

# **AGENDA:**

Bus Tour—Lessons Learned
Additional Projects
Form-Based Code
Design Guidelines
Next Steps

### **LESSONS LEARNED:**

Hercules (Promenade, Refugio, Bayside)

**Emeryville (Glashaus, Liquid Sugar, City Limits)** 

San Mateo (Bay Meadows)

RESIDENTIAL TYPOLOGIES	SMALL-LOT SINGLE FAMILY	SINGLE-FAMILY TOWNHOUSES
Lot Area, Setbacks, Height (stories), Parking Type & Access, Uses,		
Accessory Buildings		
THINGS TO THINK ABOUT		
FORM + ORIENTATION Proportion		
Scale Orientation Corners Main façade Building walls	MULTI-FAMILY TOWNHOUSES	MULTI-FAMILY APARTMENTS
FRONTAGE + SETBACKS  Entries Stoops Porches Projections		
ARCH. DETAILS Windows Doors Roofs (eaves, dormers) Balconies		
FAÇADE COMPOSITION  MATERIALS	MULTI-FAMILY APARTMENTS (PODIUM)	LOCAL-SERVING (GROUND FLOOR) RETAIL
Local precedents Material detailing		
PARKING + SERVICE		
Access / Orientation Garage doors Alleys / Service		
PRIVATE LANDSCAPE		
Common open spaces Landscape elements Fences, walls, trellis		

Lighting

### **Façade Depth and Articulation**





### **Window Proportion and Detailing**





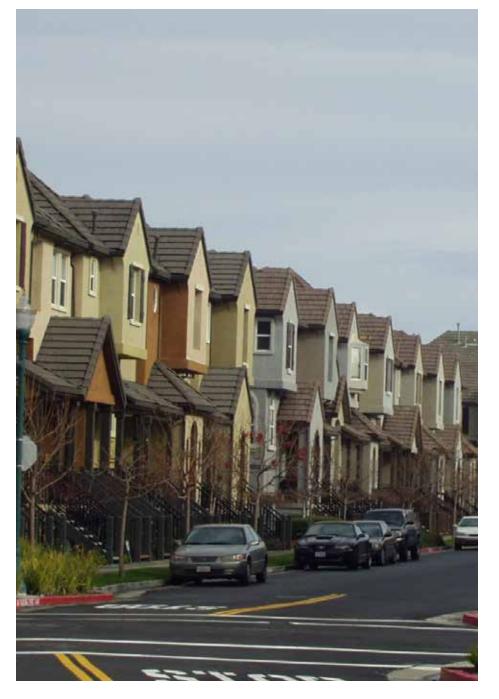
### **Unit Variation**





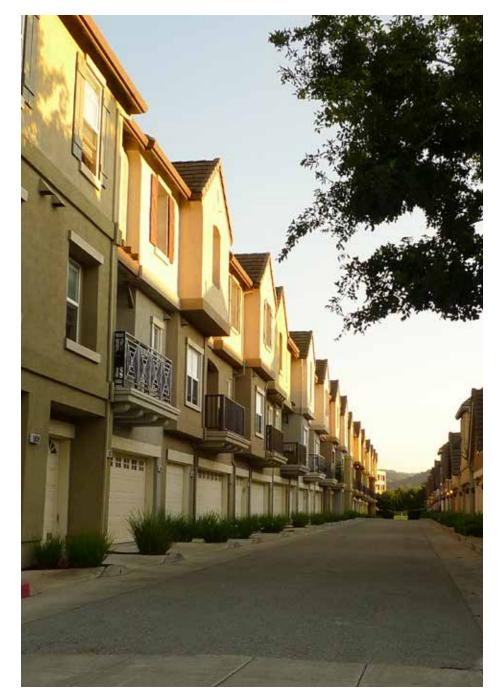
### **Mix of Typologies**



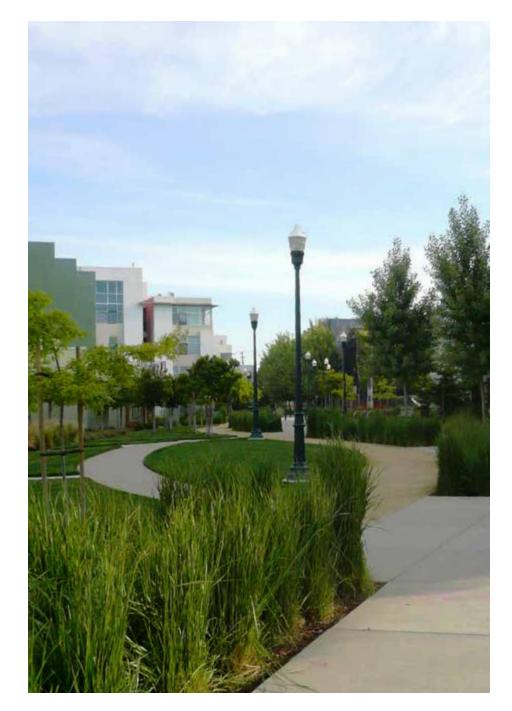


### **Alley Design**





### **Open Space Scale and Edges**





# **ADDITIONAL PROJECTS:**

Oakland (Zephyr Gate, Pacific Cannery Lofts)

**Petaluma (Theatre District, Celsius 44)** 

**Palo Alto (University Park)** 

### **ZEPHYR GATE**

### 14th and Wood Streets OAKLAND, CA

This market-rate townhouse development is next to the historic Southern Pacific Depot in Oakland, near the developing Central Station neighborhood. The units face perimeter public streets or linear courtyards and open spaces.

- → Single-family and multi-family townhouses with no rear yards
- → Multiple residential types on one block creates variety
- → Narrow internal mews provide rear access to embedded garages
- → Ample internal linear courtyards for common open space
- → Large windows with significant reveal depth
- → Significant modulation, variation, and shaping of the facade plane
- → Limited roof modulation, variation, and shaping

DEVELOPER	Pulte Homes	
COMPLETED	2007	
BUILDER	Pulte Homes	
ACRES	4	
UNITS	130	
DU/ACRE	32.5 average gross	
PRODUCT	single-family townhouses (2BR, 3BR)	
AFFORDABLE	-	
OPEN SPACE	linear courtyards, mews, pocket park	
RETAIL	-	
OFFICE	-	
OTHER	-	
PARKING SPACES	~260 (2-car and 2-car tandem garage)	
PARKING RATIO	2:1	
TRANSIT	AC transit	
GREEN	GreenPoint rating (79 points)	





Townhouse entries facing interior courtyard

### **PACIFIC CANNERY LOFTS**

### 1199 Pine Street WEST OAKLAND, CA

The Central Station neighborhood is new in Oakland — the Pacific Cannery one of the first to be established. The project has a range of studios, apartments, and townhouses framing courtyard open spaces. The 1919 historic fruit cannery is repurposed as one portion of the project. The range of product types includes one-bedrooms, 2-bedrooms, live/work spaces, dog-washing station and bicycle repair.

- → Single-family and multi-family townhouses with no rear yards
- → Multiple residential types on one block creates variety
- → Narrow internal mews provide rear access to embedded garages
- → Ample internal linear courtyards for common open space
- → Large windows with significant reveal depth
- → Significant modulation, variation, and shaping of the facade plane

DEVELOPER	Holliday Development	
COMPLETED	2009	
BUILDER	Cannon Constructors	
ACRES	2.7	
UNITS	163	
DU/ACRE	60 average gross	
PRODUCT	multi-family flats, single-family townhouses (1 BR, 2BR)	
AFFORDABLE	-	
OPEN SPACE	courtyards	
RETAIL	-	
OFFICE	-	
OTHER	live/work, bicycle repair	
PARKING SPACES	186	
PARKING RATIO	1.14:1	
TRANSIT	BART shuttle	
GREEN	GreenPoint Rated	







Townhouses facing Pine Street and interior courtyard

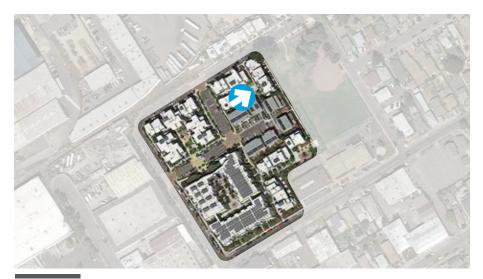
### TASSAFARONGA VILLAGE

### 85th and G Streets OAKLAND, CA

This new neighborhood has a range of affordable housing types, green pathways, pocket parks, and open spaces. There are multiple variations in the townhouse typologies, including side-by-side and 'pinwheel' four-plexes. Apartments flank a hidden parking structure and also enclose a second-level open-air courtyard. The front of the building is topped with a rolling green roof.

- → Single-family and multi-family townhouses with no rear yards
- → Multiple residential types on one block creates variety
- → Narrow internal alleys provide rear access to embedded garages
- → Ample internal open spaces, courtyards, and open space mews
- → Significant modulation, variation, and shaping of the facade plane
- → Significant roof modulation, variation, and shaping

DEVELOPER	Oakland Housing Authority, Habitat for Humanity
COMPLETED	2010
BUILDER	Cahill
ACRES	7.5
UNITS	157
DU/ACRE	25 gross average
PRODUCT	multi-family townhouses
AFFORDABLE	157 (100%)
OPEN SPACE	linear courtyards
RETAIL	-
OFFICE	-
OTHER	medical clinic
PARKING SPACES	230 (garage + surface)
PARKING RATIO	1.2:1
TRANSIT	Coliseum/Oakland Airport BART
GREEN	LEED ND Gold Certified; LEED for Homes Platinum Certified





Townhouses facing interior courtyard

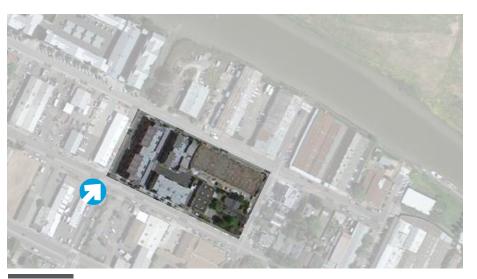
### **CELSIUS 44**

### 125 F Street PETALUMA, CA

Within walking distance of Petaluma's Theater District, Celsius 44 consists of 44 loft-style townhomes in 4 buildings. The first 3 buildings were completed in 2008 by St. James Properties. The final building is now under construction by Advanced Building Solutions. The homes range from 1,500 – 2,000 sq. ft. Barn-style garage doors, bright colors, and live-work style designs combine the farming history with a contemporary, industrial feel.

- → Industrial aesthetic made residential
- → Details such as barn-style doors integrate parking into modern country aesthetic.
- → Designed for walkability through sidewalks and old trolley-line

DEVELOPER	St. James Properties, Advanced Building Solutions	
COMPLETED	phase 1 2008; phase 2 (under construction)	
BUILDER	-	
ACRES	1.43 acres	
UNITS	44 units in 4 buildings	
DU/ACRE	30 average du/acres gross	
PRODUCT	Townhomes (2BR @ 1500 sf; 3BR @ 2000 sf)	
AFFORDABLE		
OPEN SPACE	private alley & courtyard	
RETAIL	adjacent to retail amenities	
OFFICE		
OTHER		
PARKING SPACES	Attached garages	
PARKING RATIO	1 / unit	
TRANSIT		
GREEN	Build It Green	





Apartments facing 1st Street

### **WATERFRONT APARTMENTS**

### 301 1st Street PETALUMA, CA

The Theater District, developed by BasinStreet Properties, comprises 3 communities: Theater Square Apartments, the Waterfront Apartments, and the Lofts at Basin Street Landing. Developed within Petaluma's form-based code, the \$100 million dollar revitalization project added retail, office, a cinema, a free-standing parking garage, and 226 apartments to 6 blocks in downtown Petaluma. The Waterfront Apartments consist of 4 3-story buildings along the Petaluma River, reflect the old warehouse district with corrugated siding and steel trusses.

DEVELOPER	Basin Street Properties
COMPLETED	2008
BUILDER	North Bay Construction
ACRES	2.82 acres
UNITS	90
DU/ACRE	32 average du/acre gross
PRODUCT	Studio (560 sf), 1BR (790 sf), 2BR (1130 sf)
AFFORDABLE	
OPEN SPACE	
RETAIL	
OFFICE	3,900 sf on site
OTHER	
PARKING SPACES	111 spaces on site (17 detached garages, 22 attached)
PARKING RATIO	1.2 / unit
TRANSIT	NA
GREEN	





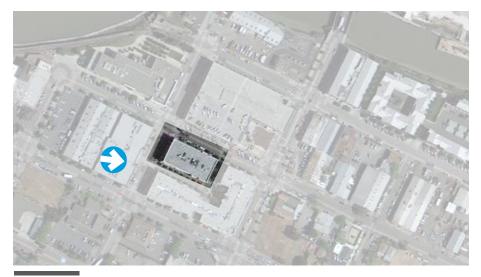
View from 1st Street

### **BASIN STREET LOFTS**

### 101 Second Street PETALUMA, CA

The Theater District, developed by Basin Street Properties, comprises 3 communities: Theater Square Apartments, the Waterfront Apartments, and the Lofts at Basin Street Landing. Developed within Petaluma's form-based code, the \$100 million dollar revitalization project added retail, office, a cinema, a free-standing parking garage, and 226 apartments to 6 blocks in downtown Petaluma. The Theater Square and Lofts are 2 stories of residential above retail with parking in an adjacent garage.

DEVELOPER	Basin Street Properties	
COMPLETED		
BUILDER	North Bay Construction	
ACRES		
UNITS	43	
DU/ACRE		
PRODUCT	JR 1BR, 1BR, 2BR, 3 BR	
AFFORDABLE		
OPEN SPACE		
RETAIL	86,000 gsf as part of Theatre District development	
OFFICE	70,000 gsf as part of Theatre District development	
OTHER		
PARKING SPACES	530 space garage serving Theatre District development	
PARKING RATIO		
TRANSIT	NA	
GREEN		





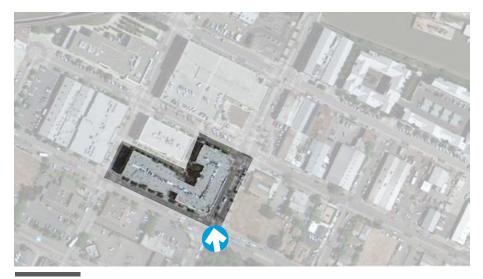
Lofts facing interior retail alley

### THEATRE SQUARE APARTMENTS

### 151 Petaluma Boulevard PETALUMA, CA

The Theater District, developed by Basin Street Properties, comprises 3 communities: Theater Square Apartments, the Waterfront Apartments, and the Lofts at Basin Street Landing. Developed within Petaluma's form-based code, the \$100 million dollar revitalization project added retail, office, a cinema, a free-standing parking garage, and 226 apartments to 6 blocks in downtown Petaluma. The Theater Square and Lofts are 2 stories of residential above retail with parking in an adjacent garage.

DEVELOPER	Basin Street Properties
COMPLETED	2005
BUILDER	North Bay Construction
ACRES	
UNITS	56
DU/ACRE	
PRODUCT	1BR (800 sf), 2BR (1230 sf), 3 BR (1330 sf)
AFFORDABLE	
OPEN SPACE	
RETAIL	86,000 gsf as part of Theatre District development
OFFICE	27,000 gsf on site
OTHER	
PARKING SPACES	Adjacent private garage with reserved spaces
PARKING RATIO	1 / unit
TRANSIT	NA
GREEN	





Corner entry with retail ground floor

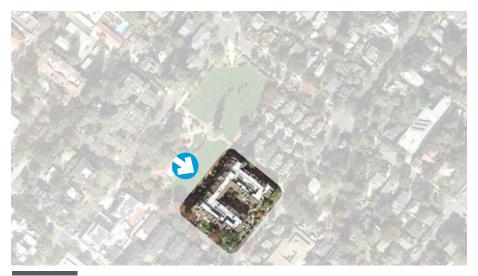
### THE WOODMARK, UNIVERSITY PARK

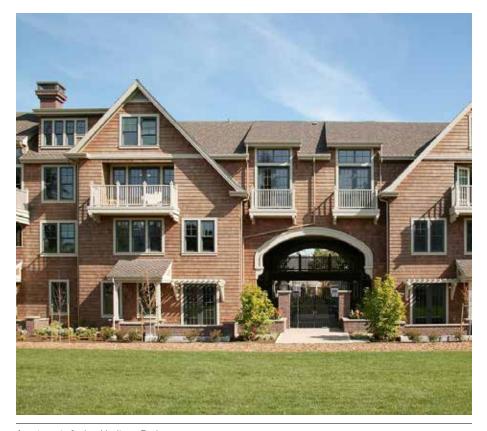
### Bryant Street and Channing Avenue PALO ALTO, CA

This project is one portion of the redevelopment of the former Palo Alto Medical Foundation site near University Avenue. The block combines residential, office, and open space uses. The Woodmark project has 36 for-sale, multi-family luxury condominiums. Covered porches and stoops face adjacent streets and the interior courtyard.

- → Substantial setbacks with front gardens, stoops and covered porches
- → Window openings and massing modulation on all sides
- → Significant roof modulation, variation, and shaping
- → Deep eaves, porches, roof projections, balconies and window reveals
- → All underground parking

DEVELOPER	SummerHill Homes	
COMPLETED	2005	
BUILDER	Vance Brown, Inc.	
ACRES	~1.12	
UNITS	46	
DU/ACRE	41 average gross (average combined with The Channing)	
PRODUCT	multi-family apartments (avg. 1,300-2,300 sf)	
AFFORDABLE	-	
OPEN SPACE	park, courtyard (2 acres, part of Heritage Park)	
RETAIL	-	
OFFICE	48,000 sf	
OTHER	Part of University Park development with the Channing and Weatherly	
PARKING SPACES	77 (below-grade garage)	
PARKING RATIO	2.14:1	
TRANSIT	-	
GREEN	-	





Apartments facing Heritage Park

### THE CHANNING, UNIVERSITY PARK

### Waverly Street and Channing Avenue PALO ALTO, CA

This project is a second portion of the redevelopment of the former Palo Alto Medical Foundation site near University Avenue. The block combines residential, office, and open space. The Channing project has 10 for-sale, single-family luxury homes. Residences face the main street or the linear park adjacent to the Woodmark. An internal mews provides access to detached garages with additional units for studio apartments or guests. Covered porches and stoops face adjacent streets and the interior courtyard.

- → Substantial setbacks with front gardens, side and rear gardens
- → Window openings and massing modulation on all sides
- → Significant roof modulation, variation, and shaping
- → Deep eaves, porches, roof projections, balconies and window reveals

DEVELOPER	SummerHill Homes	
COMPLETED	2005	
BUILDER	Vance Brown, Inc.	
ACRES	~4.1	
UNITS	10	
DU/ACRE	41 average gross (average combined with The Woodmark)	
PRODUCT	single-family detached, studios over garage (2,700-3,400 SF)	
AFFORDABLE	-	
OPEN SPACE	park (2 acres, part of Heritage Park)	
RETAIL	-	
OFFICE	48,000 sf	
OTHER	Part of University Park development with the Woodmark and Weatherly	
PARKING SPACES	~30 (private garage)	
PARKING RATIO	3:1	
TRANSIT	-	
GREEN	-	





Single-family facing Weverley Street

# **FORM-BASED CODE:**

**Typologies** 

Criteria

**Samples** 

### TYPOLOGIES—RESIDENTIAL



1. SMALL-LOT SINGLE FAMILY



2. SINGLE-FAMILY TOWNHOUSE



3. MULTI-FAMILY TOWNHOUSE



4. MULTI-FAMILY APARTMENT



**5. MULTI-FAMILY APARTMENT (PODIUM)** 



6. MULTI-FAMILY APARTMENT (w/ RETAIL)

### TYPOLOGIES—RETAIL and LIGHT INDUSTRIAL





7. LOCAL RETAIL

8. LIGHT INDUSTRIAL/PRODUCTION

### 1. SINGLE-FAMILY



#### MICRO LOT



STANDARD SMALL LOT

### DU/ACRE LOT SIZE **PARKING**

LOT COVERAGE FRONT SETBACK SIDE SETBACK REAR SETBACK MAX. HEIGHT

10-15 (NET) 1,400 - 3,500 SF 2:1

70% + 35'

5' - 15' 1' - 5' 0' - 10'

### DU/ACRE LOT SIZE **PARKING**

LOT COVERAGE FRONT SETBACK SIDE SETBACK REAR SETBACK MAX. HEIGHT

8-12 (NET) 3,500 - 5,000 SF 2:1

~60% 10' - 20' 5' - 10' 0' - 20' 35'

### 2. TOWNHOUSE





# LOT SIZE **PARKING**

LOT COVERAGE FRONT SETBACK SIDE SETBACK REAR SETBACK MAX. HEIGHT

**DU/ACRE** 12-35 (NET) 1,500 + SF2:1

> 70-90% 5' - 10' 0'35'

### 3. MULTI-FAMILY TOWNHOUSE





# LOT SIZE **PARKING**

LOT COVERAGE FRONT SETBACK SIDE SETBACK **REAR SETBACK** MAX. HEIGHT

**DU/ACRE** 17-35 (NET) N/A 2:1

> 70-90% 5' - 10' N/A 35'

### 4. MULTI-FAMILY APARTMENT





# LOT SIZE PARKING

LOT COVERAGE FRONT SETBACK SIDE SETBACK REAR SETBACK MAX. HEIGHT

**DU/ACRE** 25-75 (NET) N/A 1:1 - 2:1

> 80-95% 5' - 10' 0' - 5' N/A 55'

### 5. MULTI-FAMILY APARTMENT (PODIUM)





# LOT SIZE PARKING

LOT COVERAGE FRONT SETBACK SIDE SETBACK REAR SETBACK MAX. HEIGHT

**DU/ACRE** | 25-75 (NET) N/A 1:1 - 2:1

> 90-100% 0' - 5' 0' - 5' N/A 55'

### 6. MULTI-FAMILY APARTMENT (W/ RETAIL)





# LOT SIZE PARKING

LOT COVERAGE FRONT SETBACK SIDE SETBACK REAR SETBACK MAX. HEIGHT

**DU/ACRE** | 25-75 (NET) N/A 1:1 - 2:1

> 95-100% 0'N/A 55'

### 7. LOCAL RETAIL





# AREA LOT SIZE PARKING

LOT COVERAGE FRONT SETBACK SIDE SETBACK REAR SETBACK MAX. HEIGHT 1-3,000 SF N/A 3:1000 SF

N/A 0' - 5' N/A N/A ground floor — 1 tall level

### 8. LIGHT INDUSTRIAL/PRODUCTION



# AREA LOT SIZE PARKING

15-60K SF 1-2 ACRES 1:1,000 SF

(1: 2,000 SF after 20,000 SF)



LOT COVERAGE FRONT SETBACK SIDE SETBACK REAR SETBACK MAX. HEIGHT 25-80%

N/A

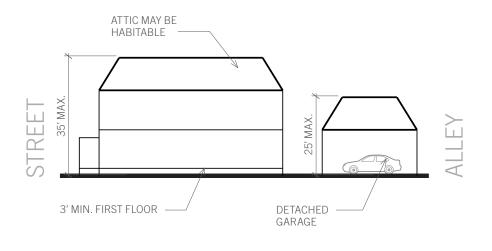
N/A

N/A

40' (1 tall warehouse level)

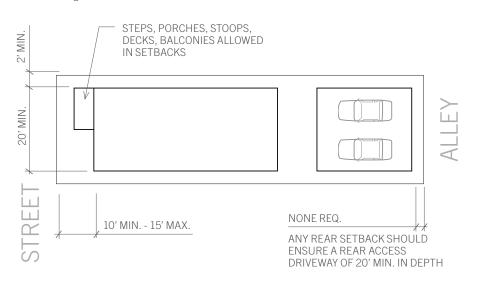
### **SINGLE FAMILY HOUSE (MICRO)**

# draft sample



LOT OCCUPATION	Lot Area:	1,400 sf minimum - 3,500 sf maximum
	Lot Coverage:	65% maximum
SETBACKS	Front:	10 feet minimum - 15 maximum
	Side:	2 feet minimum
	Rear:	no required setback
FRONTAGE		20' minimum
HEIGHT	Principal Building:	35 feet maximum
	Out Building:	25 feet maximum in case of detached garage
PARKING	Spaces:	minimum 1/unit - maximum 2/ unit
	Area:	22' x 24' maximum
	Type/Access:	Rear access only. Side yard access permitted on corner
USES		Residential
BLOCKS		Any but 14, 18, 22, 24, 42, 43, 44, 48

#### Section Diagram



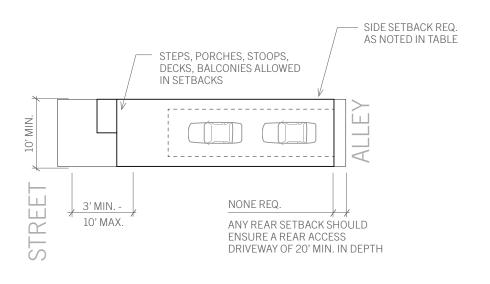


Railroad Avenue, Promenade District, Hercules

### **TOWNHOUSE**

# STREET 35' MAX. 3' MIN. FIRST FLOOR

Section Diagram



# draft sample

LOT OCCUPATION	Lot Area:	680 sf minimum - 1,400 sf maximum
	Lot Coverage:	95% maximum
SETBACKS	Front:	3 feet minimum - 10 feet maximum
	Side:	None required except 3 feet minimum for corner lot.
	Rear:	None required
FRONTAGE		10 feet minimum
HEIGHT	Principal Building:	35 feet maximum
	Out Building:	n/a
PARKING	Spaces:	minimum 1/unit - maximum 2/unit
	Area:	22'x24' maximum (parallel). 12'x40' (maximum tandem)
	Type/Access:	Rear access only. Side yard access permitted on corner
USES		Residential. First floor units may have Retail or Live-Work.
BLOCKS		Any but 14, 18, 22, 24, 42, 43, 44, 48



Zephyr Gate, Oakland

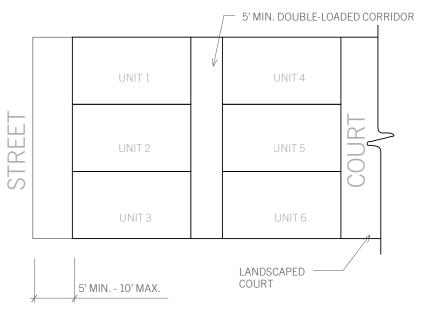
### **MULTI-FAMILY**

# draft sample

	¥		/	LIVE-WORK & COMMERC USES PERMITTED	CIAL
STREET	65' MAX.				COURT
	7	RESIDENTIAL:	18" M	F FLOOR FLUSH WITH SIC IN. HEIGHT IENTED TO STREET	DEWALK

LOT OCCUPATION	Lot Area:	1.75 acres maximum
	Lot Coverage:	
SETBACKS	Front:	5 feet minimum - 10 feet maximum
	Side:	5 feet minimum - 10 feet maximum
	Rear:	5 feet minimum - 10 feet maximum
FRONTAGE		n/a
HEIGHT	Principal Building:	55 feet maximum
	Out Building:	n/a
PARKING	Spaces:	minimum 1/unit - maximum 2/unit
	Area:	n/a
	Type/Access:	Front, side, or rear access not to exceed 20 feet width.
USES		Residential. First floor units may have Retail or Live-Work.
BLOCKS		Any but 14, 18, 22, 24, 42, 43, 44, 48

Section Diagram

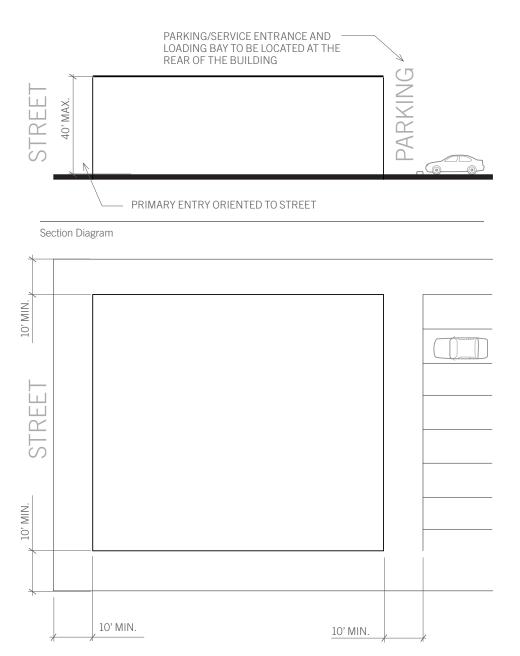




Plan Diagram Vue 46, Emeryville

### **LIGHT INDUSTRIAL/PRODUCTION**

# draft sample



LOT OCCUPATION	Lot Area:	1 acre minimum - 3 acre maximum
	Lot Coverage:	85% maximum
SETBACKS	Front:	10 feet minimum
	Side:	10 feet minimum
	Rear:	10 feet minimum
FRONTAGE		N/A
HEIGHT	Principal Building:	40 feet maximum (incl. any equipment on roof)
	Out Building:	N/A
PARKING	Spaces:	1/1000 for first 20,000 GSF. 1/2000 above 20,000 GSF.
	Area:	N/A
	Type/Access:	Front, side, or rear access not to exceed 20 feet width
USES		Light Industrial. Permitted: Accessory Commercial, Retail
BLOCKS		43, 44



Plan Diagram

Tomales Bay Foods, Point Reyes Station

# **DESIGN GUIDELINES:**

# **DESIGN GUIDELINES**

### 01. Introduction

- → 1.1 Intent
- → 1.2 Project Overview
- → 1.3 Regulatory Framework
- → 1.4 Approvals Process
- → 1.5 Site Setting
- → 1.6 Development Plan
- → 1.7 Design Objectives
- → 1.8 User Guide

### **02.** Design Frameworks

- → 2.1 Role of design frameworks
- → 2.2 Urban design concept & objectives
- → 2.3 Public realm plan
- → 2.4 Development Zones
- → 2.5 Streets and build-to lines

### 03. Form-Based Code

- → 3.1 Small-lot Single Family
- → 3.2 Courtyard Single Family
- → 3.3 Townhouses
- → 3.4 Multi-family Townhouses

- → 3.5 Multi-family Apartments (surface)
- → 3.6 Multi-family Apartments (tuck-under)
- → 3.7 Multi-family Apartments (podium)
- → 3.8 Multi-family Apartments with Retail
- → 3.9 Local Retail
- **→ 3.10** Hotel
- **→ 3.11** Office
- → 3.12 Light Industrial
- → 3.13 Pavilions

### **04.** Design Standards and Guidelines

- → 4.1 Residential Guidelines
- → 4.2 Retail Guidelines
- → 4.3 Signage Guidelines

### 05. Public Realm

- → **5.1** Streets
- → 5.2 Open Spaces

### **06.** Sustainability Guidelines

- → **6.1** Goals
- → 6.2 Guidelines

### **04.** Design Standards and Guidelines

# RESIDENTIAL

#### ARCHITECTURAL CHARACTER

Architectural Stylebook

#### FORM + ORIENTATION

Proportion

Siting

Scale

Orientation

Corners

Main façade

**Building walls** 

#### FRONTAGE + SETBACKS

Street Variety

Entries

Stoops

Porches

**Projections** 

#### **ARCHITECTURAL DETAILS**

Windows

Doors

Roofs (eaves, dormers)

Balconies

Columns and railings

### **FAÇADE COMPOSITION**

#### **MATERIALS**

Local precedents Material detailing

#### PARKING + SERVICE

Access / Orientation Garage doors Alleys / Service

#### PRIVATE LANDSCAPE

Common open spaces Landscape elements Fences, walls, trellis Lighting

### **04.** Design Standards and Guidelines

# **RETAIL**

STREET FRONTAGE

**ENTRIES** 

WINDOWS AND TRANSPARENCY

**AWNINGS AND MARQUEES** 

**PROJECTIONS** 

**MATERIALS** 

LIGHTING

**SERVICE AND ACCESS** 

**PARKING** 

### SIGNAGE

**TYPES** 

**PLACEMENT** 

SIZE

**MATERIALS** 



# **NEXT STEPS...**