

SITE ANALYSIS DIAGRAM



AERIAL LOOKING NORTH



AERIAL LOOKING SOUTH

1. Proposal

The site combines two lots on the corner of 36th Ave. S and S. Charlestown Street. There are currently two existing Single Family Residences on the site. The applicant proposes to demolish the existing homes and develop the site as three Single Family Residences and two Duplex Townhomes.

Key Metrics:

- . **Lot size:** 4,079 SF (each lot) X 2 = 8,158 SF
- . **Building Footprint:**
 - SFR TOTAL FOOTPRINT: 1,606 SF (UNITS 1-3)
 - TH TOTAL FOOTPRINT: 1,996 SF (UNITS 4-7)
 - TOTAL FOOTPRINT: 3,602 SF
 - 1,606 SF/3,602 SF = 45% SFR
 - 1,996 SF/3,602 SF = 55% TOWNHOUSE
- . **FAR Calculation:**
 - 8,158*45% = 3,508 SF x 1.1 = 4,038 SF SFR ALLOWED; 3,969 SF PROPOSED (Units 1-3)
 - 8,158*55% = 4,487 SF x 1.2 = 5,384 SF TH ALLOWED; 5,165 SF PROPOSED (Units 4-7)
- . **Structure Height:** 30' + 4' Butterfly Roof Allowance
- . **Units:** 7
- . **Parking Stalls:** 7

2. Analysis of Context:

The structures to the west, north, and east of the site consist of a mix of single family residences and multifamily residences between 3 and 4 stories. To the south across South Charlestown Street is a commercial zone with a Safeway Grocery Store.

3. Existing Site Conditions:

A drawing of existing site conditions, indicating topography and other physical features and location of structures and prominent landscape elements on the site can be found on page 7.

4. Site Plan:

A preliminary site plan including proposed structures, open spaces, and vehicular circulation can be found on page 8. A preliminary landscape plan can be found on page 9.

5. Design Guidelines:

See page 5 for design guidelines.

6. Architectural Concept:

This project bridges the commercial and residential portions of this neighborhood. Its massing reflects the increasing residential density of the neighborhood; while internal walkways and amenity areas preserve the residential feeling. Entry bays and awnings modulate the street façades and are accented by a rational glazing rhythm that implies the transition from the residential to the commercial zones.

7. Setbacks and Structure width:

SMC 23.45.518 Setbacks and Separations

	<u>Required</u>	<u>Provided</u>	<u>% Difference</u>
Front:	7' average; 5' minimum	7'-0"	Compliant
Sides:	5'	5'	Compliant
Rear:	7' average; 5' minimum	20'-0"	Compliant

SMC 23.45.527 Structure width and facade length limits in LR zones

SMC 23.45.527: The maximum combined length of all portions of facades within 15 feet of a lot line that is neither a rear lot line nor a street or alley lot line shall not exceed 65 percent of the length of that lot line, except as specified in subsection 23.45.527.B.2

Required: 102' x 65% = 66.3'

Proposed: 65.0' north



36th Avenue South (looking East)



South Charlestown Street (looking North)



Alley (Looking West)



36th Avenue South (looking West)



South Charlestown Avenue (Looking South)



Alley (Looking East)

DESIGN GUIDELINES

Site Planning

A-1 Responding to Site Characteristics

This design takes advantage of the relatively flat site by incorporating at grade private yards and placing public living spaces on the ground floor along 36th Avenue South and South Charlestown street.

A-2 Streetscape Compatibility

This project maintains the existing setback for this property; and, the rhythm of façade elements along 36th Avenue South is in keeping with neighboring project to the north. The Façades along South Charlestown Street are more varied to mediate between the commercial zone to the south and the single family character to the east.

A-3 Entrances Visible from the Street

Four entries are visible directly from the street are articulated with façade modulation and awnings. The three remaining entries are accessed through a prominent shared pathway along South Charlestown Street and their entries are marked with awnings.

A-5 Respect for Adjacent Sites

Windows on the new units are staggered so as not to provide direct views into windows of the neighboring buildings to the north. The adjacent properties to the west, south and east are across a street or alley; so, because privacy is not a concern, window and decks were placed to create a sense of open engagement with the neighborhood.

A-6 Transition between residence and Street

Placing public living spaces on the ground floor encourages neighborhood interaction; while, thoughtful landscaping buffers provide some privacy. A landscaped walkway provides pleasant circulation from South Charlestown Street to the rear units and private fenced yards.

A-7 Residential Open Space

Each unit has a combination of private yard, a private deck, or yards facing the street. A landscaped common pathway connects units to alley parking and provides space for social interaction among neighbors.

A-8 Parking and Vehicle Access

Open parking stalls are provided off the alley. The parking is screened from the street by fins supporting one building and by thoughtful plantings along South Charlestown Street.

Height Bulk and Scale

B-1 Height and Scale Compatibility

The height and scale of this project is in keeping with the neighborhood. existing single family residence the scale is in keeping with the street as a whole. Neighboring apartment meet or exceed the height we are proposing for this site.

Architectural Elements and Materials

C-2 Architectural Concept and Compatibility

The overall massing of the project features the contemporary massing softened with decks, articulated recessed entries, and butterfly roofs. This strategy at maximizes density while maintaining connection to the street and clearly indicates the residential nature of the buildings.



C-4 Exterior Finish Materials

A well balanced palette of stained wood siding, concrete, painted lapped cementitious siding and carefully detailed cementitious panels provides a durable and harmonious structure. The use of painted lapped siding ties in with the older single family residential character; while, the addition of stained wood and cementitious panels creates a balance of scales and relates to the modern project to the north.

Landscaping

D-6 Screening of Dumpsters, Utilities and Service Areas

The trash and recycling area will be located between the two duplex buildings with easy access to the alley. This will be adjacent to properties parking and trash collection areas.

D-8 Treatment of Alley

The alley will be activated by the landscaped communal walkway access to parking. It will be well lit and have landscaped to improve the overall safety and appearance of the alley.

D-12 Residential Entries and Transitions

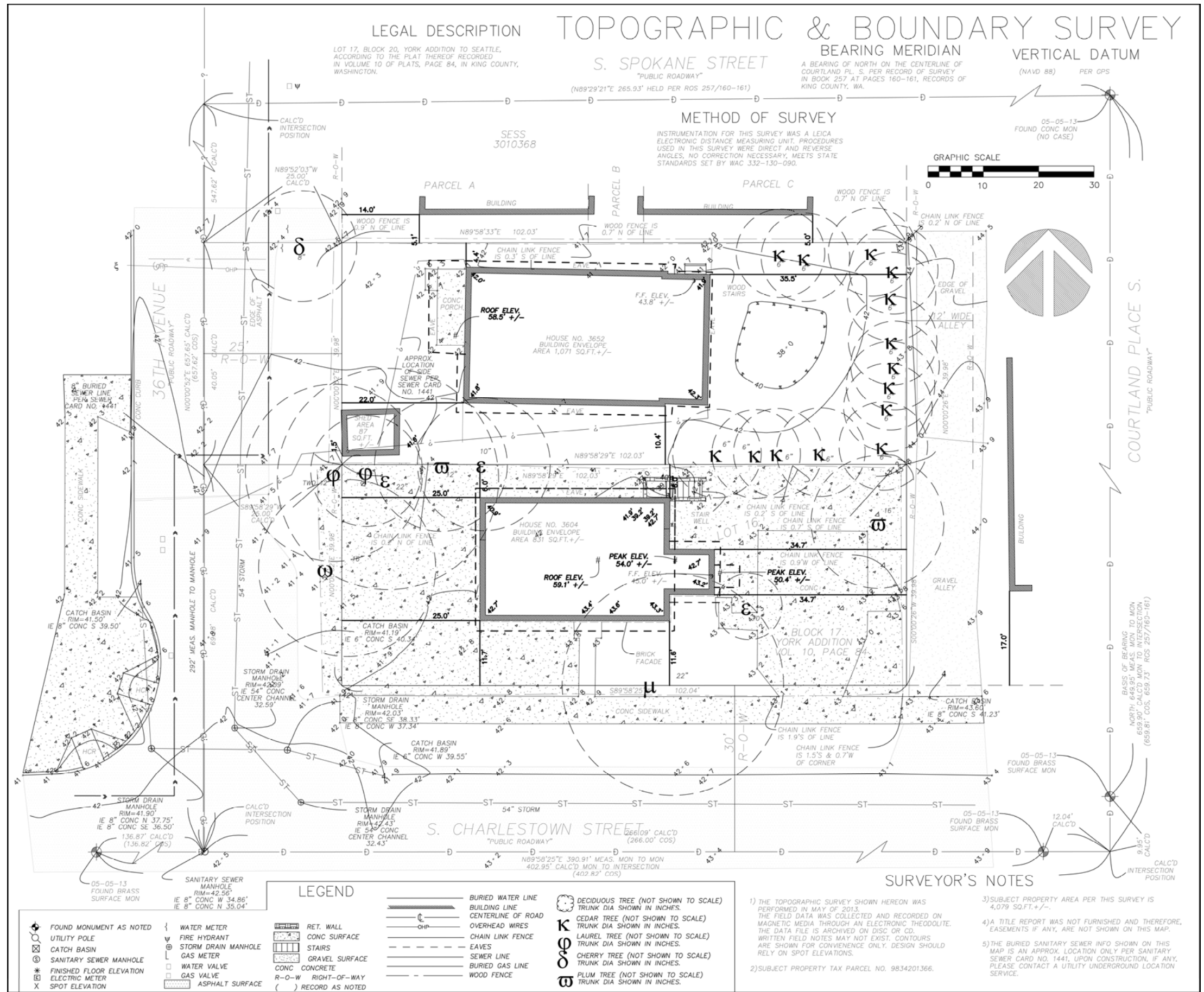
The street-facing units feature thoughtful landscaped entries to bridge the public and private. The use of awnings and recessed bays demarcate the entry zones and provide visual interest for pedestrians.

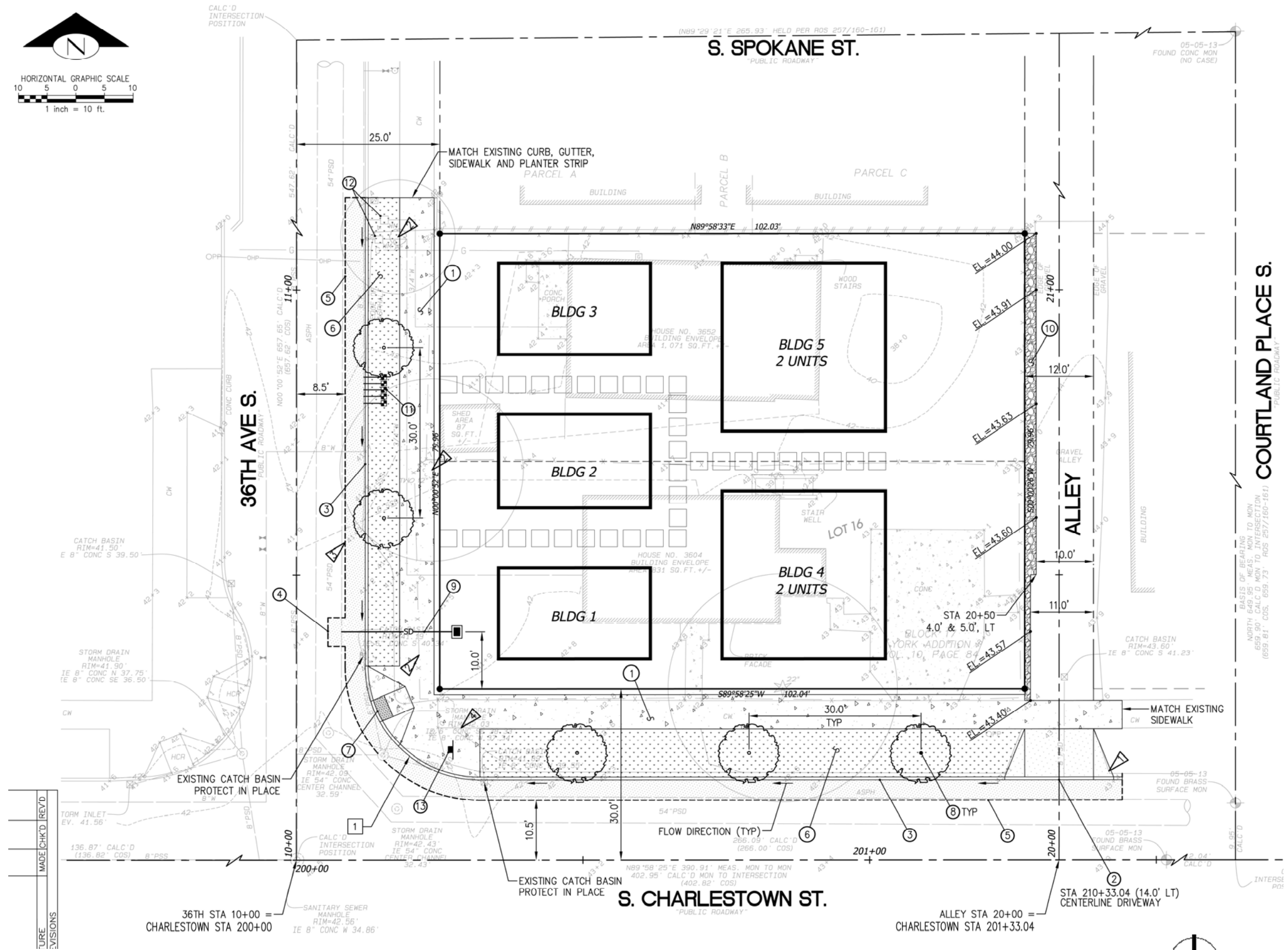
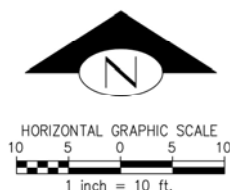
E-1 Landscaping to Reinforce Design Continuity with Adjacent Sites

We will continue the pattern of street trees in front of our property. All new landscaping will be in keeping with the scale of existing landscaping on the street.

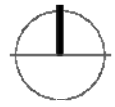
E-2 Landscaping to Enhance the Building and/or Site

The new residences feature a variety of landscaped areas. The rear alley, the communal walkways, and the street-facing entrances are all softened with a combination of grasses, bamboo, and maple trees. The landscaping helps to mark points of entry and circulation.





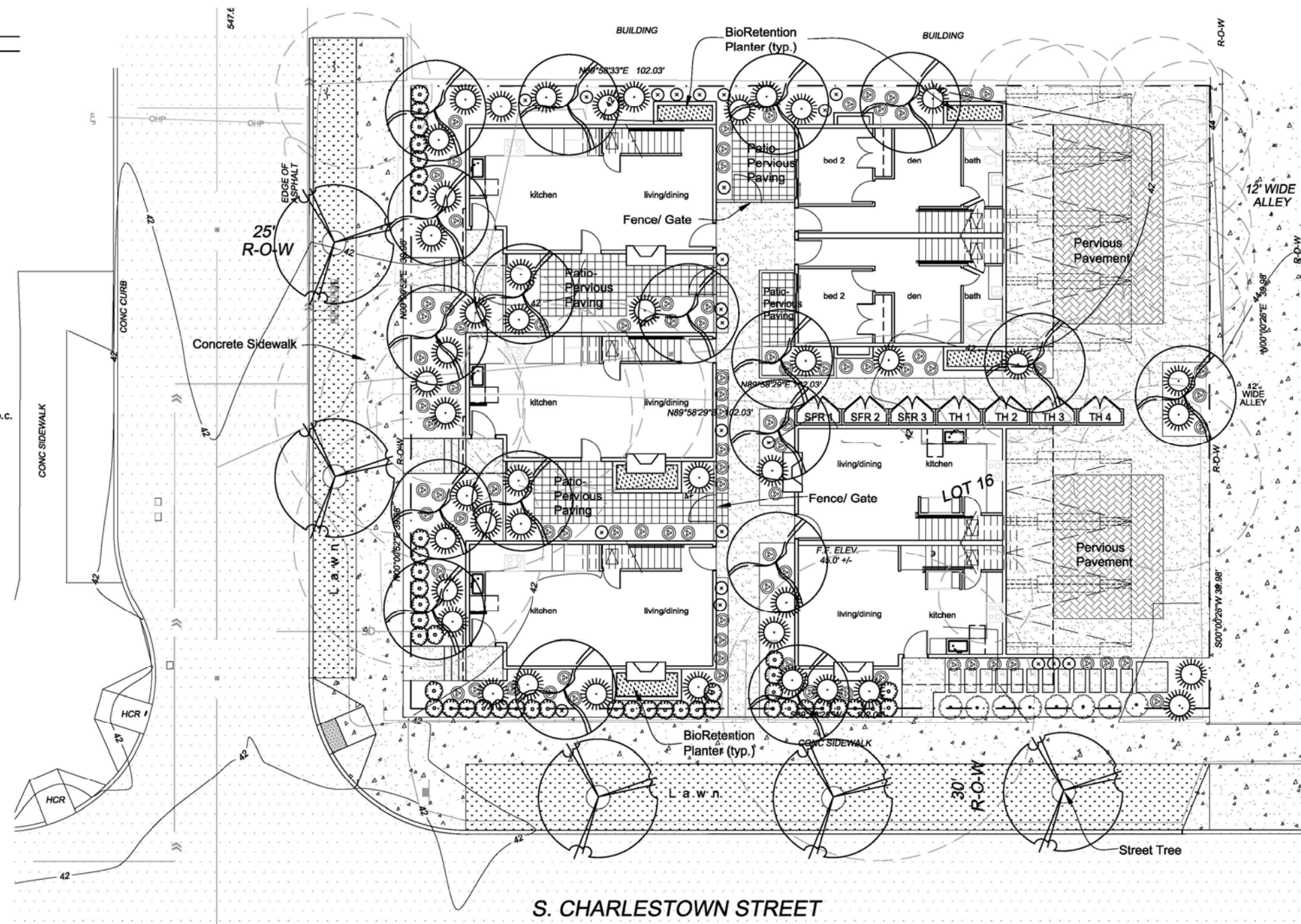
STE PLAN SCALE: SEE GRAPHIC SCALE



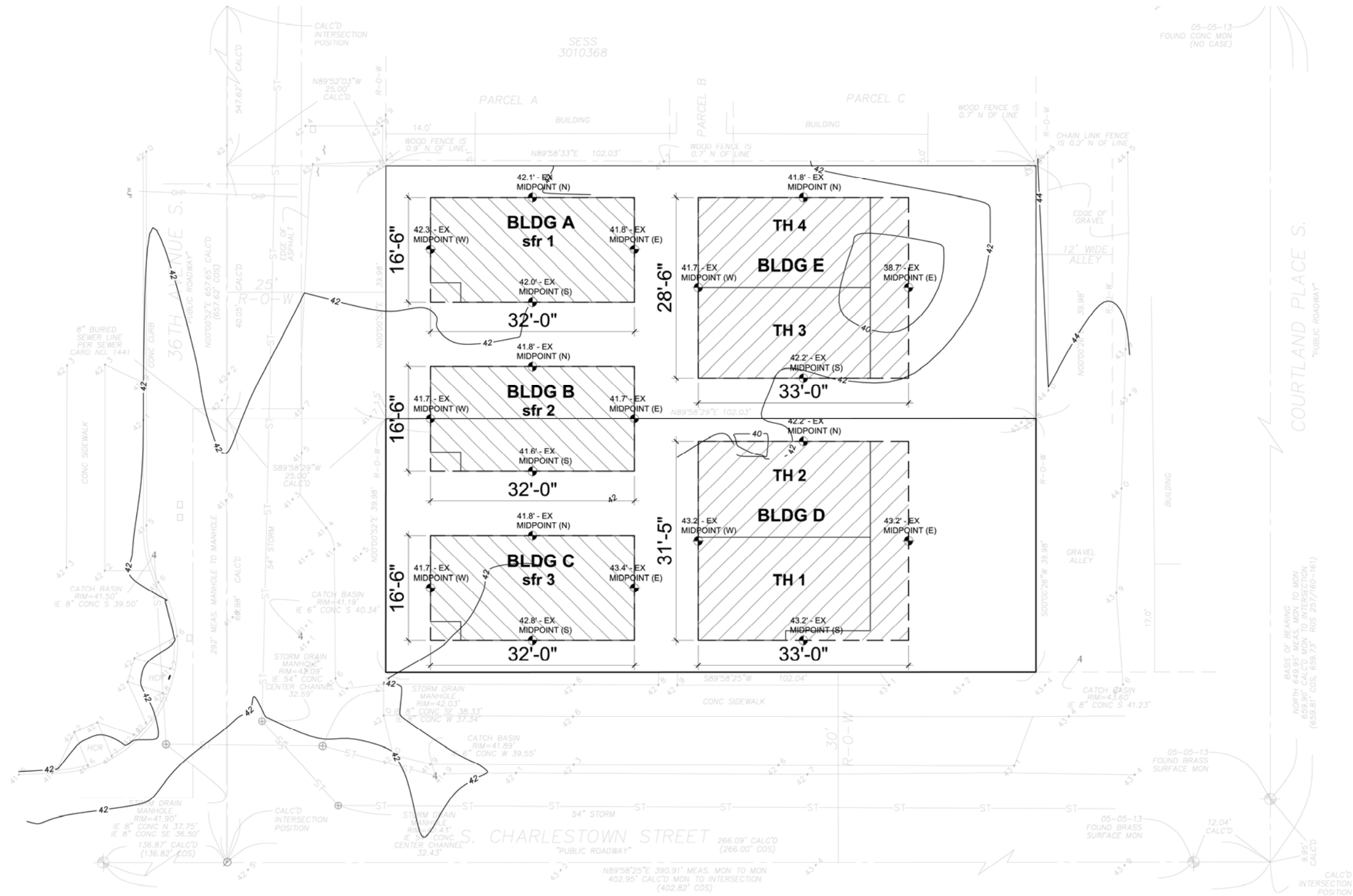
PLANT SCHEDULE

Qty	Symbol	Botanical/Common Name	Size/Remarks
TREES:			
		Acer circinatum/ VINE MAPLE	min. 1-1/2" cal.
		Cornus kousa/ KOREAN DOGWOOD	
		Magnolia g. 'Little Gem'/ EVERGREEN MAGNOLIA	
		Acer 'Warrenred'/ PACIFIC SUNSET MAPLE (or other Medium Street Tree per SDOT Urban Forestry)	min. 2" cal.,
SHRUBS / PERENNIALS:			
		Epimedium x versicolor 'Sulphureum' / NCN	1 gal.
		Ilex c. 'Northern Beauty'/ JAPAN. HOLLY	min. 18" hgt.
		Kalmia l. 'Little Linda'/ MTN. LAUREL	min. 21" spr.
		Miscanthus s. 'Morning Light'/ MAIDEN GRASS	5 gal. can
		Pinus m. 'Whitebud'/ MUGO PINE	min. 21" spr.
		Nandina d. 'Sienna Sunrise'/ HEAVENLY BAMBOO	min. 24" hgt.
		Pennisetum a. 'Hamlyn'/ FOUNTAIN GRASS	one gal. cans
		Polystichum munitum / SWORD FERN	min. 5 fronds @ 12" o.c.
		Ribes s. 'King Edward VII'/ FLWG. CURRANT	min. 24" hgt.
		Sarcococca humilis/ NCN	2 gal. / min. 12" spr.
		Sedum 'Autumn Joy'/ SEDUM	1 gal.
		Thuja o. 'Emerald Green'/ ARBORVITAE	min. 5' hgt.
		Vaccinium ovatum/ EVERGREEN HUCKLEBERRY	min. 24" hgt.

- * Plant names shown in 'bold' are native/ drought tolerant.
- * If plant quantity shown on schedule conflicts with what is represented by symbol
- * Plant sizes are specified per the American Standard for Nursery Stock, Publication—May 2, 1986 sponsored by the American Association of Nurserymen, Inc. on Plan, the quantity represented by symbol shall be used.
- * Prior to any Street Tree Planting, coordinate with City Arborist (206.684.5693) soil preparation inspection and exact placement of tree. Include a 2'0" grass free ring at base of tree. Mulch tree ring.



LANDSCAPE PLAN SCALE: 1/16"=1'



AVERAGE GRADE CALC - SFR 1
 $42.1 \times 32.0 \text{ (N)} + 42.0 \times 32.0 \text{ (S)} + 41.8 \times 16.5 \text{ (E)}$
 $+ 42.3 \times 16.5 \text{ (W)}$
 $1,347.2 + 1,344.0 + 689.7 + 698.0 = 4,069.9$
 $4,069.9 / 97.0 \text{ (LENGTH OF SIDES)} = 42.0'$
AVERAGE GRADE = 42.0'

AVERAGE GRADE CALC - SFR 2
 $41.8 \times 32.0 \text{ (N)} + 41.6 \times 32.0 \text{ (S)} + 41.7 \times 16.5 \text{ (E)}$
 $+ 41.7 \times 16.5 \text{ (W)}$
 $1,337.6 + 1,331.2 + 688.1 + 688.1 = 4,045.0$
 $4,045.0 / 97.0 \text{ (LENGTH OF SIDES)} = 41.7'$
AVERAGE GRADE = 41.7'

AVERAGE GRADE CALC - SFR 3
 $41.8 \times 32.0 \text{ (N)} + 42.8 \times 32.0 \text{ (S)} + 43.4 \times 16.5 \text{ (E)}$
 $+ 41.7 \times 16.5 \text{ (W)}$
 $1,337.6 + 1,369.6 + 716.1 + 688.1 = 4,111.4$
 $4,111.4 / 97.0 \text{ (LENGTH OF SIDES)} = 42.4'$
AVERAGE GRADE = 42.4'

AVERAGE GRADE CALC - TH 1-2
 $42.2 \times 33.0 \text{ (N)} + 43.2 \times 33.0 \text{ (S)} + 43.2 \times 31.4 \text{ (E)}$
 $+ 43.2 \times 31.4 \text{ (W)}$
 $1,392.6 + 1,425.6 + 1,356.5 + 1,356.5 = 5,531.2$
 $5,531.2 / 128.8 \text{ (LENGTH OF SIDES)} = 42.9'$
AVERAGE GRADE = 42.9'

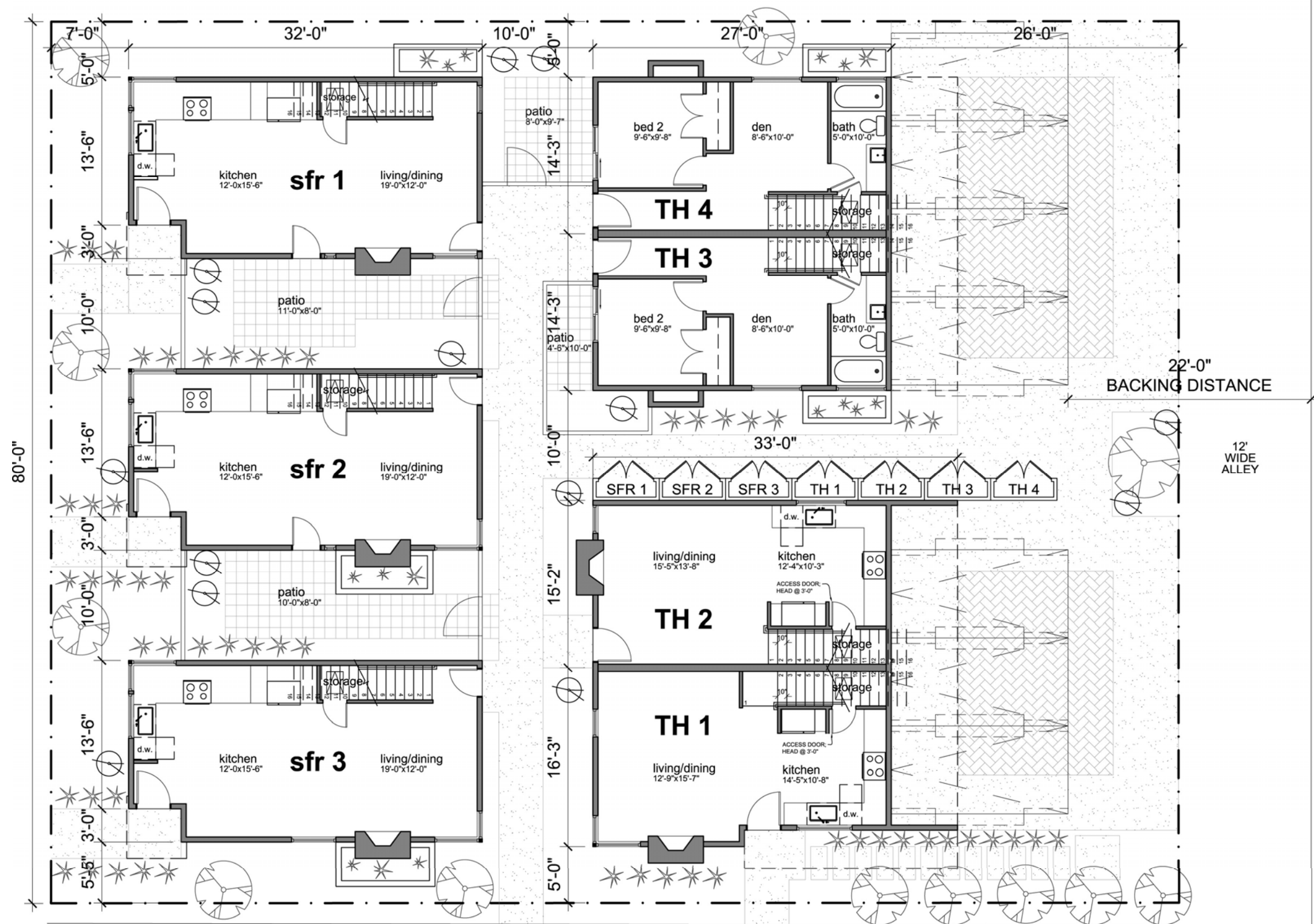
AVERAGE GRADE CALC - TH 3-4
 $41.8 \times 33.0 \text{ (N)} + 42.2 \times 33.0 \text{ (S)} + 38.7 \times 28.5 \text{ (E)}$
 $+ 41.7 \times 28.5 \text{ (W)}$
 $1,379.4 + 1,392.6 + 1,103.0 + 1,188.5 = 5,063.5$
 $5,063.5 / 123.0 \text{ (LENGTH OF SIDES)} = 41.2'$
AVERAGE GRADE = 41.2'

height calculation plan
 SCALE: 1"=10'

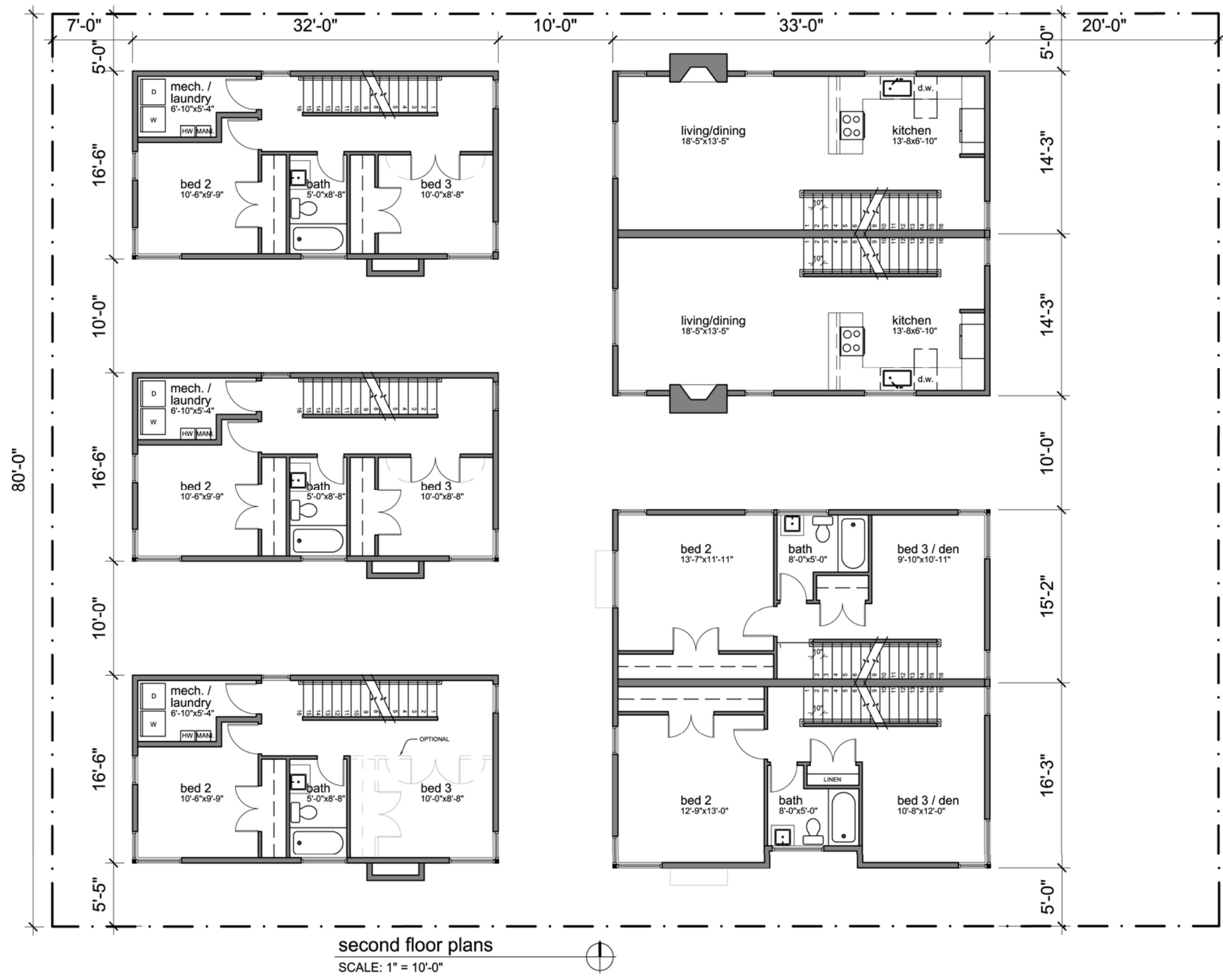
HEIGHT CALCULATION PLAN SCALE: 1/16"=1'





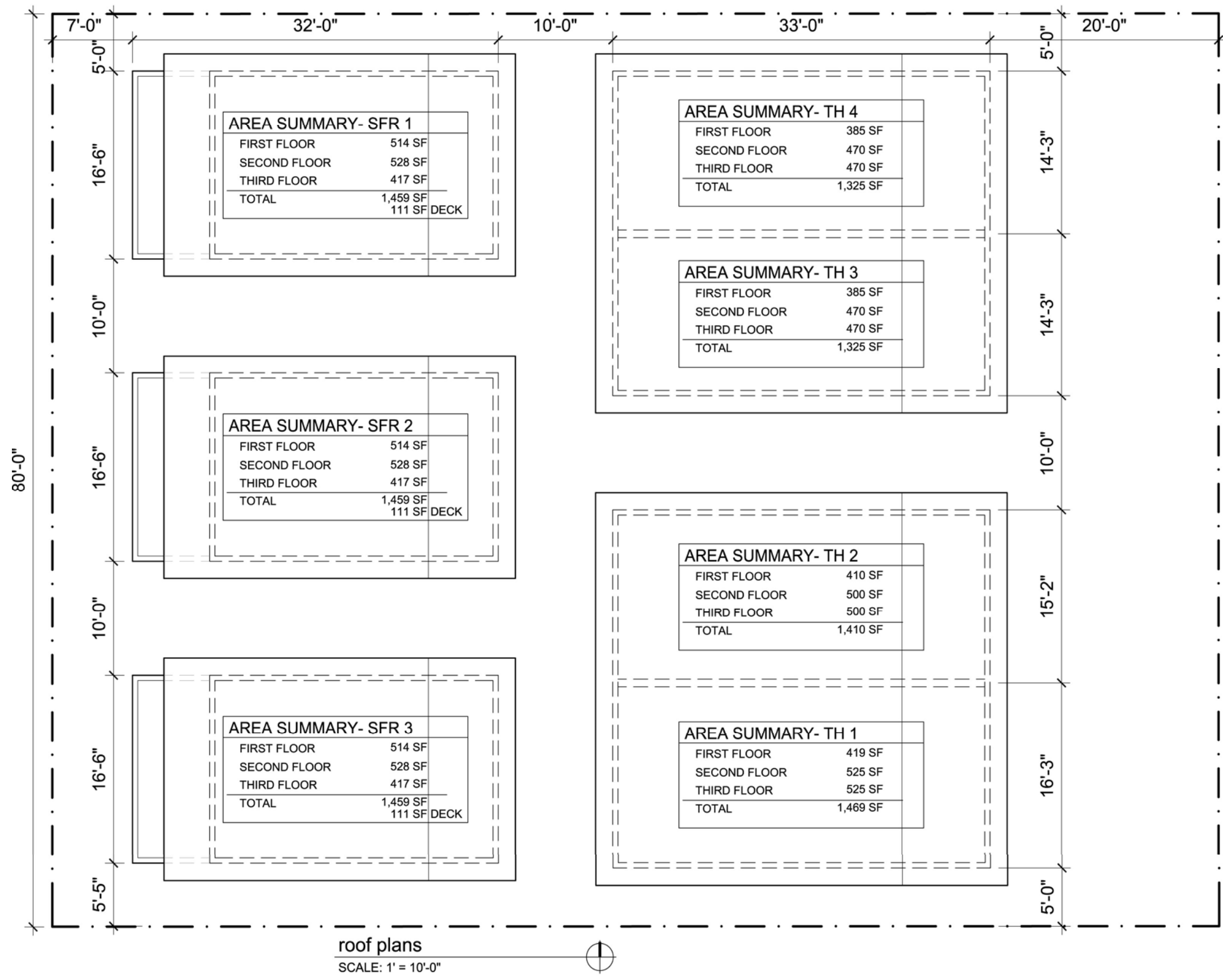


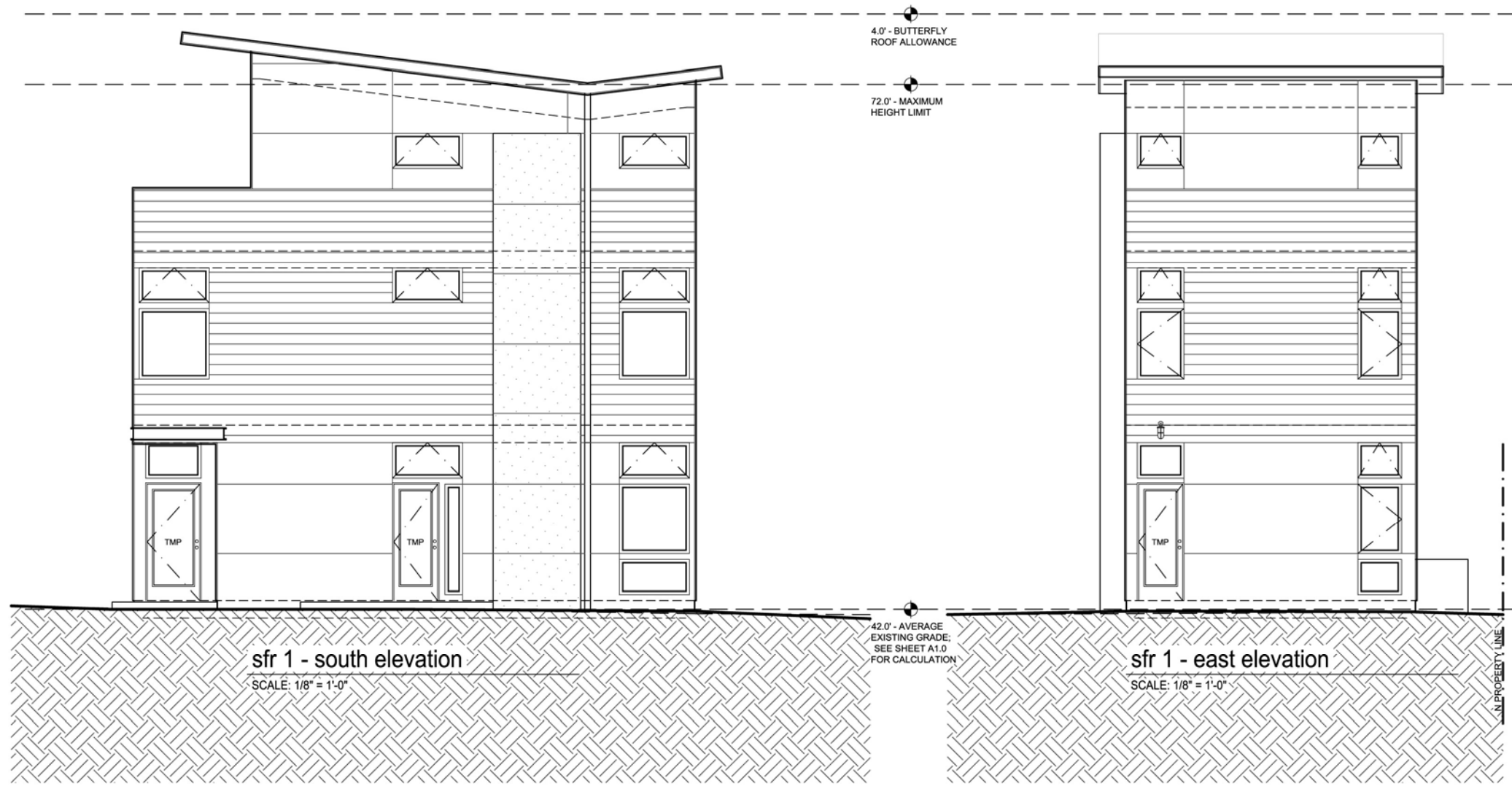
first floor plans
SCALE: 1" = 10'-0"

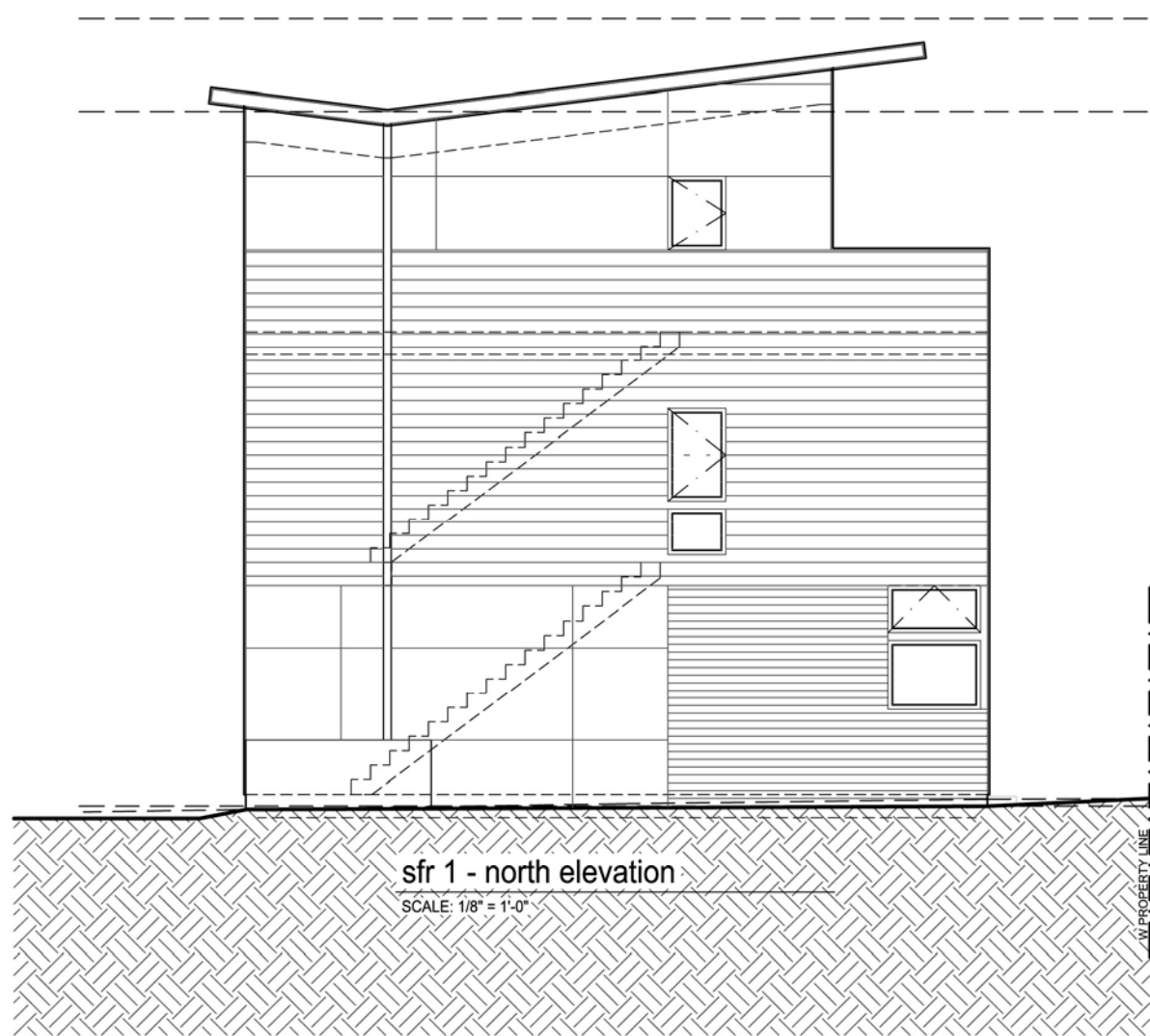




third floor plans
SCALE: 1" = 10'-0"



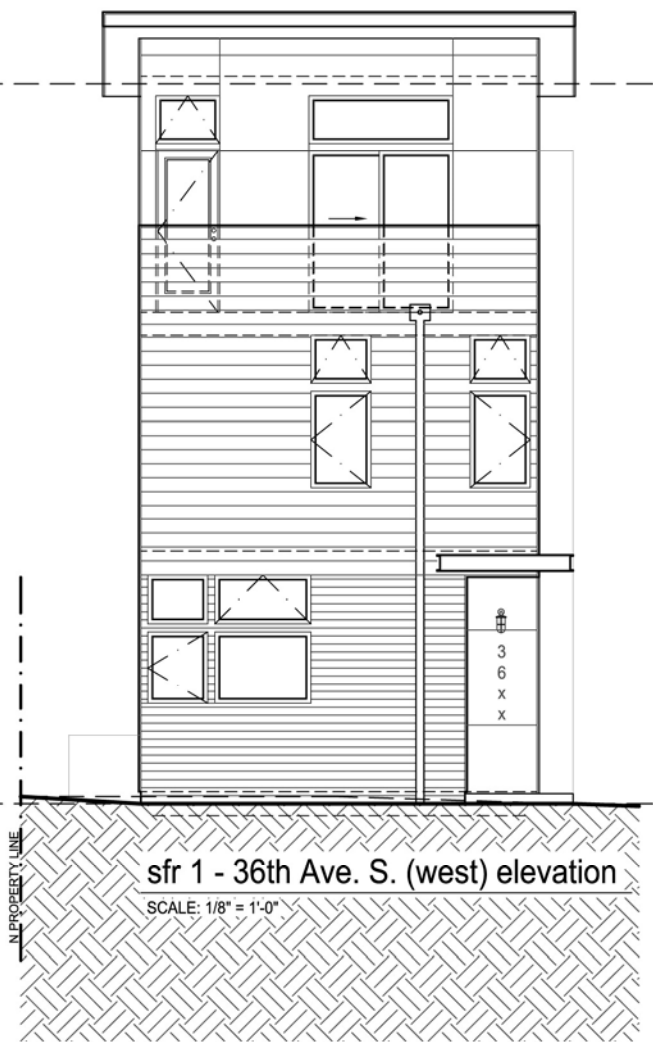


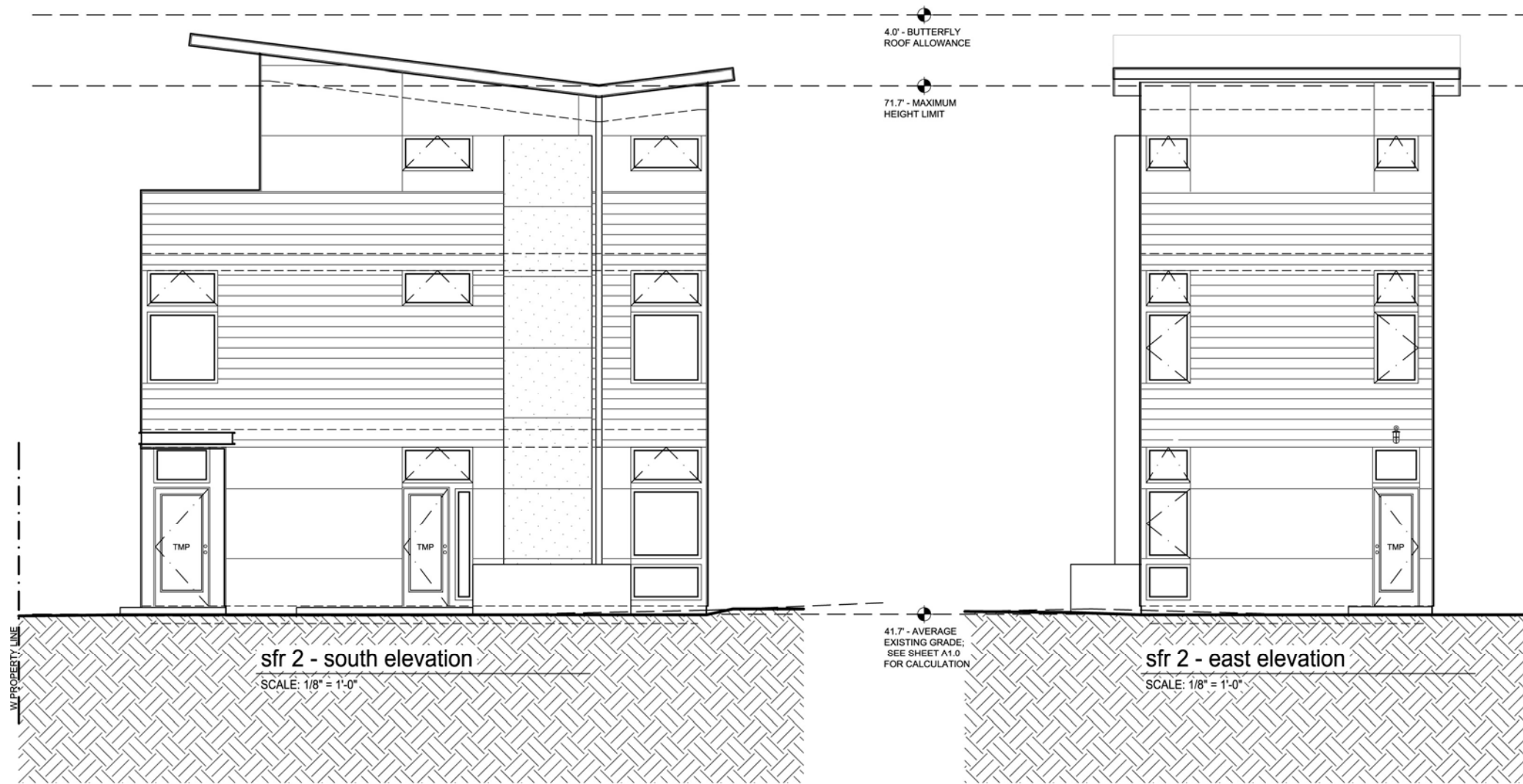


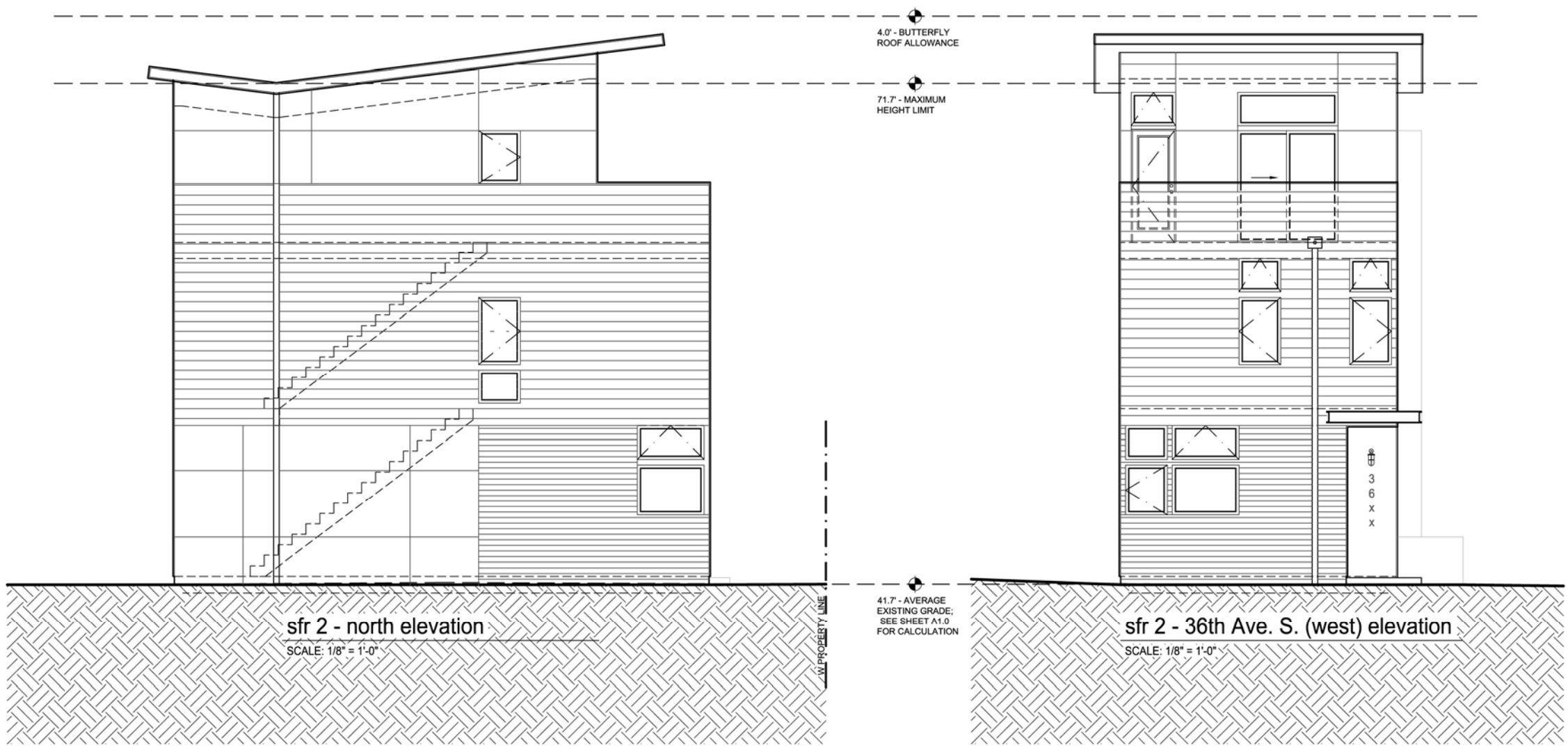
4.0' - BUTTERFLY
ROOF ALLOWANCE

72.0' - MAXIMUM
HEIGHT LIMIT

42.0' - AVERAGE
EXISTING GRADE;
SEE SHEET A1.0
FOR CALCULATION







sfr 2 - north elevation
SCALE: 1/8" = 1'-0"

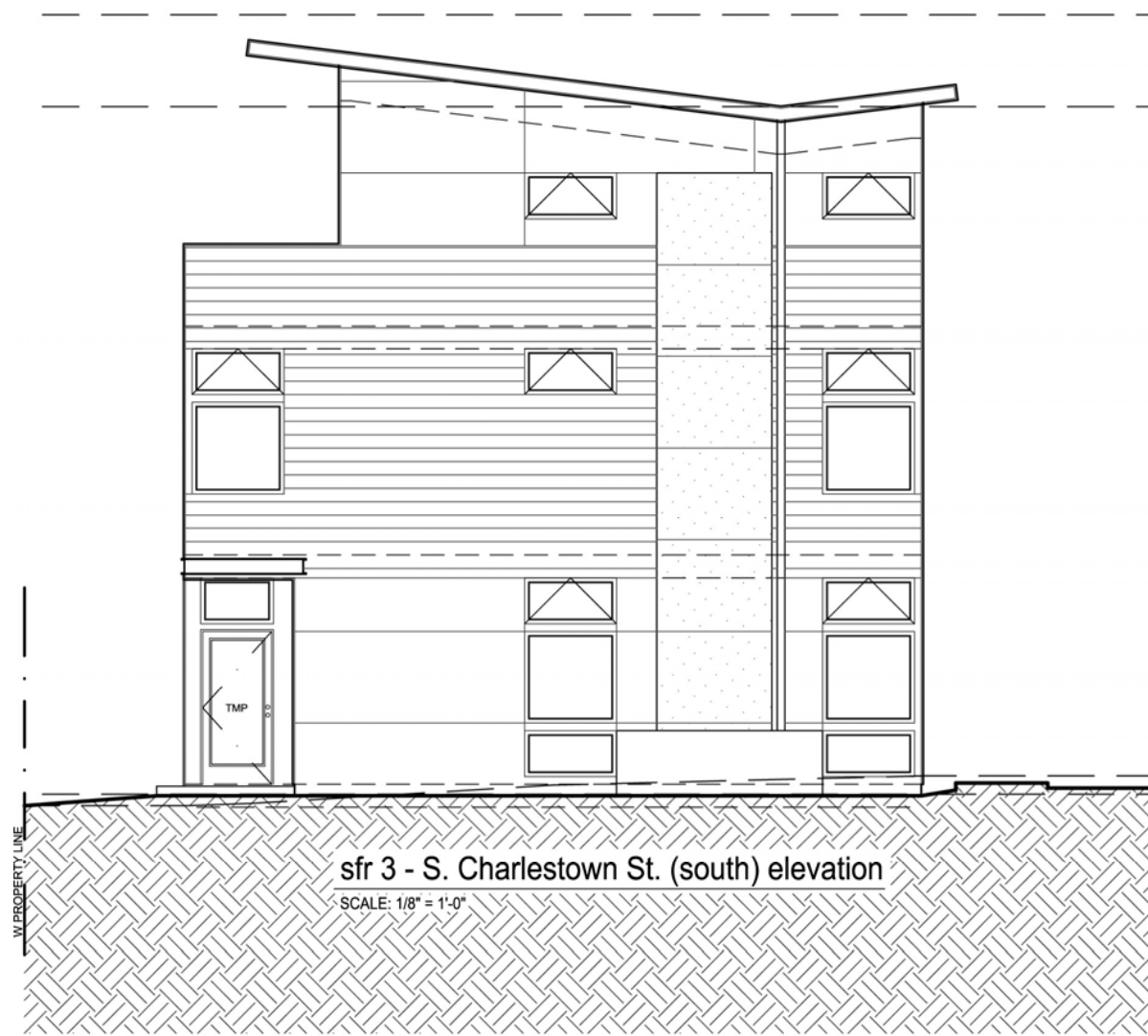
sfr 2 - 36th Ave. S. (west) elevation
SCALE: 1/8" = 1'-0"

4.0' - BUTTERFLY
ROOF ALLOWANCE

71.7' - MAXIMUM
HEIGHT LIMIT

41.7' - AVERAGE
EXISTING GRADE;
SEE SHEET A1.0
FOR CALCULATION

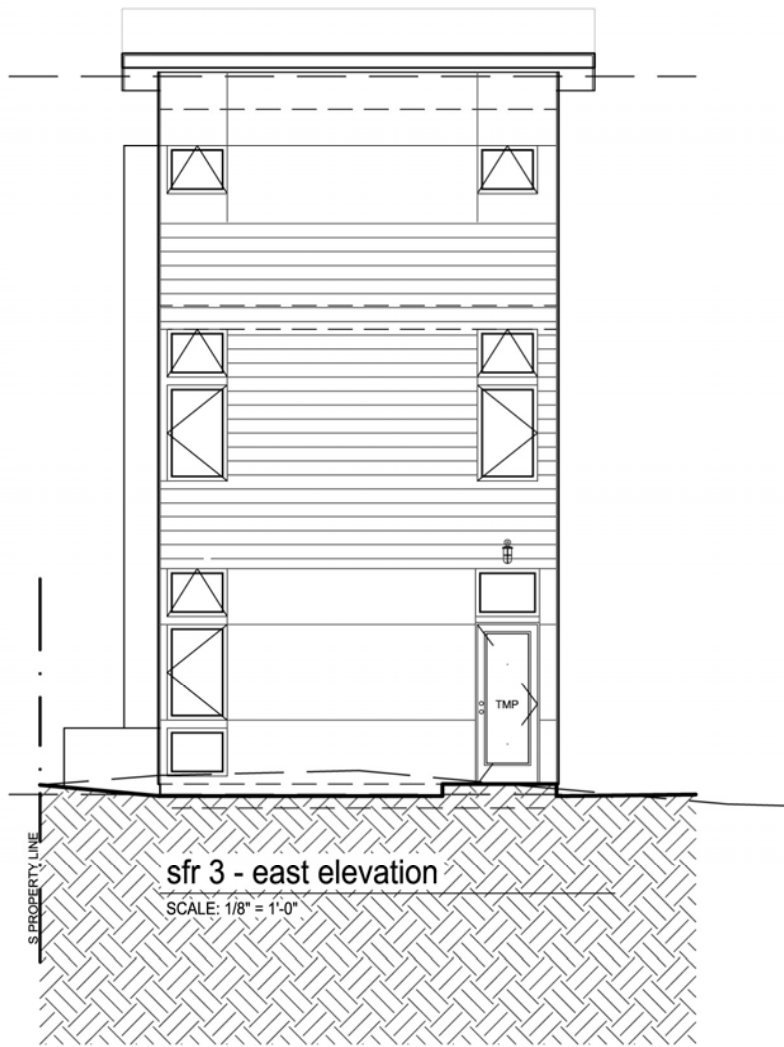
PROPERTY LINE

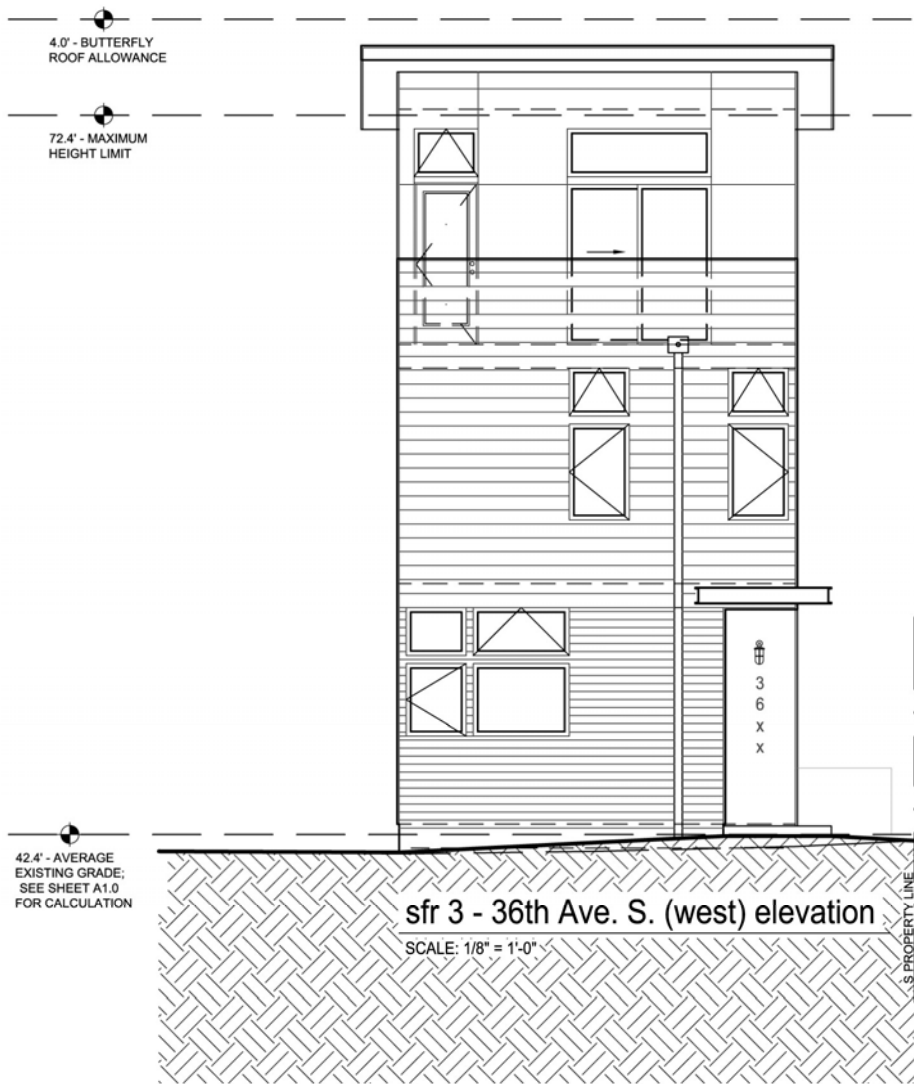
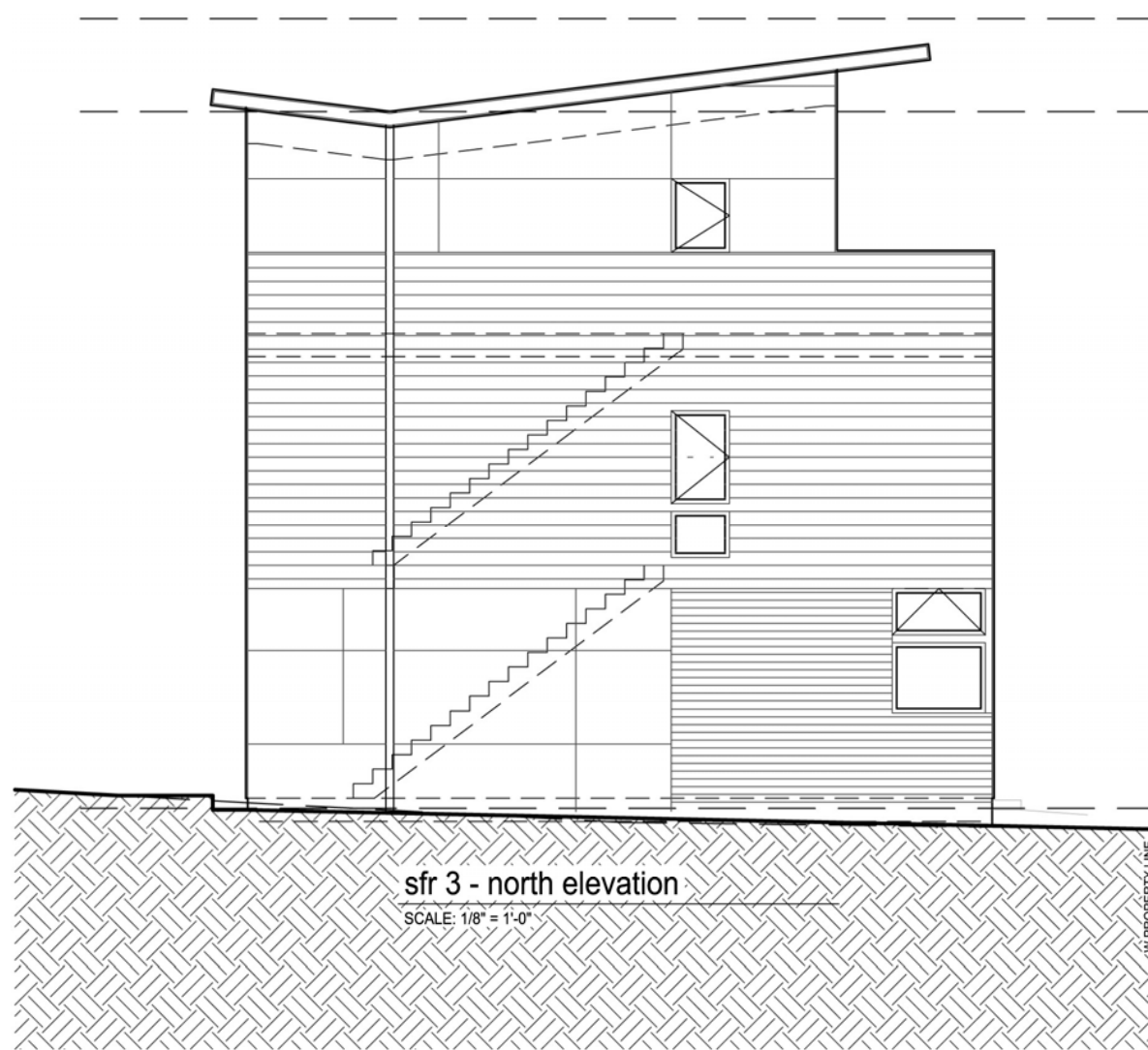


4.0' - BUTTERFLY ROOF ALLOWANCE

72.4' - MAXIMUM HEIGHT LIMIT

42.4' - AVERAGE EXISTING GRADE; SEE SHEET A1.0 FOR CALCULATION

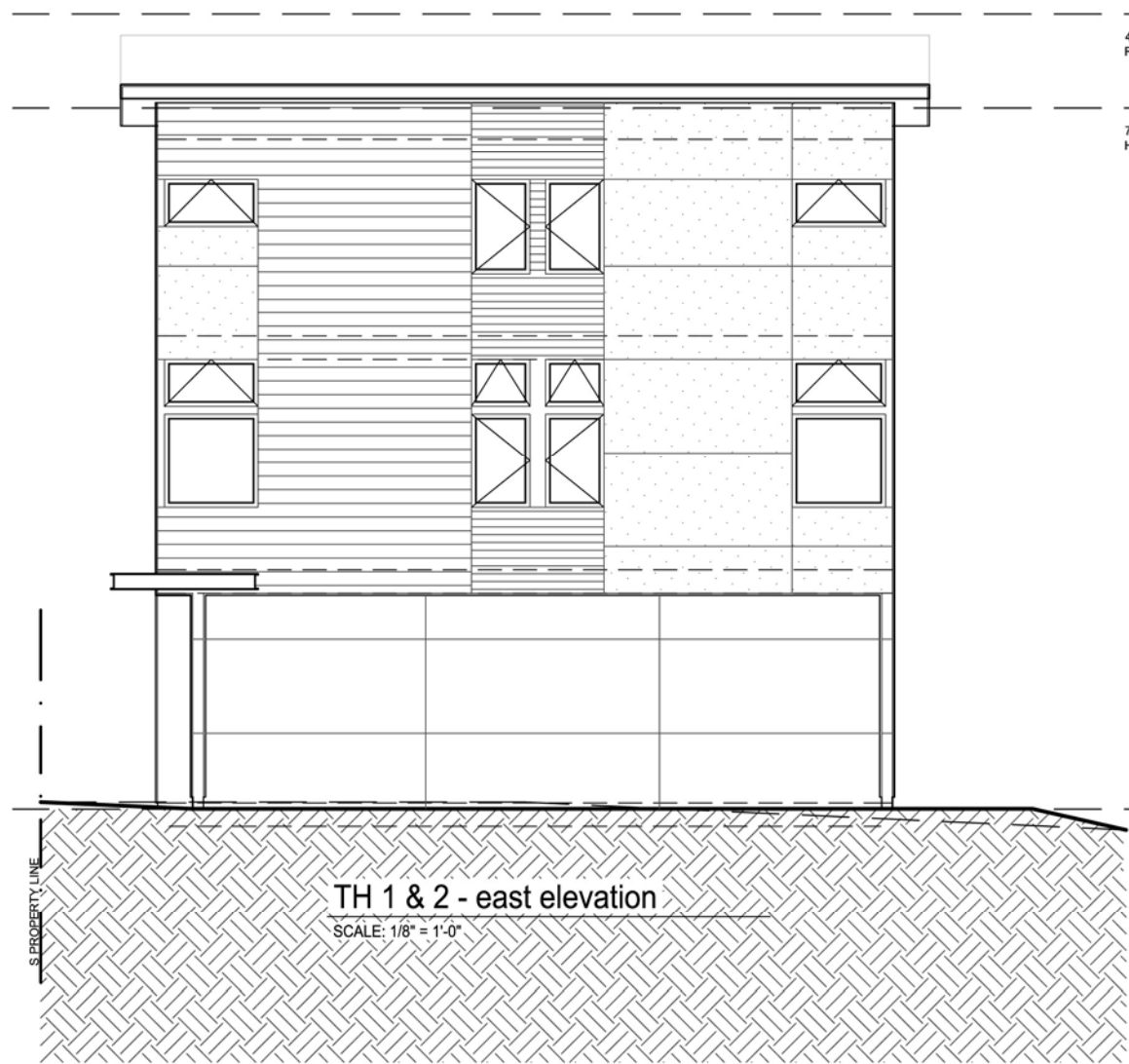




4.0' - BUTTERFLY ROOF ALLOWANCE

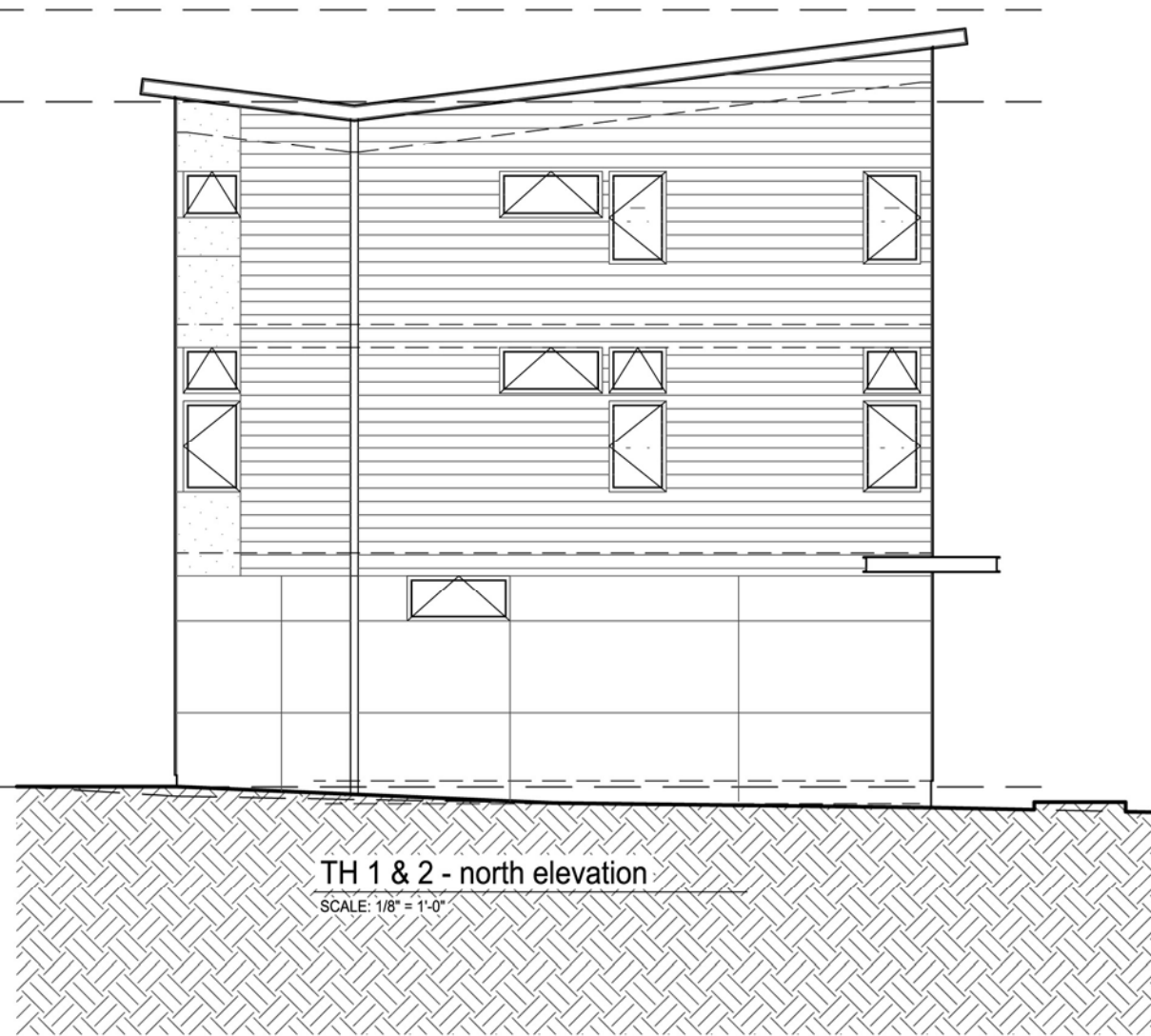
72.4' - MAXIMUM HEIGHT LIMIT

42.4' - AVERAGE EXISTING GRADE; SEE SHEET A1.0 FOR CALCULATION



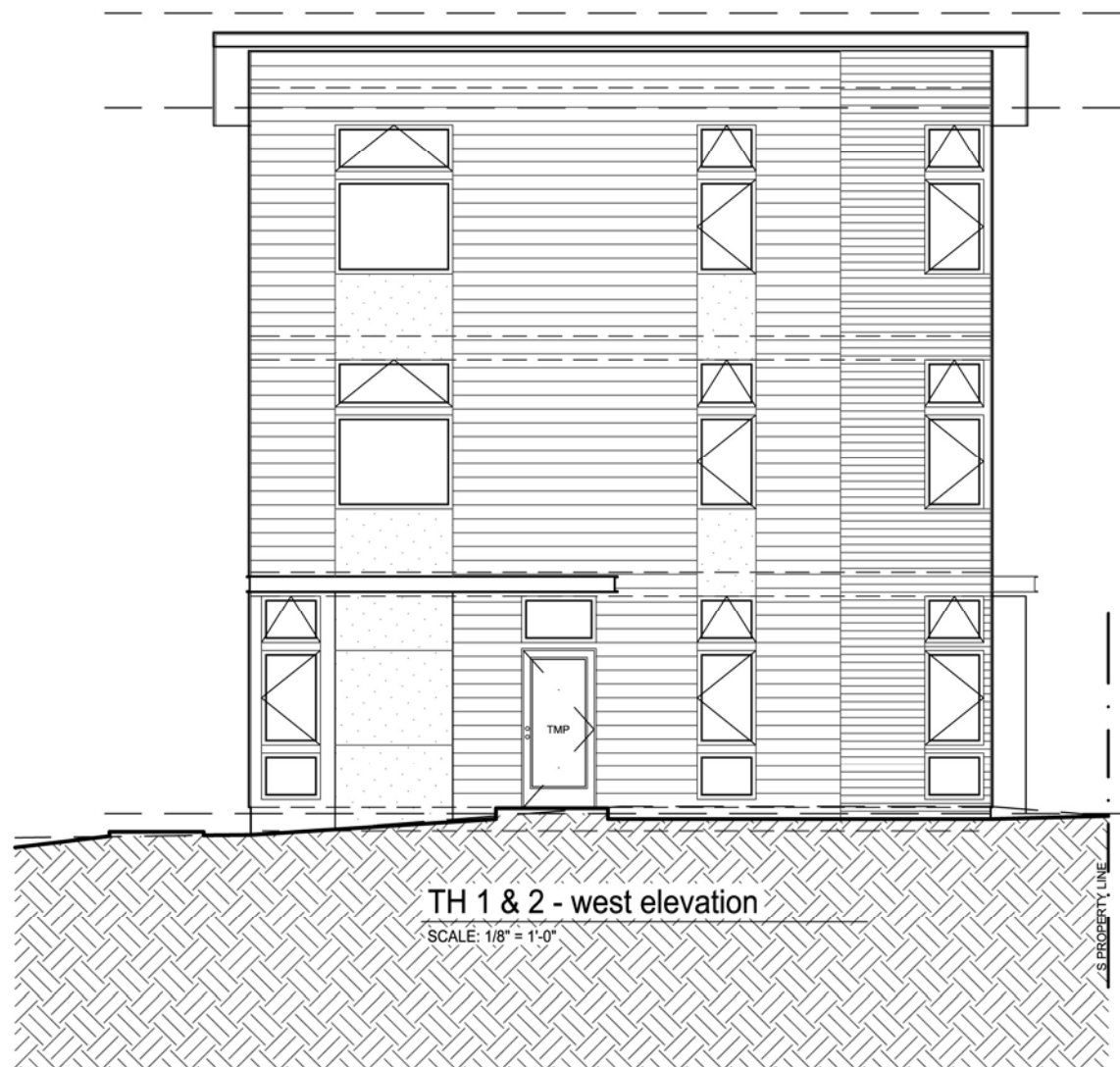
TH 1 & 2 - east elevation
SCALE: 1/8" = 1'-0"

4.0' - BUTTERFLY ROOF ALLOWANCE
72.9' - MAXIMUM HEIGHT LIMIT



TH 1 & 2 - north elevation
SCALE: 1/8" = 1'-0"

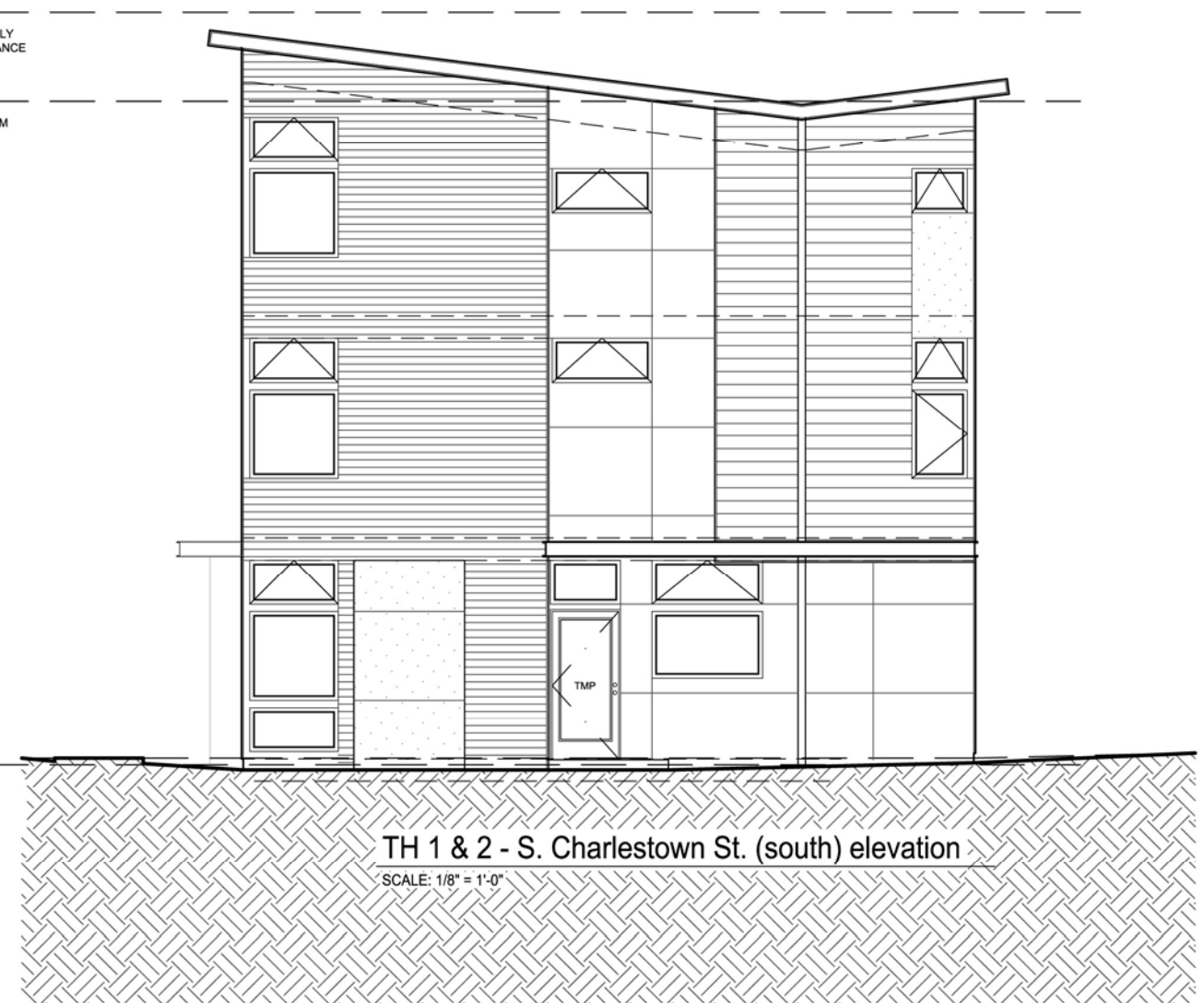
42.9' - AVERAGE EXISTING GRADE; SEE SHEET A1.0 FOR CALCULATION



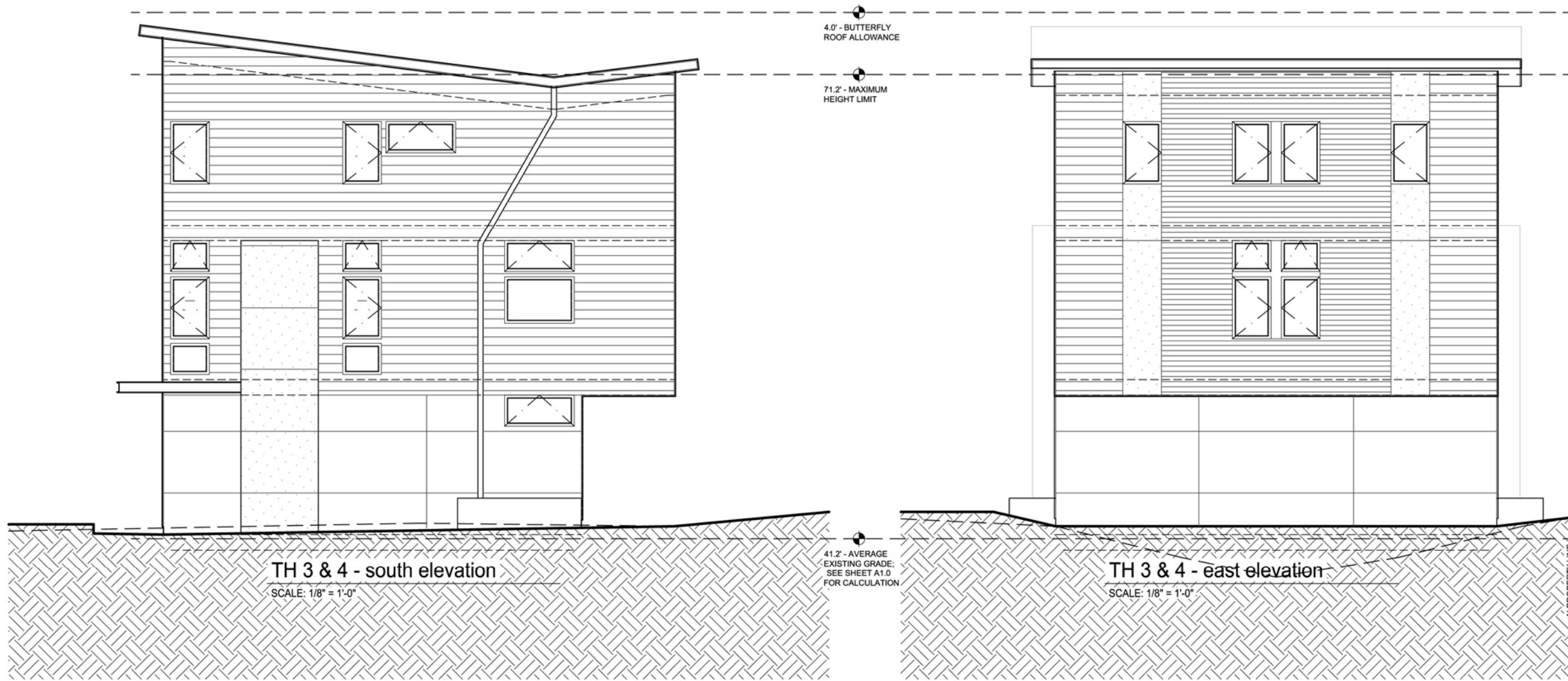
TH 1 & 2 - west elevation
SCALE: 1/8" = 1'-0"

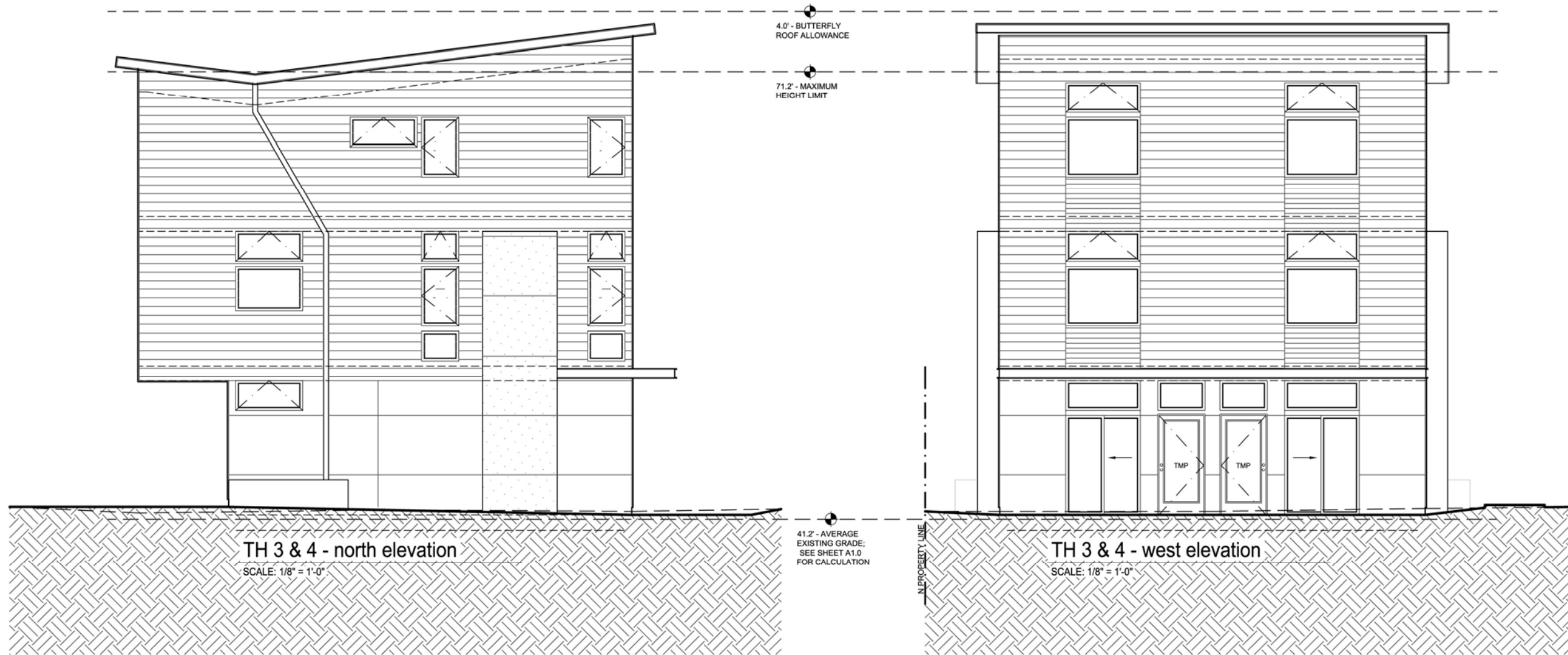
4.0' - BUTTERFLY ROOF ALLOWANCE
72.9' - MAXIMUM HEIGHT LIMIT

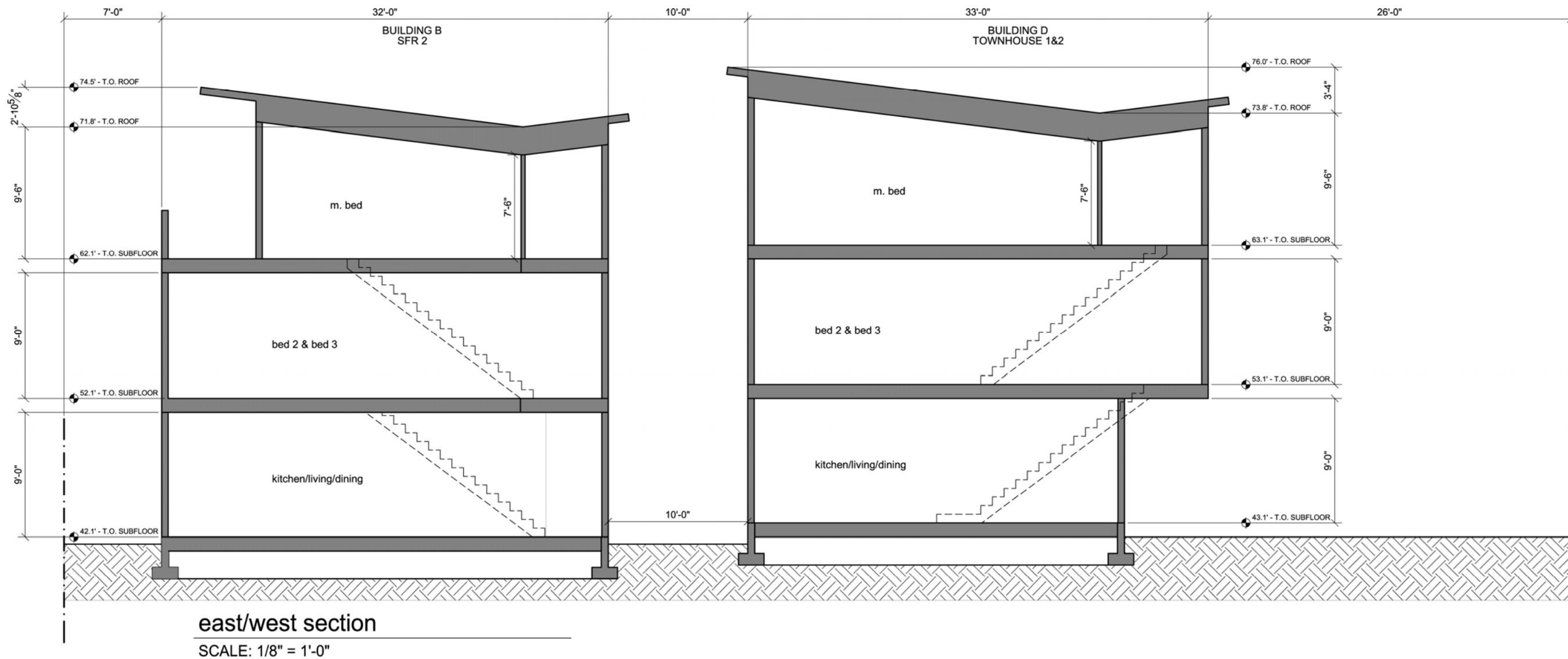
42.9' - AVERAGE EXISTING GRADE. SEE SHEET A1.0 FOR CALCULATION

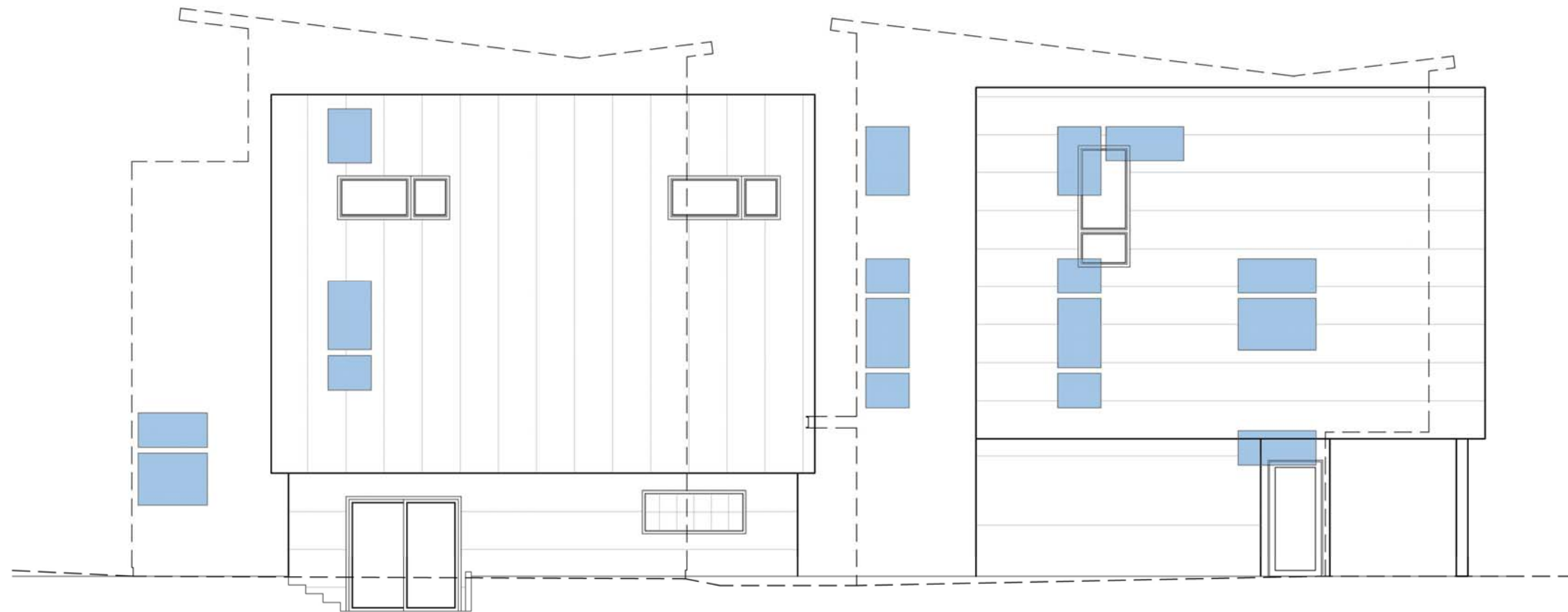


TH 1 & 2 - S. Charlestown St. (south) elevation
SCALE: 1/8" = 1'-0"









neighboring property north
SCALE: 1/8" = 1'-0"

NEIGHBORING PROPERTY NORTH SCALE: 1/8" = 1'