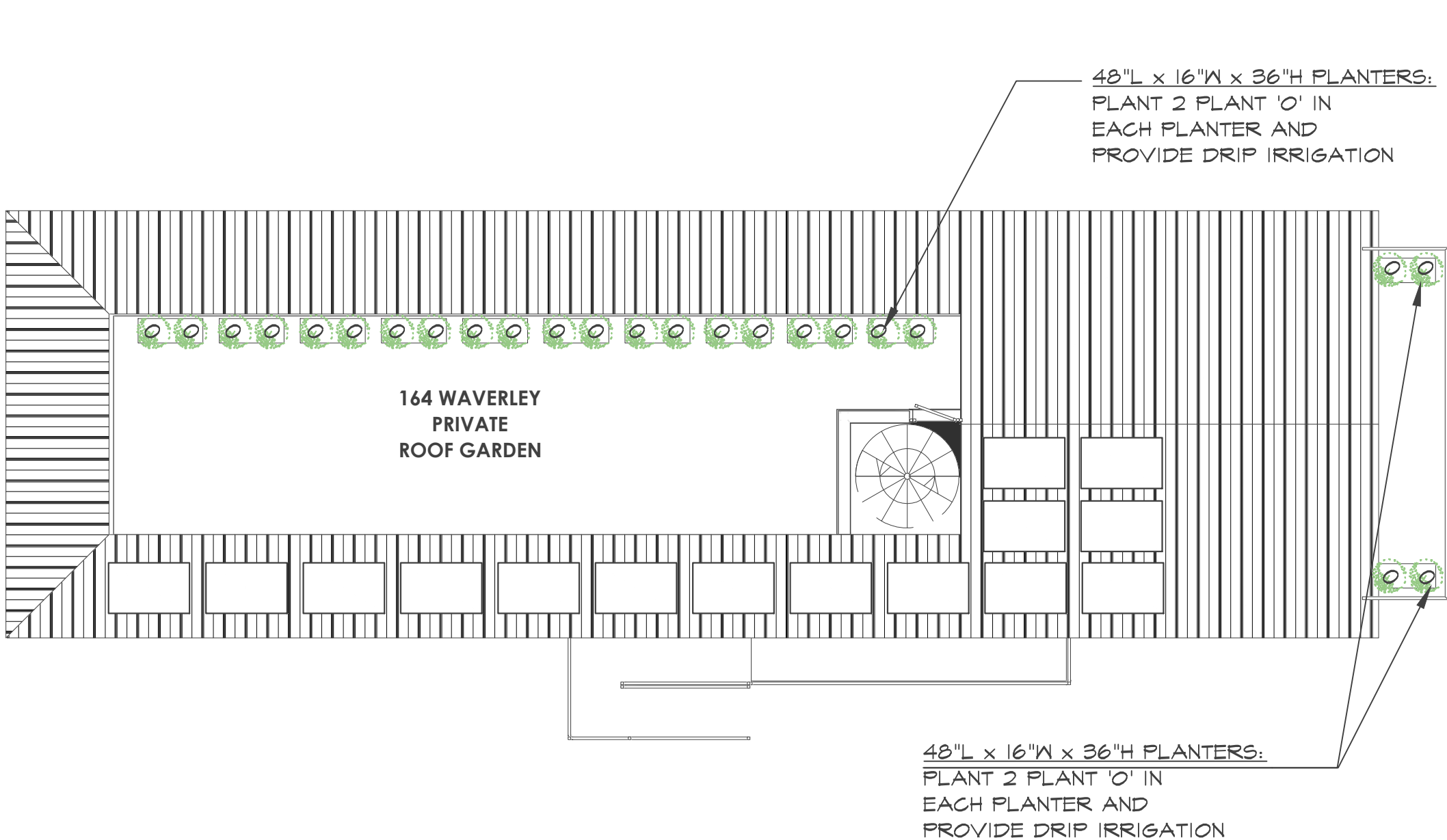
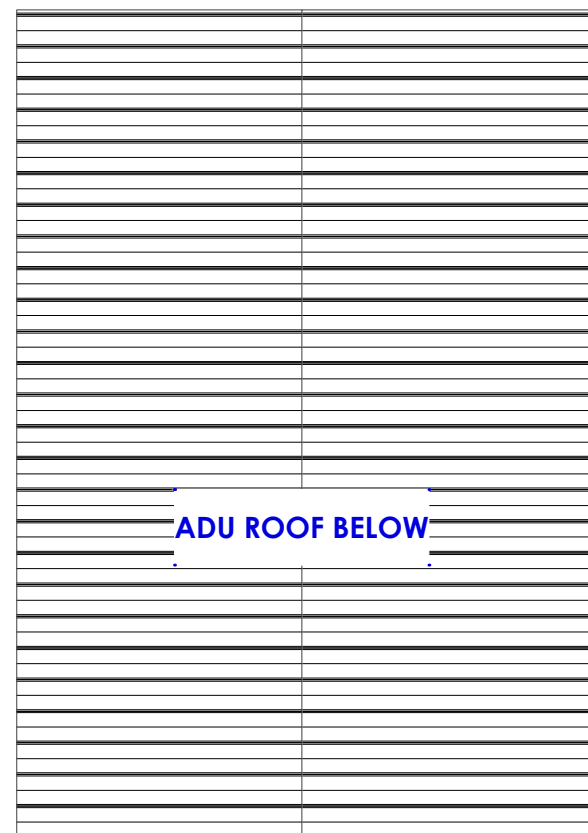
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PLANT LIST									
#	QU.	SIZE	BOTANICAL NAME	COMMON NAME	HEIGHT x WIDTH	WOCOLS PLANT FACTOR	REGIONAL INDIGENOUS	DROUGHT RESISTANT	HABITAT FOR WILDLIFE
A	6	36" BOX	CORNUS CAPITATA 'MOUNTAIN MOON'	EVERGREEN DOGWOOD	20' x 15'-20'	M	NO	NO	BIRDS
B	7	24" BOX	MORELLO CALIFORNICA (MYRICA CALIFORNICA)	PACIFIC WAX MYRTLE (STD FORM)	30' x 10'-30'	M	YES	NO	BIRDS
C	1	36" BOX	ACER RUBRUM 'RED OCTOBER GLORY'	RED MAPLE	20'x35' x 15'-25'	M	NO	NO	BIRDS BUTTERFLIES
D	7	24" BOX	PODOCARPUS GRACILLIOR (TREE FORM)	FERN PINE (PRUNED TO 10' WIDE)	20'x40'x 20'	M	NO	NO	BIRDS
E	7	24" BOX	LAURUS NOBILIS	BAY LAUREL	15'-40' x 15'-25'	L	NO	YES	BIRDS
F	2	24" BOX	ACER CIRCINATUM (MULTI TRUNKED)	VINE MAPLE (MULTI TRUNK)	12' x 12'	M	YES	YES	BIRDS BUTTERFLIES
G	3	15G	PITTOSPORUM 'SILVER SHEEN'	SILVER SHEEN PITTOSPORUM	8'x5'	M	NO	NO	BIRDS
H	6	15G	CARPENTERIA CALIFORNICA 'ELIZABETH'	CALIFORNIA ANEMONE	4'-6'x4'-6'	M	YES	YES	BEEs,BIRDS BUTTERFLIES
I	AS SHOWN	5G	RHAMNUS 'SEA VIEW'	COFFEEBERRY	2'x6'	L	YES	YES	BEEs BIRDS
J		5G	RHAPHIOLEPIS UMBELLATA 'MINOR'	DWARF YEDDO HAWTHORN	3'-4' x 3'-4'	L-M	NO	YES	BIRDS BUTTERFLIES
K		1G	LOMONDRA 'BREEZE'	MATT RUSH	2'-3' x 3'	L	NO	YES	BIRDS
L		1G	AEONIUM ARBOREUM	AEONIUM (SUCCULENT)	1'-6" x 1'	L	NO	YES	BIRDS
M		1G	ARGTOSTAPHYLOS 'EMERALD CARPET' ® 30" O.C.	MANZANITA GROUND COVER	6"-12" x 3'	L	YES	YES	BIRDS
N		5G	DISTICTUS BUCCINATORIA	TRUMPET VINE	12' x 12'	M	NO	NO	BIRDS
O		5G	WESTRINGIA FRUTICOSA 'GREY BOX' ADJACENT TO LAWN & IN PLANTERS ON ROOF)	COASTAL ROSEMARY	2'-3'x-2'-3'	L	NO	YES	BIRDS
P		15G	HYDRANGEA ANOMALIS	CLIMBING HYDRANGEA	8' x 8'	M	NO	NO	BEEs/ BUTTERFLIES
Q		1G	CAREX TUMULICOLA	SEDGE	1'-2'x-1'-2'	M	YES	YES	BIRDS
R	I	15G	MALUS SPP. ESPALIERED APPLE TREE	ESPALIERED APPLE TREE	6' x 8'	M	NO	YES	BIRDS/ BEEs

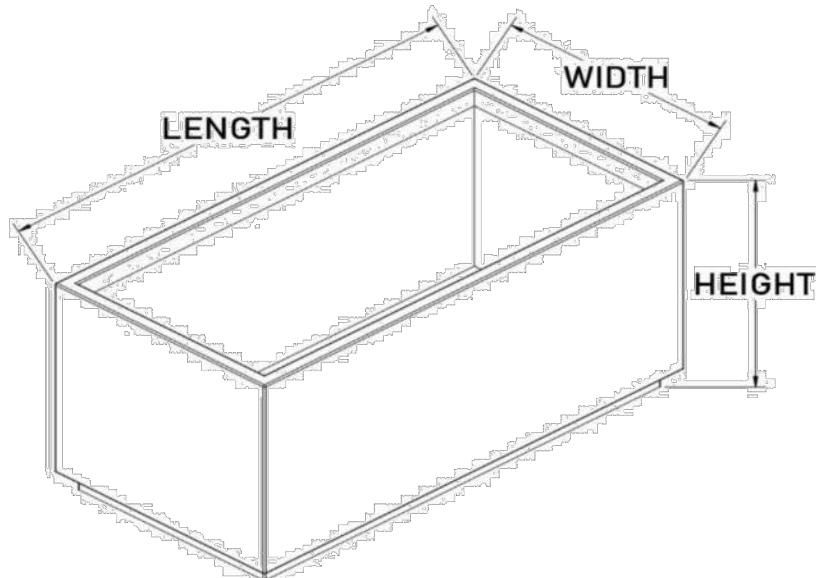


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[illegible]

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

CHANDLER *Rectangular Planter*



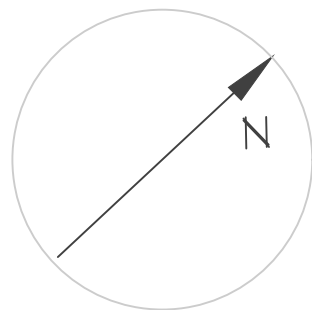
The image displays the Chandler Rectangular Planter, a long, low, tan-colored box with a dark base. The planter is shown in a photograph and a 3D perspective diagram. The photograph shows the planter against a light-colored brick wall. The 3D diagram labels the dimensions: LENGTH, WIDTH, and HEIGHT. A technical drawing of the planter is also included, showing the top and side views with dimensions.

CHANDLER RECTANGULAR PLANTERS

SIZE:

48" LONG x 16" WIDE x 36" HIGH

COLOR: DARK TAN





PLANT LIST									
#	QU.	SIZE	BOTANICAL NAME	COMMON NAME	HEIGHT x WIDTH	WOCOLS PLANT FACTOR	REGIONAL INDIGENOUS	DROUGHT RESISTANT	HABITAT FOR WILDLIFE
A	6	36" BOX	CORNUS CAPITATA 'MOUNTAIN MOON'	EVERGREEN DOGWOOD	20" x 15'-20'	M	NO	NO	BIRDS
B	7	24" BOX	MORELLO CALIFORNICA (MYRICA CALIFORNICA)	PACIFIC MAX MYRTLE (STD FORM)	30" x 10'-30'	M	YES	NO	BIRDS
C	1	36" BOX	ACER RUBRUM 'RED OCTOBER GLORY'	RED MAPLE	20"x35" x 15'-25'	M	NO	NO	BIRDS BUTTERFLIES
D	7	24" BOX	PODOCARPUS GRACILLIOR (TREE FORM)	FERN PINE (PRUNED TO 10' WIDE)	20"x40" x 20'	M	NO	NO	BIRDS
E	7	24" BOX	LAURUS NOBILIS	BAY LAUREL	15'-40" x 15'-25'	L	NO	YES	BIRDS
F	2	24" BOX	ACER CIRCINATUM (MULTI TRUNKED)	VINE MAPLE (MULTI TRUNK)	12' x 12'	M	YES	YES	BIRDS BUTTERFLIES
G	3	15G	PITTIOSPORUM 'SILVER SHEEN'	SILVER SHEEN PITTIOSPORUM	8'x5'	M	NO	NO	BIRDS
H	6	15G	CARPENTERIA CALIFORNICA 'ELIZABETH'	CALIFORNIA ANEMONE	4'-6"x4'-6'	M	YES	YES	BEES,BIRDS BUTTERFLIES
I	AS SHOWN	5G	RHAMNUS 'SEA VIEW'	COFFEEBERRY	2'x6'	L	YES	YES	BEES BIRDS
J		5G	RHAPHIOLEPIS UMBELLATA 'MINOR'	DWARF YEDDO HAWTHORN	3'-4" x 3'-4"	L-M	NO	YES	BIRDS BUTTERFLIES
K		1G	LOMONDRA 'BREEZE'	MATT RUSH	2'-3' x 3'	L	NO	YES	BIRDS
L		1G	AEONIUM ARBOREUM	AEONIUM (SUCCULENT)	1'-6" x 1'	L	NO	YES	BIRDS
M		1G	ARGOSTOPHYLOS 'EMERALD CARPET' @ 30" OC.	MANZANITA GROUND COVER	6"-12" x 3'	L	YES	YES	BIRDS
N		5G	DISTICTUS BUCCINATORIA	TRUMPET VINE	12' x 12'	M	NO	NO	BIRDS
O		5G	WESTRINGIA FRUTICOSA 'GREY BOX' ADJACENT TO LAWN #IN PLANTERS ON ROOF)	COASTAL ROSEMARY	2'-3"x-2'-3'	L	NO	YES	BIRDS
P		15G	HYDRANGEA ANOMALIS	CLIMBING HYDRANGEA	8' x 8'	M	NO	NO	BEES/ BUTTERFLIES
Q		1G	CAREX TUMULICOLA	SEDGE	1'-2"x-1'-2'	M	YES	YES	BIRDS
R	1	15G	MALUS SPP. ESPALIERED APPLE TREE	ESPALIERED APPLE TREE	6' x 8'	M	NO	YES	BIRDS/ BEES



A large, dense bush of white flowers, likely a hydrangea, growing against a wooden lattice fence. The flowers are in full bloom, creating a thick wall of white against the green leaves. The wooden lattice is visible in the background, and the overall scene is a lush garden setting.



21 - 885 College Ave 10/19/2018 at 10:37 AM