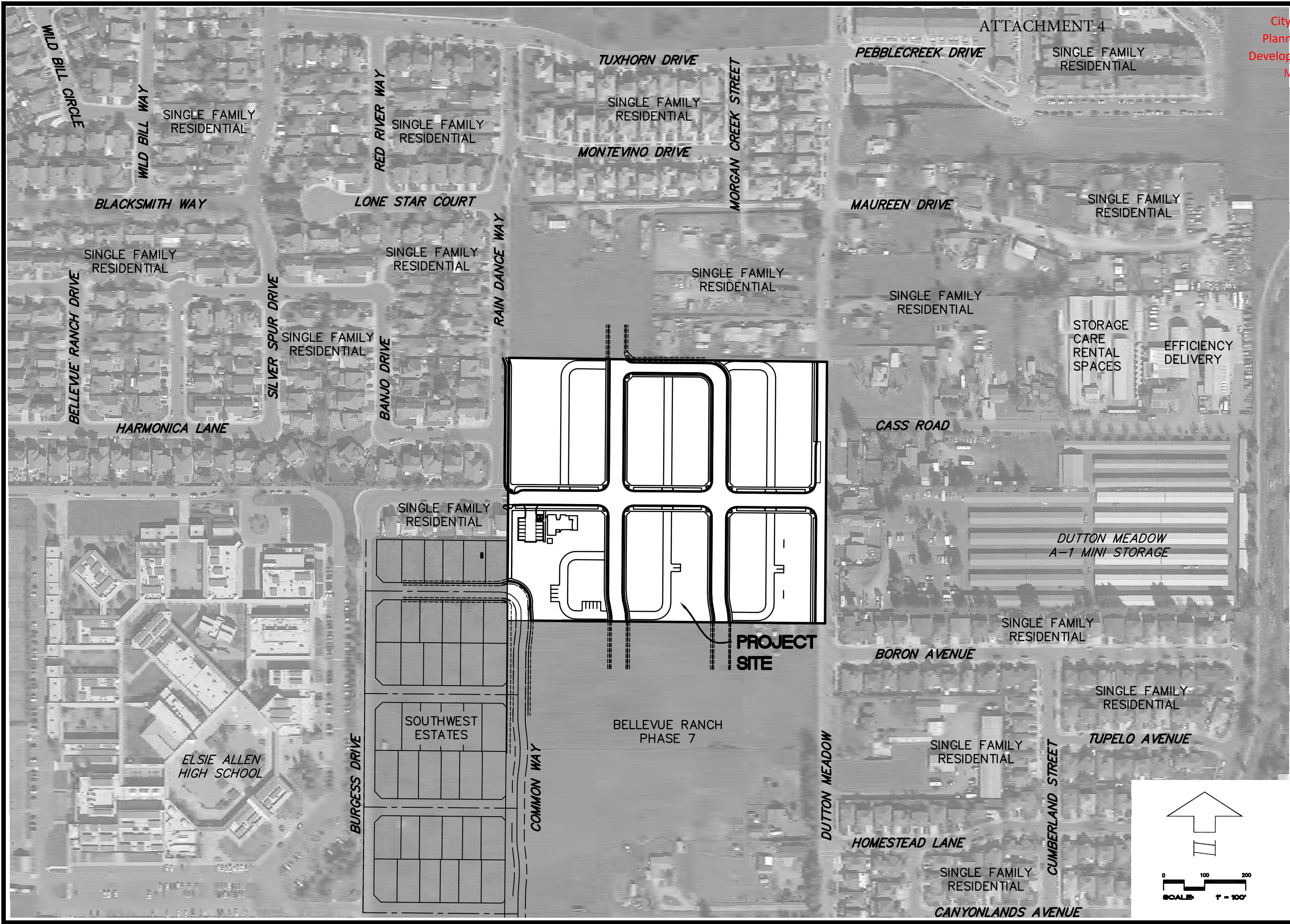




ATTACHMENT 4

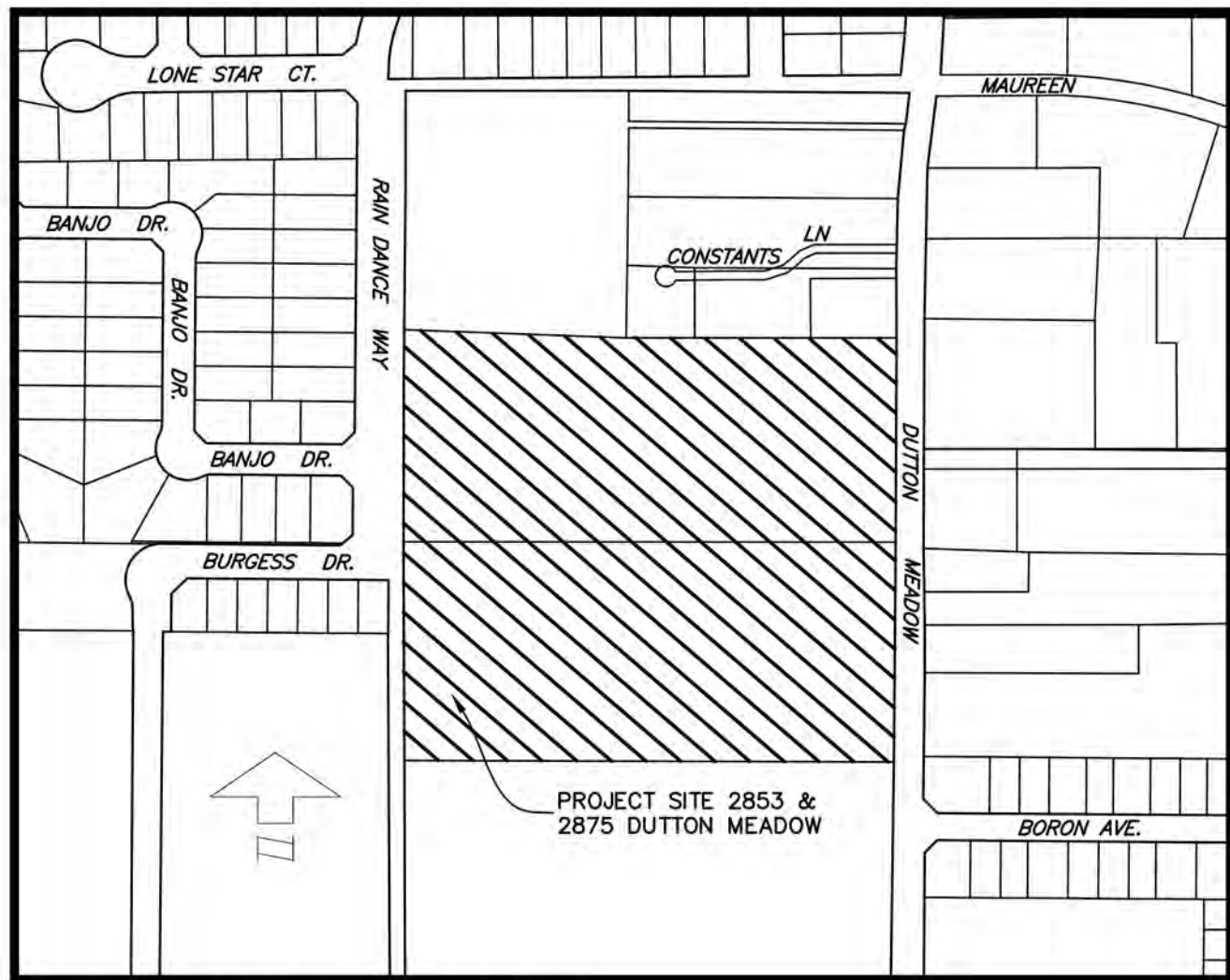
City of Santa Rosa
Planning & Economic
Development Department
Mar 26, 2021
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CIVIL DESIGN CONSULTANTS, INC.
2200 Range Avenue, Suite 204
Santa Rosa, CA 95403
(707) 542-4820

NEIGHBORHOOD CONTEXT
MEADOWOOD RANCH
2858 AND 2876 DUTTON MEADOW
SANTA ROSA, CALIFORNIA
APN 048-111-005, 006
FEBRUARY 2021

JOB NO.
20-117
SHEET NO.
1
OF 1 SHEETS



LOCATION MAP

NO SCALE

SITE COVERAGE

GROSS SITE AREA 11.34 ACRES
GROSS PROJECT DENSITY 8.0 LOTS/ACRE

LOW DENSITY RESIDENTIAL: 2.0-8.0 LOTS/ACRE

8.0 LOTS/ACRE x 11.34 ACRES = 90.27 LOTS
= 90 LOTS MAX

PRELIMINARY LOT COUNT: 90
DUPLEX UNITS: 84
SINGLE UNITS: 6

PARKING

REQUIRED PARKING PER ZONING CODE:

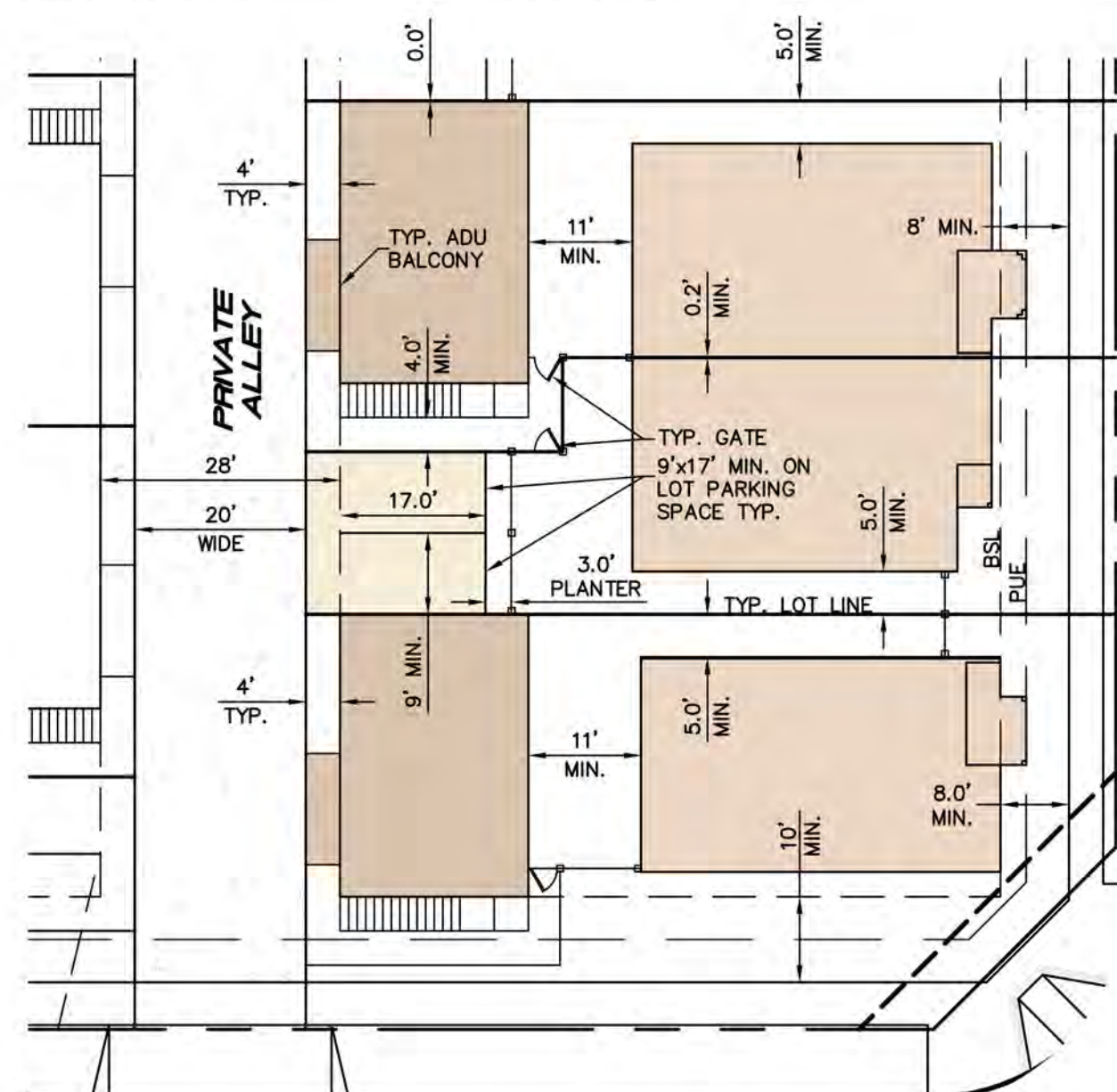
DUPLEX UNITS = 1 SPACE (COVERED) &
1.5 SPACES (VISITOR)
REQUIRED 84 COVERED
126 VISITOR

SINGLE UNITS = 4 SPACES
REQUIRED 6 COVERED
18 UNCOVERED

TOTAL REQUIRED 90 COVERED
18 UNCOVERED
126 VISITOR
234 SPACES

PARKING PROVIDED:

GARAGE PARKING: 144 SPACES
ON-LOT PARKING: 81 SPACES
STREET PARKING: 123 SPACES
ALLEY PARKING: 9 SPACES
COMMUNITY BUILDING PARKING: 12 SPACES
TOTAL PARKING: 369 SPACES



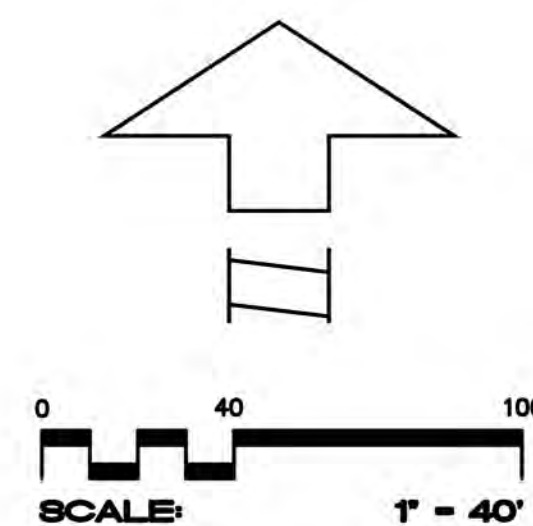
TYP. DUET AND SINGLE UNITS DETAIL

NO SCALE

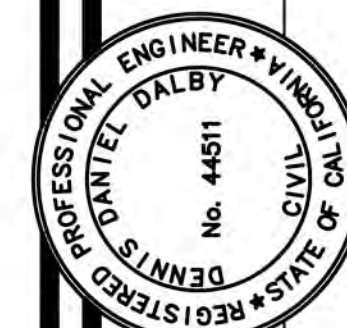


SITE PLAN

SCALE: 1"=40'



City of Santa Rosa
Planning & Economic
Development Department
Mar 26, 2021
RECEIVED



DATE
DENNIS D. DALBY
ROE 44511

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DEVELOPMENT SITE PLAN
MEADOWOOD RANCH
FEB. 2021
11.34 ACRES
90 LOTS
1 COMMON PARCEL
APN 043-111-005, 006
DOC. NO. 2002-008699
SANTA ROSA, CALIFORNIA

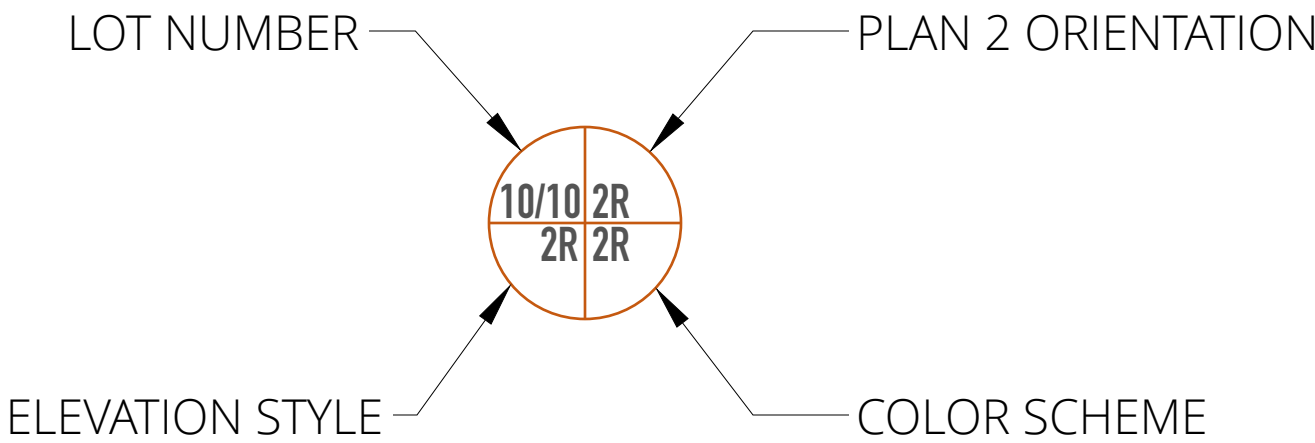
JOB NO.
20-117

SHEET NO.

1

OF 1 SHEETS

SYMBOL LEGEND

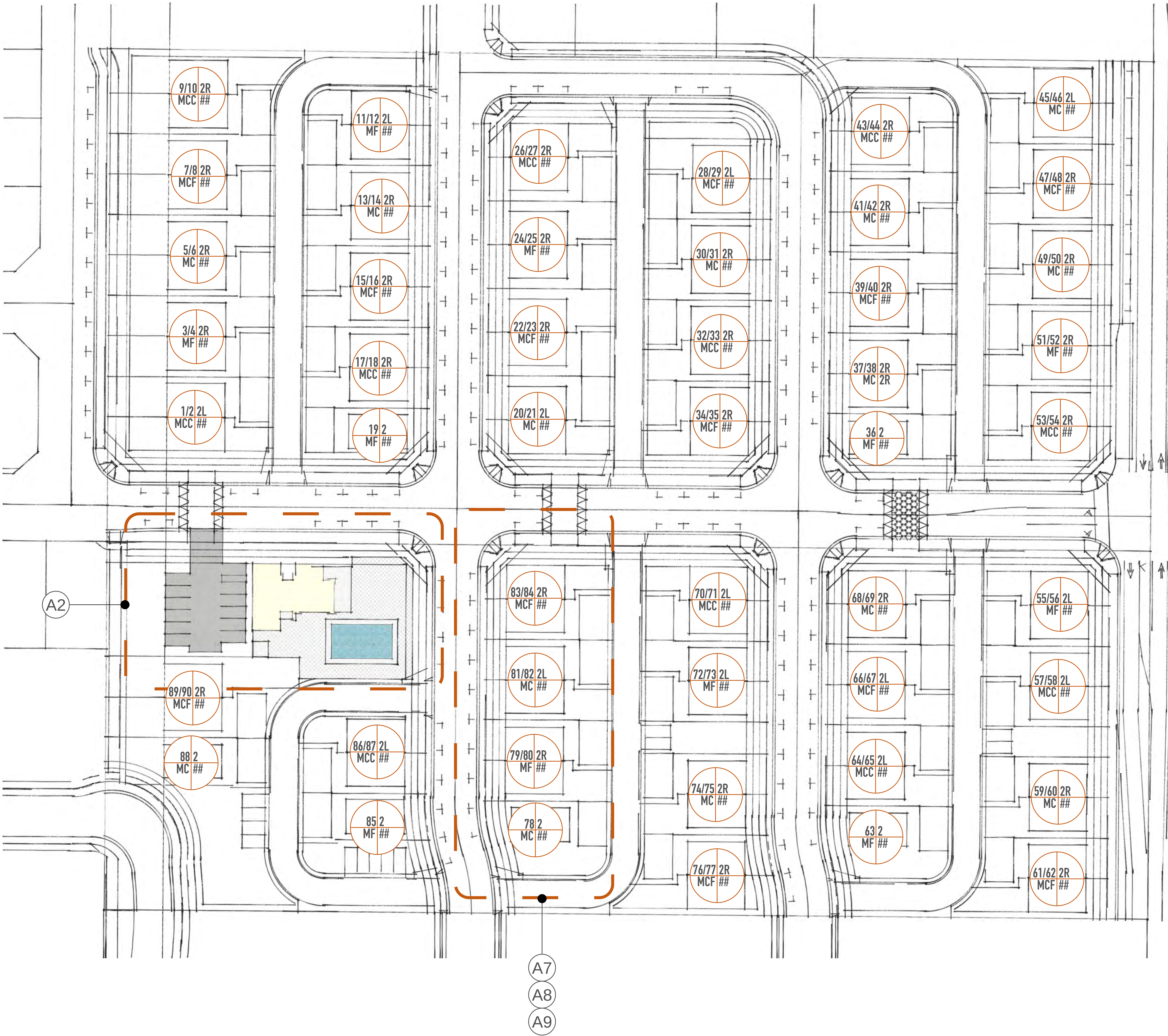


KEY TO STYLES

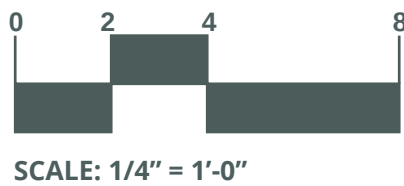
- MF = MODERN FARMHOUSE
- MC = MODERN COTTAGE
- MCF = MID-CENTURY FARMHOUSE
- MCC = MID-CENTURY COTTAGE

PRE-PLOT DATA

LOT. #	MF	MC	MCF	MCC	
1 2				X	
3 4	X				
5 6		X			
7 8			X		
9 10				X	
11 12	X				
13 14		X			
15 16			X		
17 18				X	
19	X				
20 21		X			
22 23			X		
24 25	X				
26 27				X	
28 29			X		
30 31		X			
32 33				X	
34 35			X		
36	X				
37 38		X			
39 40			X		
41 42		X			
43 44				X	
45 46		X			
47 48			X		
49 50		X			
51 52	X				
53 54				X	
55 56	X				
57 58				X	
59 60		X			
61 62			X		
63	X				
64 65				X	
66 67			X		
68 69		X			
70 71				X	
72 73	X				
74 75		X			
76 77			X		
78		X			
79 80	X				
81 82		X			
83 84			X		
85	X				
86 87				X	
88		X			
89 90			X		
	11	14	12	11	48



SCHEMATIC PRE-PLOT SITE PLAN



JD+A JOB NUMBER: 20084
DATE: 02.09.2021

A1

02.09.2021 | PROGRESS SET

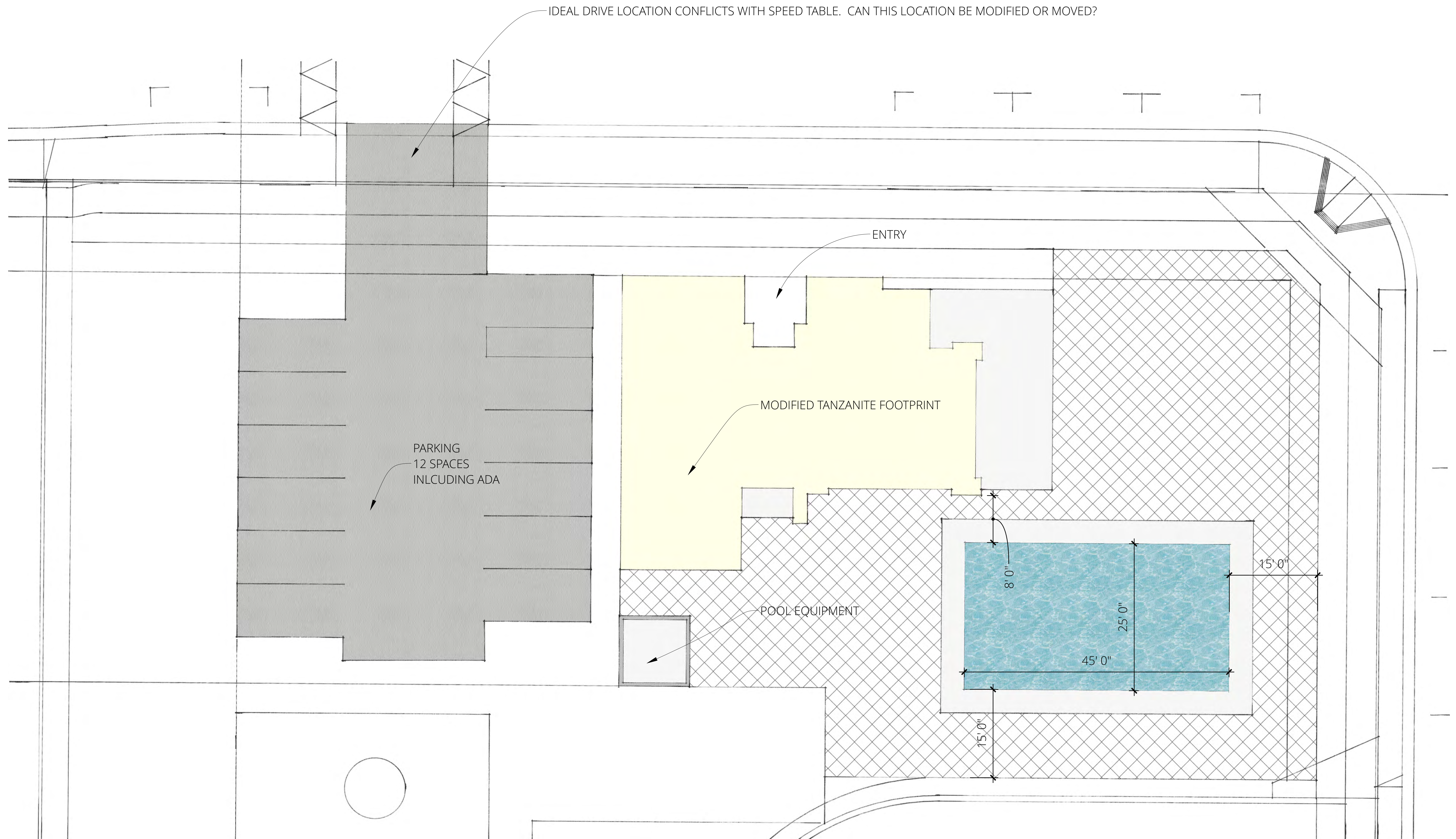


MEADOWOOD RANCH
CITY OF SANTA ROSA, CALIFORNIA

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5905 GRANITE LAKE DRIVE | GRANITE BAY | CALIFORNIA, 95746 | 916.783.3700 | WWW.JDAARCH.COM

\\volumes\jdaarch\shared\02 PROJECTS\NEW GROWTH LIVING\20084 MEADOWOOD RANCH\01 DESIGN\02 WORKING FILES\02 LAYOUT\01 SD\20084 DUE\SD 2436L



02.09.2021 | PROGRESS SET

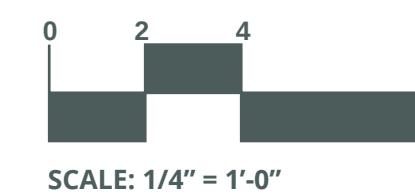


MEADOWOOD RANCH

CITY OF SANTA ROSA, CALIFORNIA

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SCHEMATIC CLUB SITE

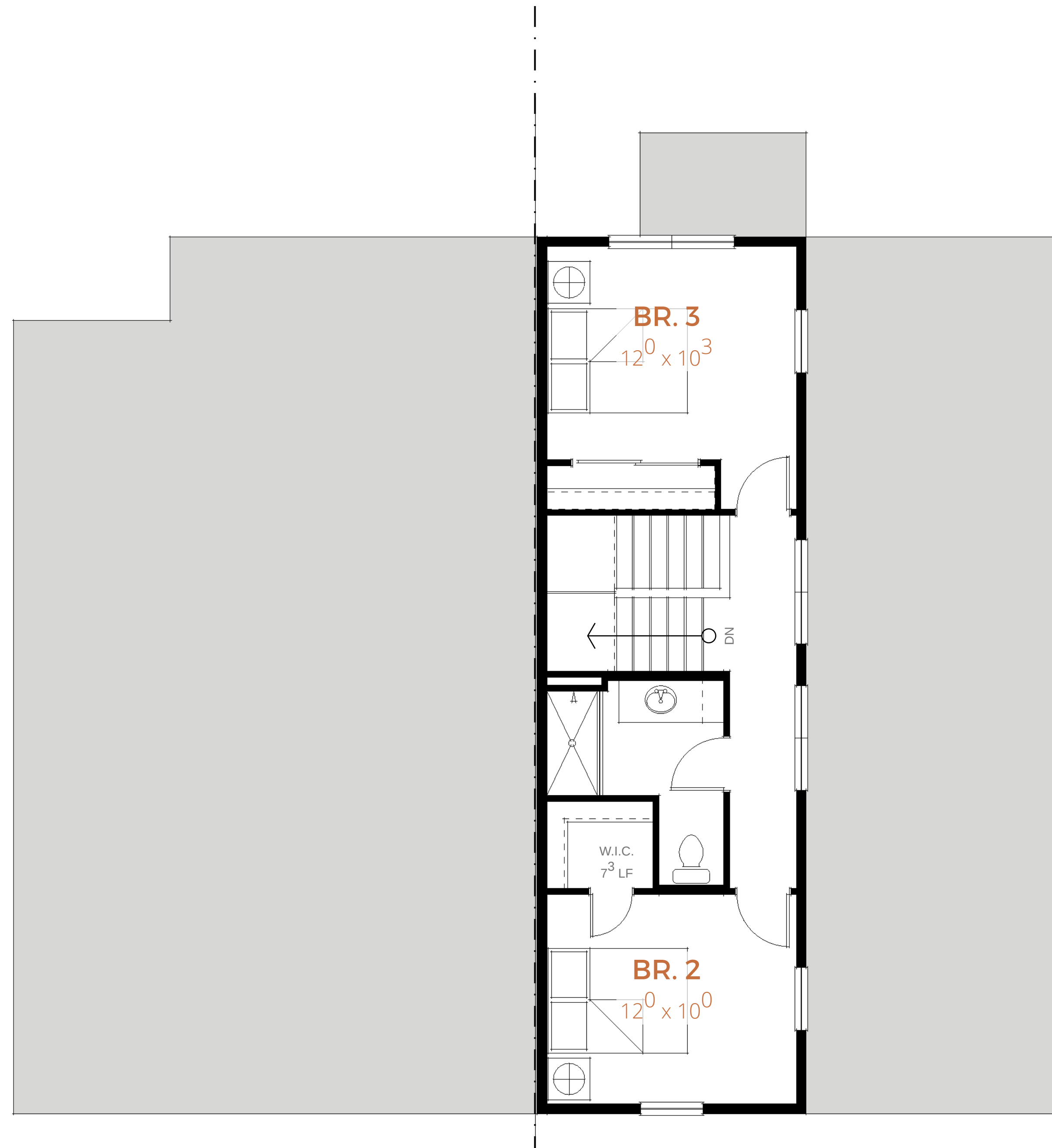


JD+A JOB NUMBER: 20084
DATE: 02.09.2021

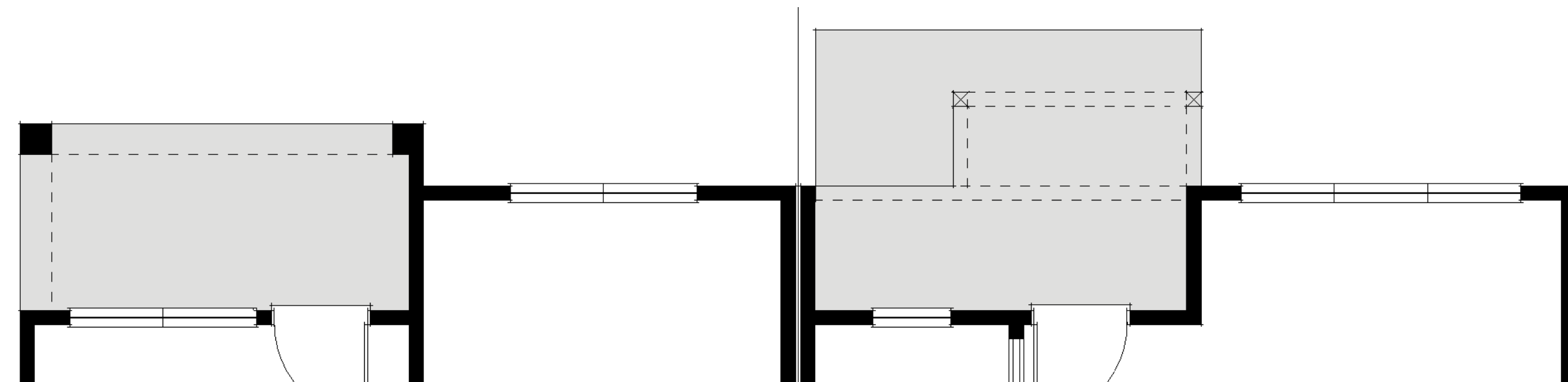
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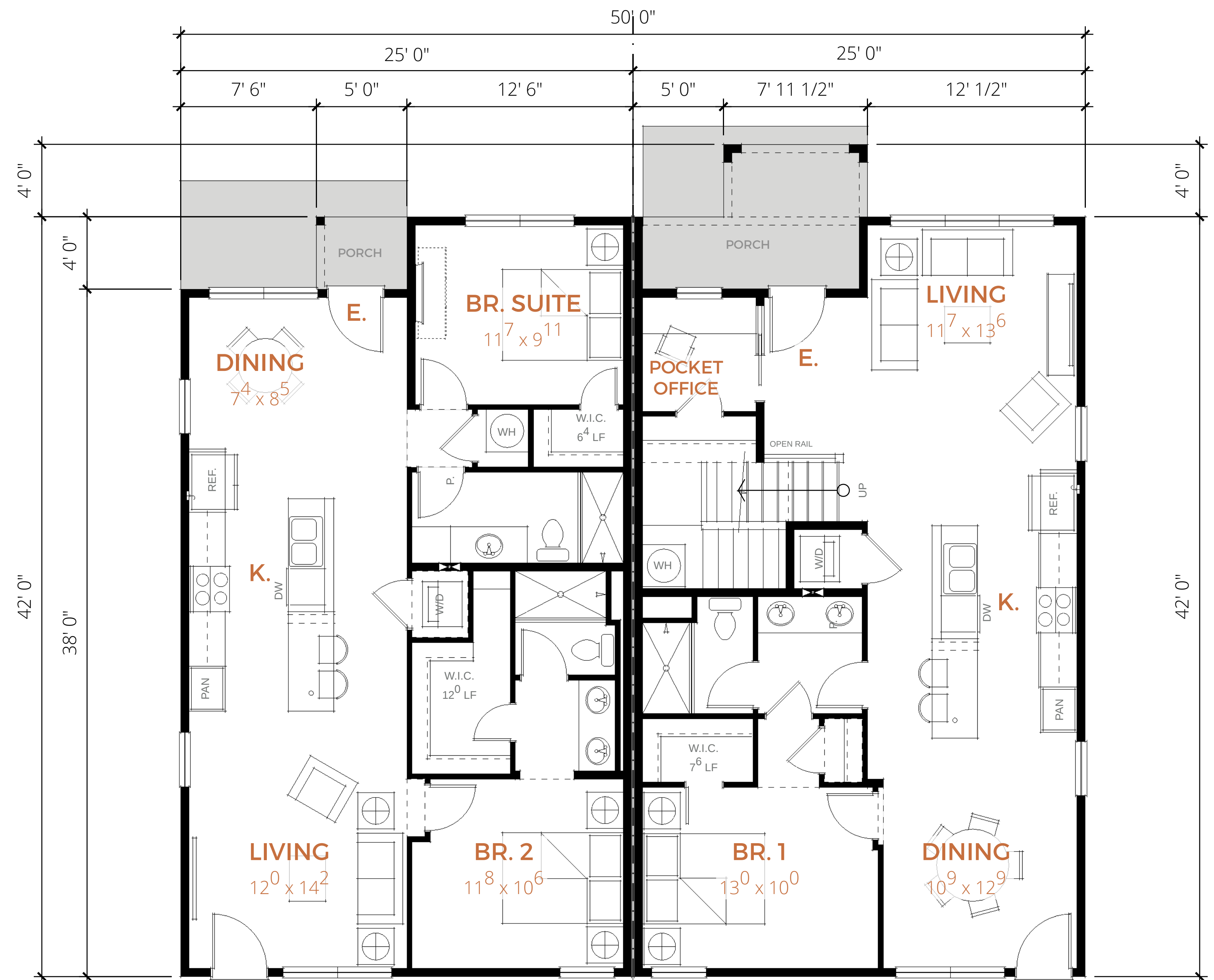


PLAN 2
UPPER FLOOR | 495 SF



PARTIAL FIRST FLOOR PLAN

*MODERN FARMHOUSE/MID-CENTURY FARMHOUSE ELEVATION SHOWN

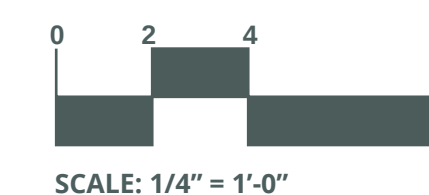


PLAN 1
MAIN FLOOR | 996 SF

PLAN 2
MAIN FLOOR | 996 SF
TOTAL 1,491 SF

*MODERN COTTAGE/MID-CENTURY COTTAGE ELEVATION SHOWN

SCHEMATIC FLOOR PLANS | DUET



JD+A JOB NUMBER: 20084
DATE: 02.09.2021

A3

02.09.2021 | PROGRESS SET

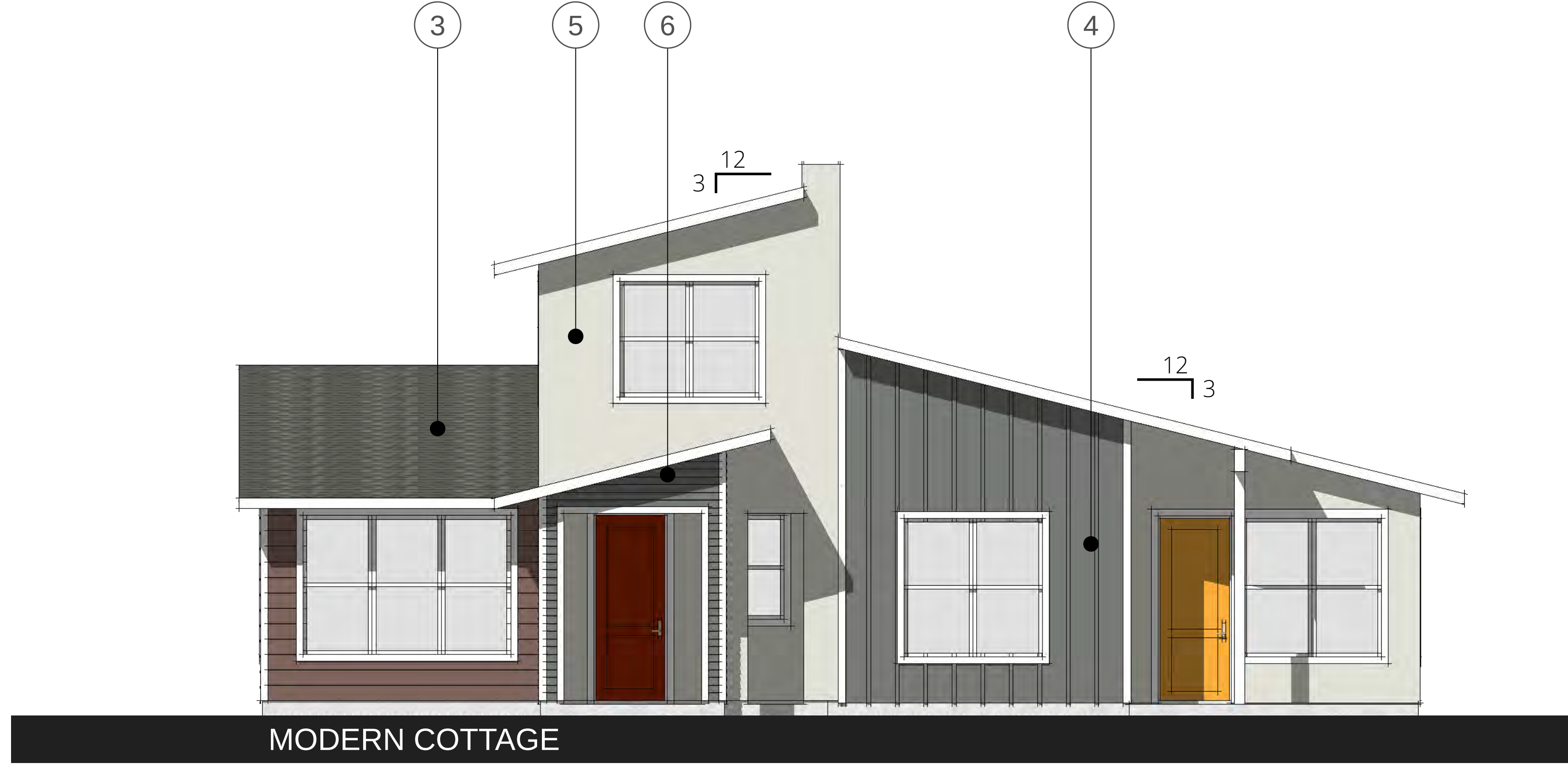
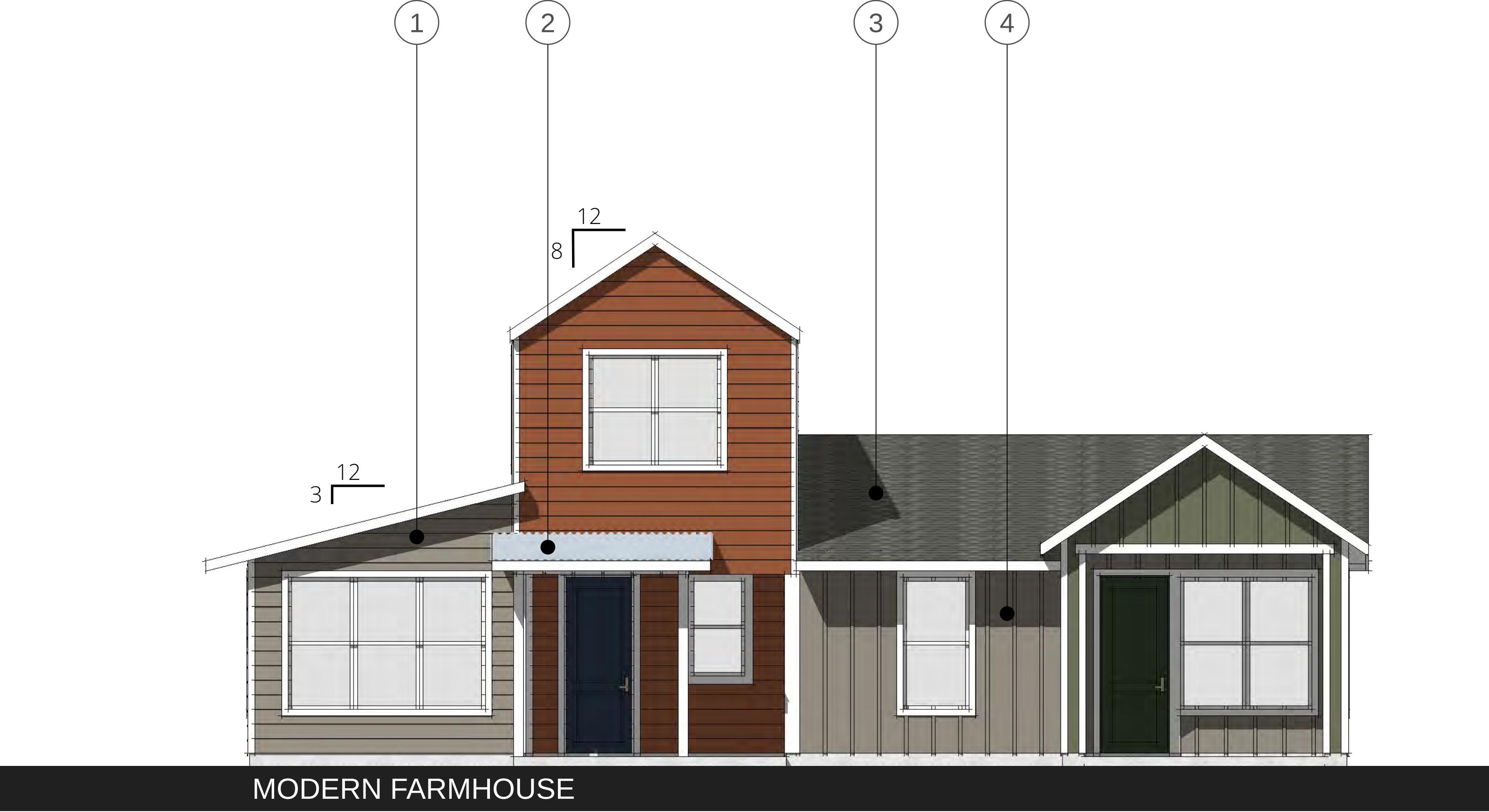


MEADOWOOD RANCH
CITY OF SANTA ROSA, CALIFORNIA

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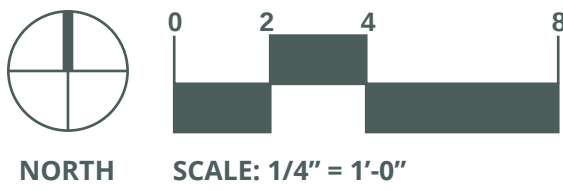


SHEET NOTES

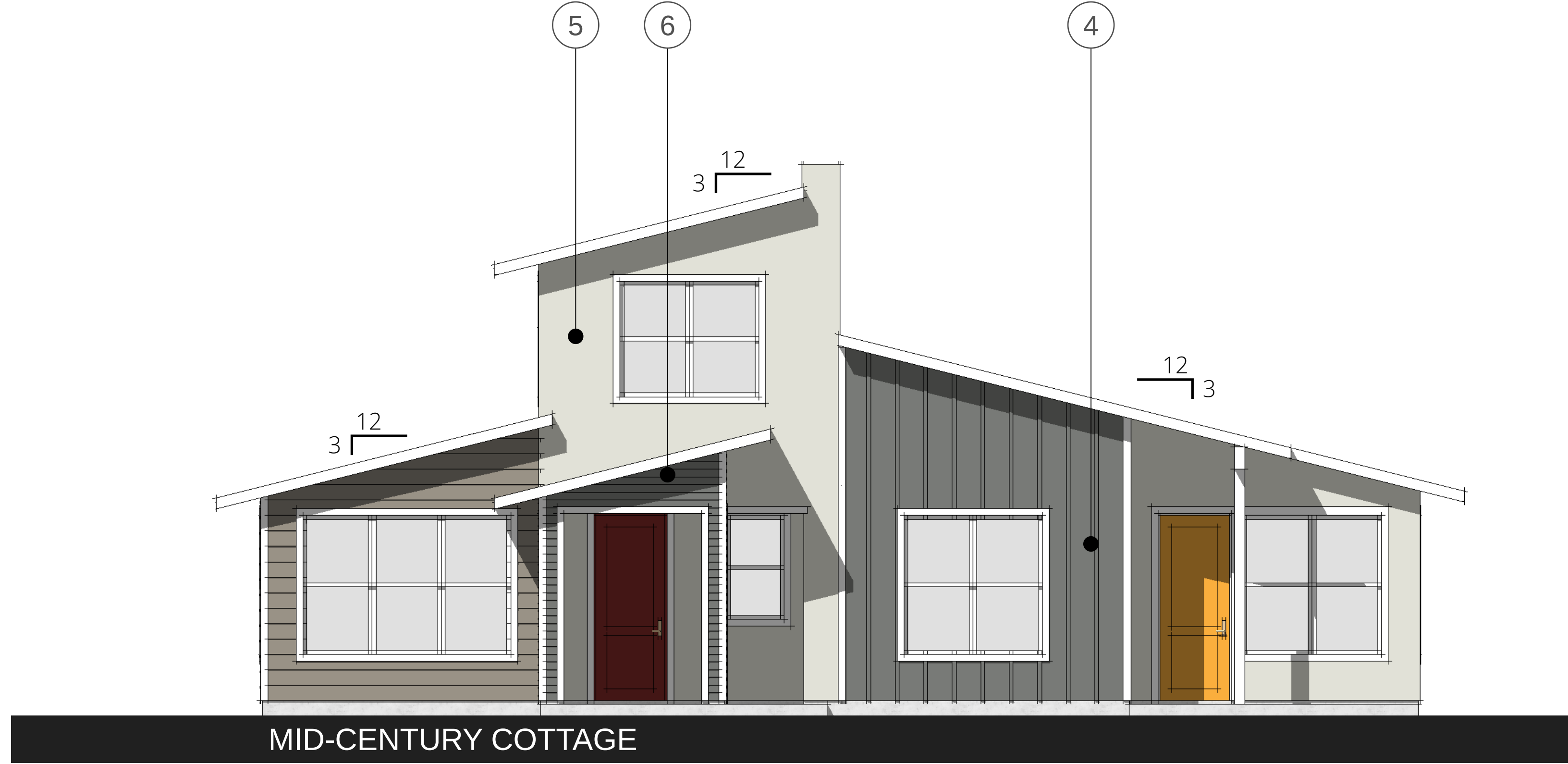
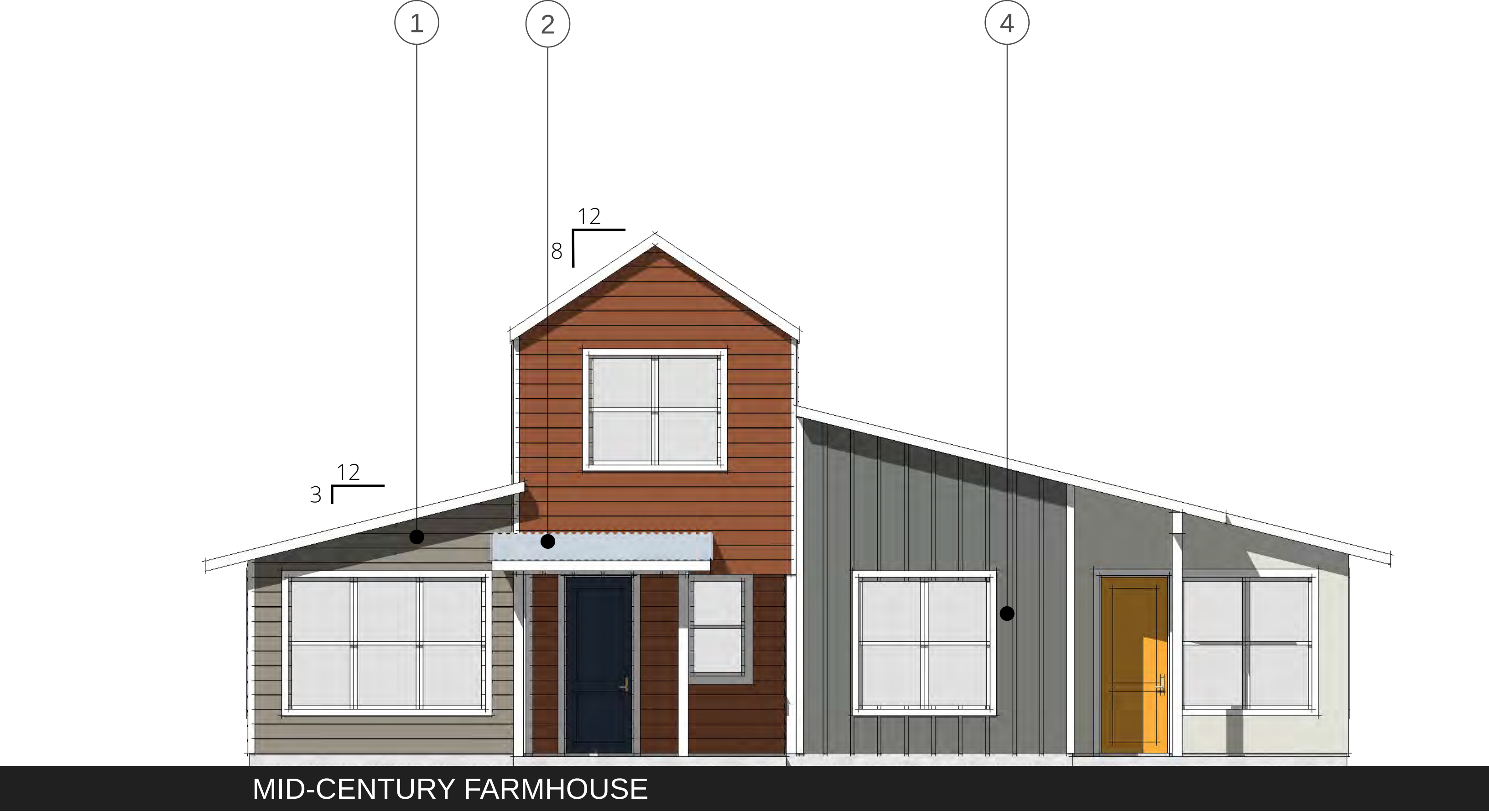
MATERIALS

- 1 HORIZONTAL LAP SIDING
8" EXPOSURE
- 2 CORRUGATED METAL
ROOFING
- 3 ARCHITECTURAL
COMPOSITION ROOFING
- 4 BOARD & BATTEN SIDING
BATTENS 16" O.C.
- 5 STUCCO
SMOOTH OR LIGHT SAND FINISH
- 6 HORIZONTAL LAP SIDING
4" EXPOSURE

SCHEMATIC ELEVATIONS



Volumes/Jdaarch/Shared/02 PROJECTS/NEW GROWTH LIVING/20084 MEADOWOOD RANCH/01 DESIGN/02 WORKING FILES/02 LAYOUT/01 SD/20084 DUE1 SD 2436L

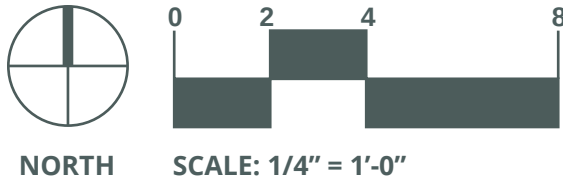


SHEET NOTES

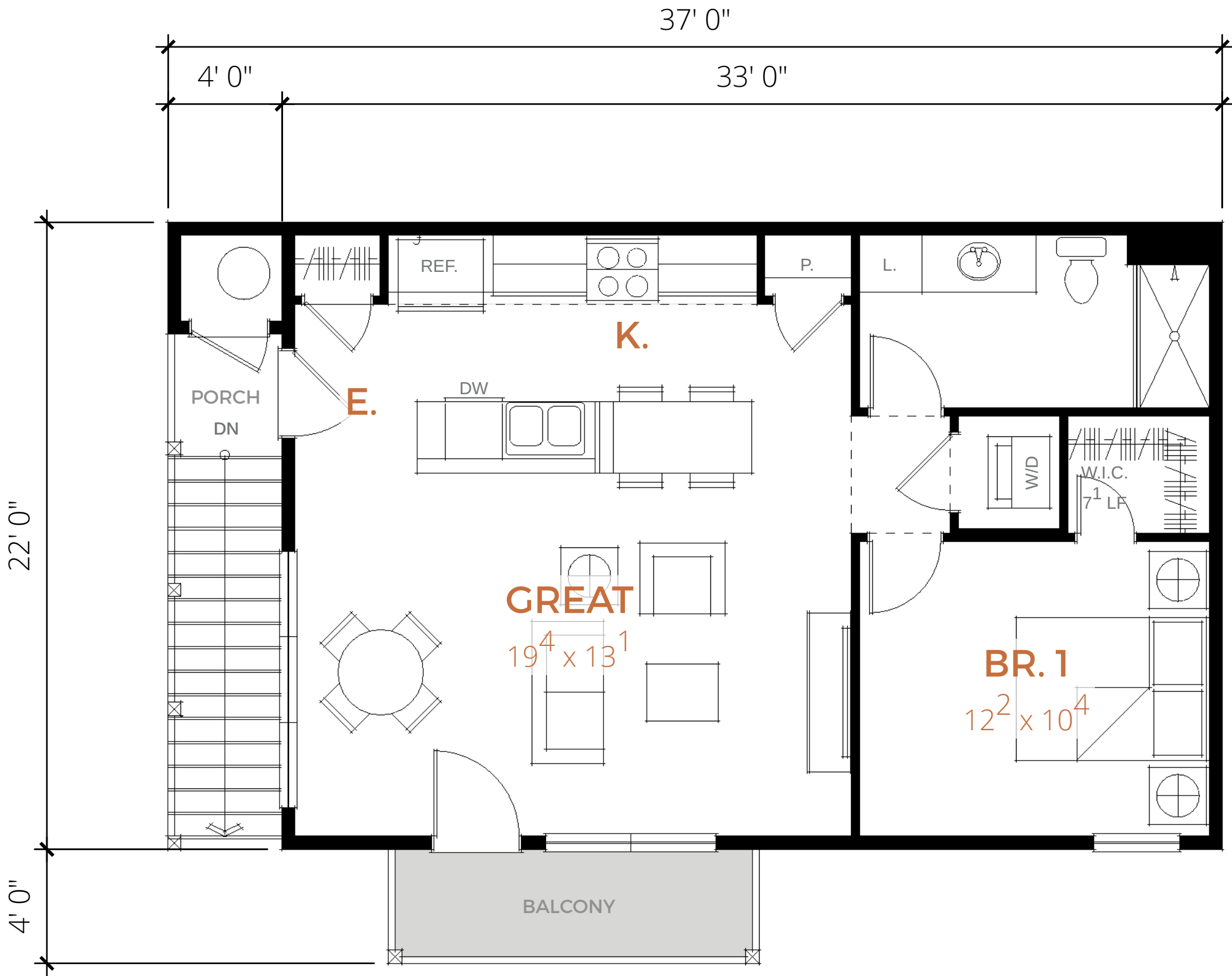
MATERIALS

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8" EXPOSURE
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4" EXPOSURE

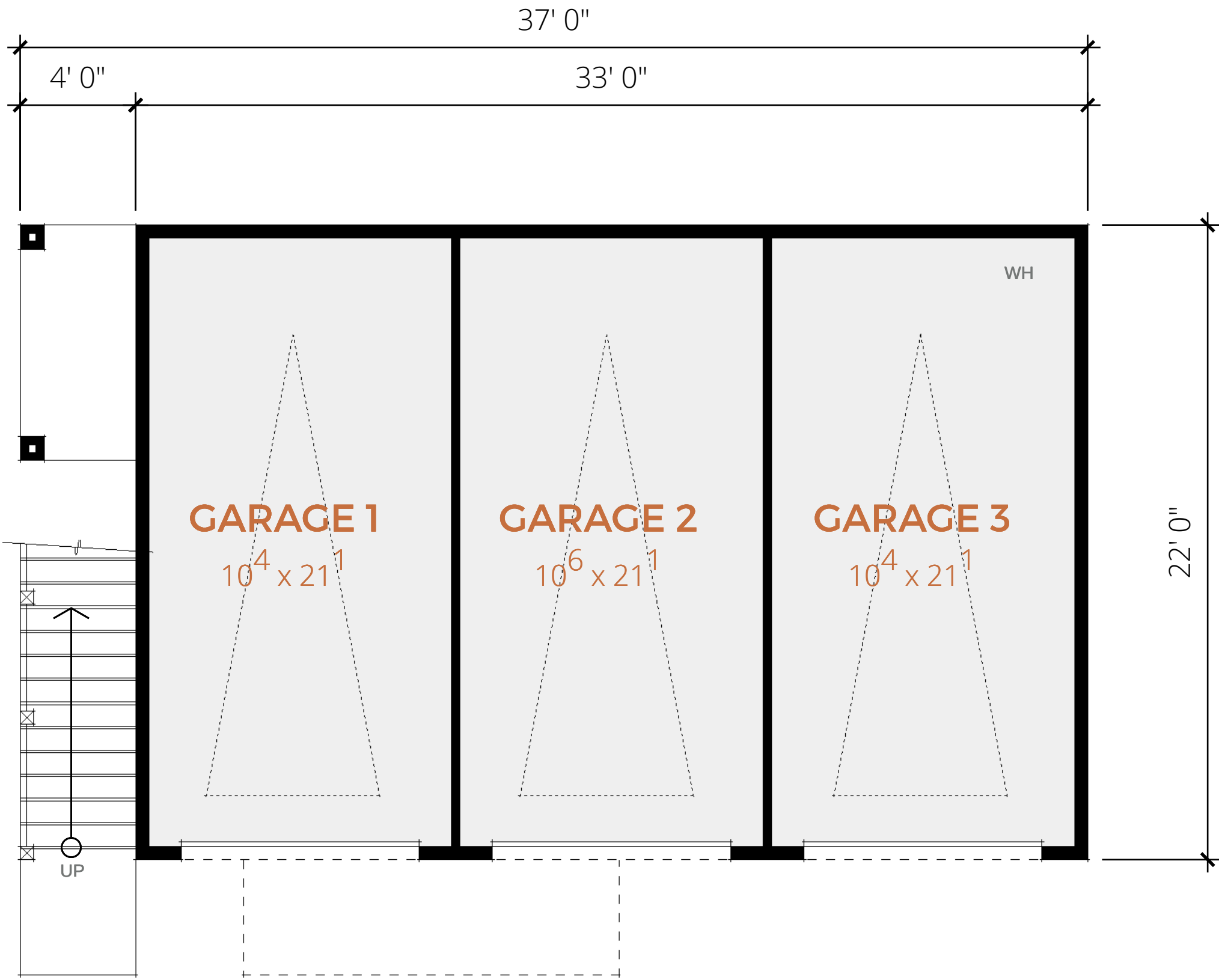
SCHEMATIC ELEVATIONS



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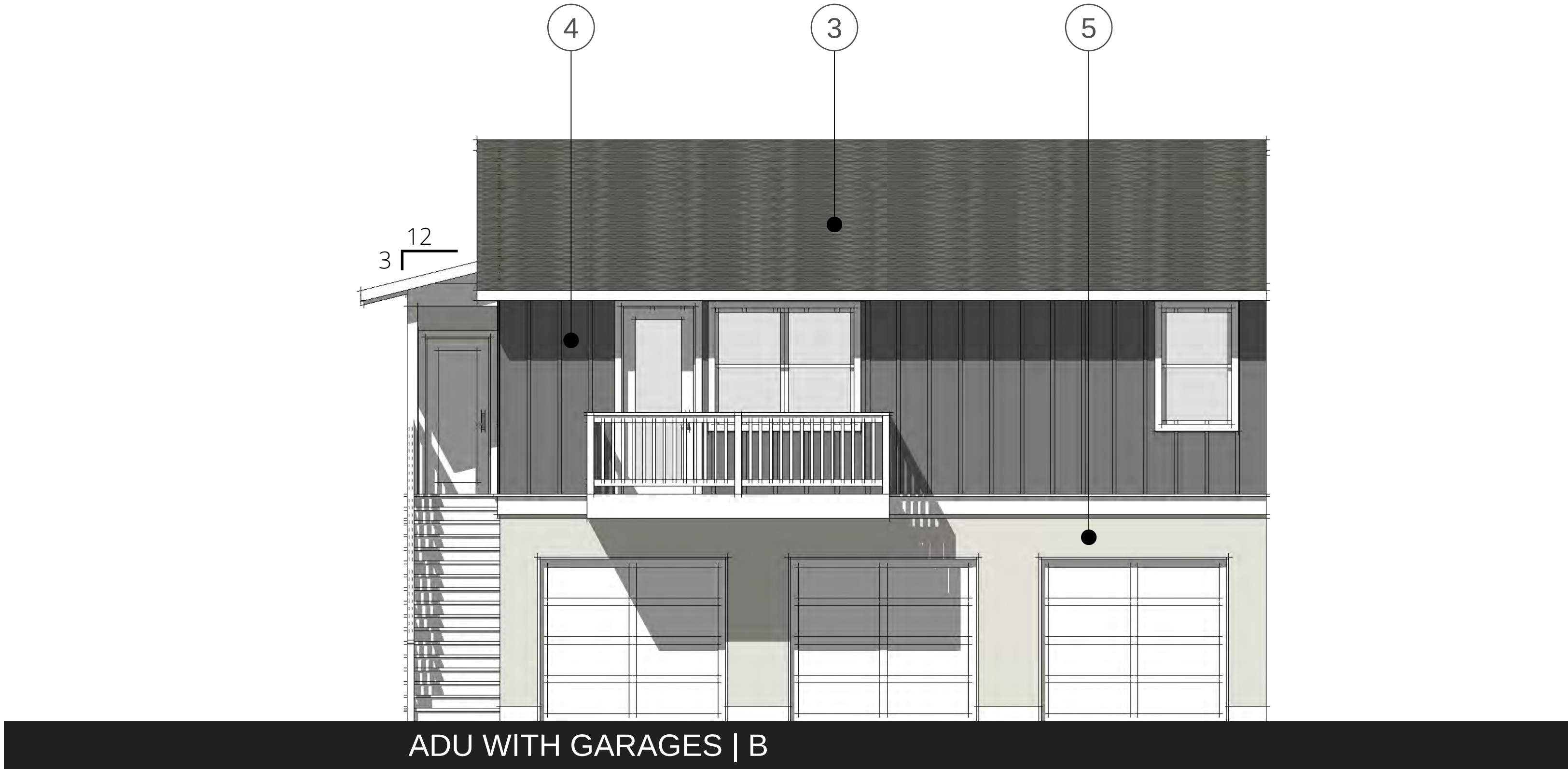
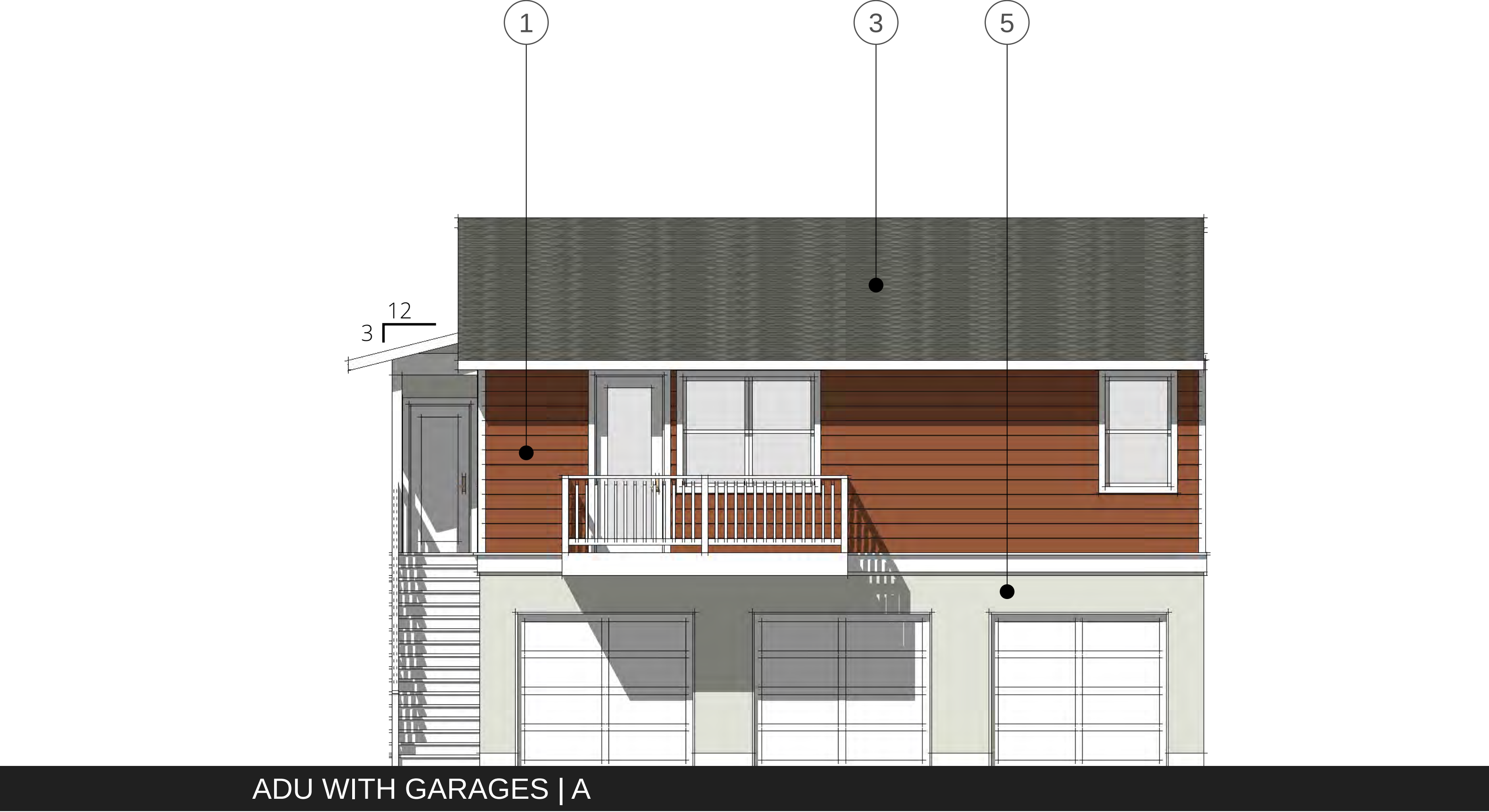


UPPER FLOOR | 726 SF



MAIN FLOOR | 726 SF (UNCONDITIONED)

\\volumes\daarch\shared\02 PROJECTS\NEW GROWTH LIVING\20084 MEADOWOOD RANCH\01 DESIGN\02 WORKING FILES\02 LAYOUT\01 SD\20084 DUE\SD 2436L



SHEET NOTES

MATERIALS

- 1 HORIZONTAL LAP SIDING
8" EXPOSURE
- 2 CORRUGATED METAL
ROOFING
- 3 ARCHITECTURAL
COMPOSITION ROOFING
- 4 BOARD & BATTEN SIDING
BATTENS 16" O.C.
- 5 STUCCO
SMOOTH OR LIGHT SAND FINISH
- 6 HORIZONTAL LAP SIDING
4" EXPOSURE



02.09.2021 | PROGRESS SET



MEADOWOOD RANCH
CITY OF SANTA ROSA, CALIFORNIA

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SCHEMATIC RENDERING



JD+A JOB NUMBER: 20084
DATE: 02.09.2021

A8

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MEADOWOOD RANCH
CITY OF SANTA ROSA, CALIFORNIA

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2200 Range Avenue, Suite 204
Santa Rosa, CA 95403
(707) 542-4820

APN 043-11-005, 006
DOC. NO. 2002-004699
DOC. NO. 2001-064065

**CONCEPTUAL LANDSCAPE PLAN
MEADOWOOD RANCH**
2853 AND 2875 DUTTON MEADOW
SANTA ROSA, CALIFORNIA

FEB. 2021
11.34 ACRES
90 LOTS
1 COMMON PARCEL

JOB NO.
20-117

SHEET NO.

L1
OF 4 SHEETS

3/21/2021



LIGHT STANDARD PER
CITY STD. 611 TYP.
8' MULTI-USE TRAIL
LOW GROWING TREES
UNDER PGE POWER LINE
EASEMENT TYP.

FUTURE STREET AND TREES

PET PARK

RECREATION
CENTER

SELECTED PLANT PALETTE - SHRUBS



Abeilia x grandiflora 'Kaleidoscope'
KALEIDOSCOPE ABELIA



Loropetalum chinense 'Sizzling Pink'
FRINGE FLOWER



Rosa floribunda 'Iceberg'
ICEBERG SHRUB ROSE



Camellia sasanqua
CAMELLIA



Carex morrowii 'Ice Dance'
ICE DANCE SEDGE



Viburnum davidii
DAVID'S VIBURNUM



Raphiolepis indica 'Ballerina'
DWARF INDIAN HAWTHORN



Rhamnus californica
COFFEEBERRY



Lomandra longifolia 'Breeze'
DWARF MAT RUSH



Prunus caroliniana
CAROLINA LAUREL CHERRY



Hydrangea paniculata 'Peewee'
DWARF HARDY HYDRANGEA

SELECTED PLANT PALETTE - TREES



Acer rubrum 'October Glory'
AUTUMN BLAZE MAPLE



Lagerstroemia indica 'Watermelon'
CRAPE MYRTLE



Cupressus leylandii 'Gold Rider'
GOLD LEYLAND CYPRESS



Arbutus x 'Marina'
ARBUTUS (STRAWBERRY TREE)



Laurus nobilis 'Saratoga'
SWEET LAUREL



Juniperus scopularum 'Sky Rocket'
SKY ROCKET JUNIPER



Magnolia grandiflora 'Little Gem'
DWARF MAGNOLIA



Ulmus parvifolia 'Frontier'
FRONTIER ELM



Acer rubrum 'Bowhall'
BOWHALL MAPLE

PRELIMINARY LANDSCAPE LEGEND

TREES		BOTANCIAL NAME	COMMON NAME	CALIPER, HT	SIZE	QTY	WUCOLS	NOTES
	FLOWERING ACCENT TREES							
		LAGERSTROEMIA INDICA 'WATERMELON'	RED CRAPE MYRTLE		#25 (24" BOX)	2	L	PG&E APPROVED
		CERCIS OCCIDENTALIS	WESTERN REDBUD		#25		L	PG&E APPROVED
	COLUMNAR TREES							
		PRUNUS CERASIFERA 'CRIMSON SPIRE'	UPRIGHT FLOWING PLUM		#25	3	L	PG&E APPROVED
		ACER RUBRUM 'BOWHALL'	BOWHALL RED MAPLE		#25	5	M	
	CANOPY TREES							
		ARBUTUS x 'MARINA'	ARBUTUS		#25	3	L	
		ULMUS PARVIFOLIA 'DRAKE'	DRAKE'S ELM		#25	10	L	
	4' PARKWAYS - INTERNAL STREETS							
		MAGNOLIA G. 'LITTLE GEM'	MAGNOLIA		#25	5	M	PG&E APPROVED
		PISTACIA CHINENSIS	CHINESE PISTACHE		#25	8	L	
	8' PARKWAY PLANTER - BURGESS DR.							
		CELTIS AUSTRALIS	EUROPEAN HACKBERRY		#25	13	L	
	6' PARKWAY PLANTER - EXISTING FRONTAGES							
		STREET TREE TO MATCH EXISTING	TBD PER CITY APPROVED LIST		#25	3	L	
	OTHER TBD							
		ESPALIER PER PLAN	TBD	1"	TBD		M	ESP
		CUPRESS. LEYLANDII 'GOLD RIDER'	GOLD LEYLAND CYPRESS	6"Hx3'W	#15 (15 GAL)	TBD	M	

SHRUBS

BOTANCIAL NAME	COMMON NAME	SIZE HxW	SIZE	WUCOLS	NOTES
XYLOSMA CONGESTUM	XYLOSMA	3'x2.5'	#15 (15 GAL)	L	
LOROPETALUM CHINENSE 'SIZZLING PINK'	FRINGE FLOWER	1.5'x2'	#5 (5 GAL)	L	
SALVIA LEUCANTHA	MEXICAN BUSH SAGE		#5	M	
ABELIA X GRANDIFLORA 'KALEIDOSCOPE'	KALEIDOSCOPE ABELIA	1'x1.5'	#5	M	
LIGUSTRUM 'SUNSHINE'	SUNSHINE LIGUSTRUM	1.5'x1.5'	#5	M	
PHORMIUM 'GOLDEN RAY'	NEW ZEALAND FLAX	3' H	#5/ #1	L	
ROSA 'FLOWER CARPET CORAL 1m'	CORAL CARPET ROSE	18"x2'	#5	M	
BERBERIS THUNBERGII 'CRIMSON PYGMY'	DWF. BARBERRY	1'x1'	#5	L	
COLEONEMA PULCHRUM 'SUNSET GOLD'	GOLD BREATH OF HEAVEN		#5	M	
OLEA EUROPA 'LITTLE OLLIE'	DWF. OLIVE SHRUB		#15/ #5	VL	
VIBURNUM TINUS 'COMPACTUM'	SPRING BOUQUET LAURUSTINUS		#5	L	
DIETES VEGETA	FORTNIGHT LILLY		#1 (1 GAL)	L	
NANDINA DOMESTICA 'FIRE POWER'	HEAVENLY BAMBOO		#1	L	

PERENNIALS & GRASSES

BOTANCIAL NAME	COMMON NAME	SIZE HxW	SIZE	WUCOLS	NOTES
AGAPANTHUS AFRICANUS 'TINKERBELL'	VAR. DWF. LILY OF THE VALLEY		#1	M	
LOMANDRA LONGIFOLIA 'BREEZE'	DWARF MAT RUSH		#1	L	
CALAMAGROSTIS x AC. 'KARL FOERSTER'	FEATHER REED GRASS		#1	L	
MUHLENBERGIA RIGENS	MUHLY DEER GRASS		#1	L	

GROUNDCOVERS & VINES

BOTANCIAL NAME	COMMON NAME	SIZE/ SPACING	WUCOLS	NOTES
RAPHIOLEPIS INDICA 'BALLERINA'	DWF. INDIAN HAWTHORN	#1s @ 60" O.C.	L	
ROSMARINUS O. 'HUNTGN. CARPET'	H. CARPET ROSEMARY	#1s @ 72" O.C.	L	
TRACHELOSPERMUM JASMINOIDES	STAR JASMINE	#1s @ 60" O.C.	M	
SOLLYA HETEROPHYLLA 'BLUE CUSHION'	AUST. BLUEBELL CREEPER	#1s @ 48" O.C.	L	
CEANTHUS GRISEUS H. 'YANKEE POINT(N)	YANKEE POINT CREEPER	#1s @ 72" O.C.	L	
CLYTOSTOMA CALLISTEGODES	VIOLET TRUMPET VINE	5'x3' #15	M	

OTHER

SODDED TURF, TBD	LAWN GRASS
BARK MULCH, TBD	
3/4" MINUS, SONOMA GOLD CHIPPED SHALE	



CIVIL DESIGN CONSULTANTS, INC.

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LANDSCAPE LEGEND

MEADOWOOD RANCH

APN 043-111-005, 006
11.34 ACRES
2853 AND 2875 DUTTON MEADOW
90 LOTS
1 COMMON PARCEL
SANTA ROSA, CALIFORNIA
DOC. NO. 2002-006099
DOC. NO. 2001-064085

JOB NO.

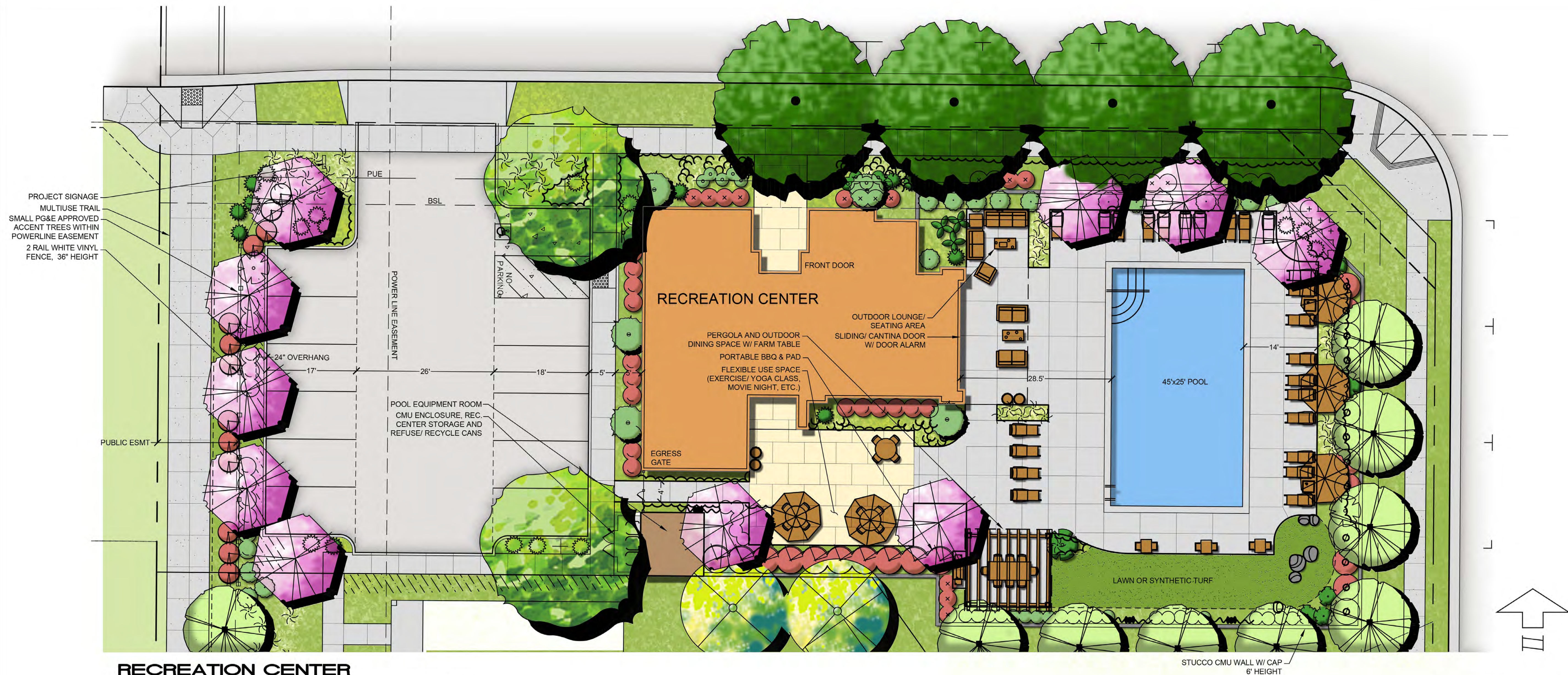
20-117

SHEET NO.

L2

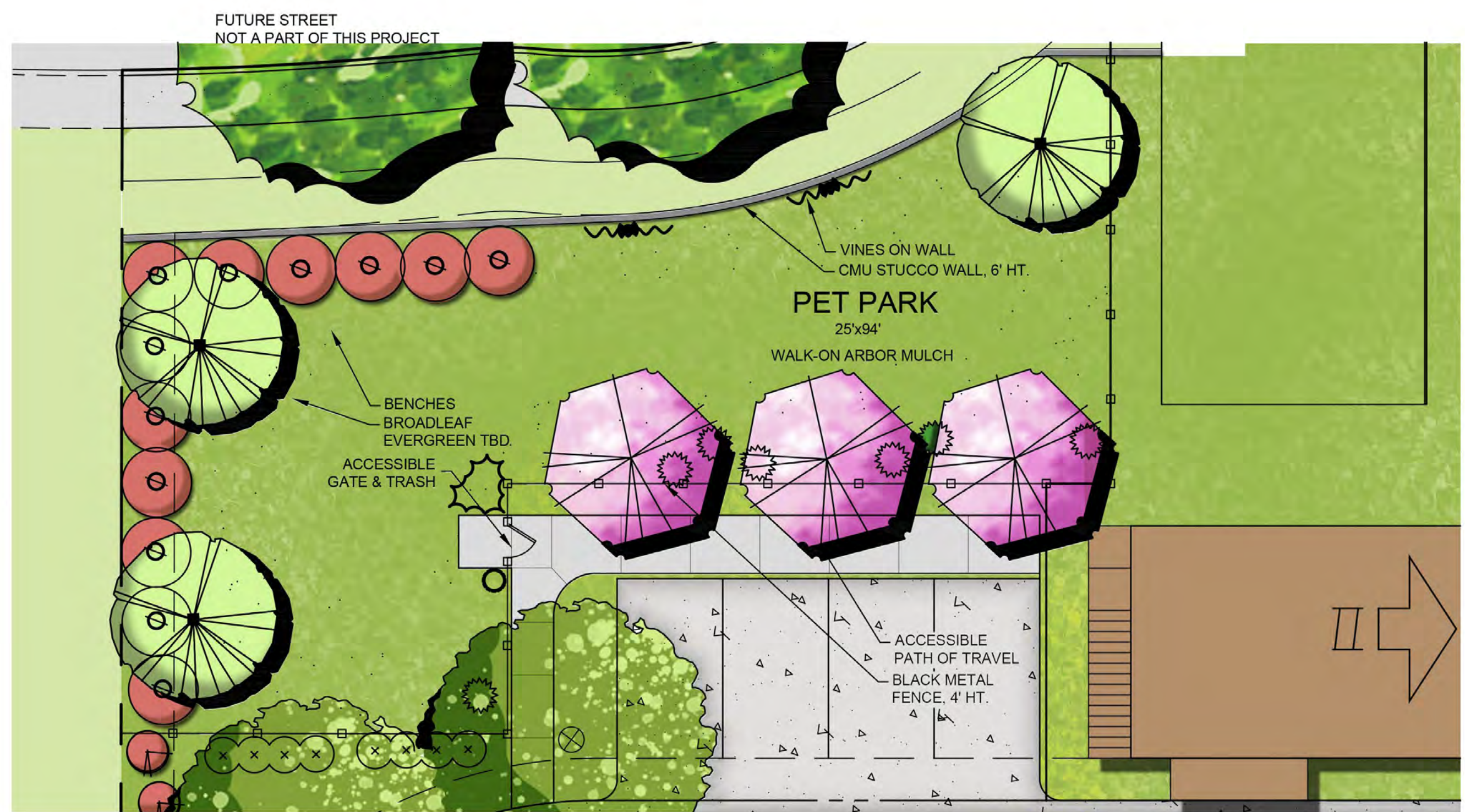
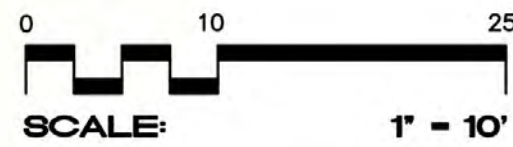
OF 4 SHEETS

3/21/2021



RECREATION CENTER

SCALE: 1"=10'



PET PARK

SCALE: 1"=10'

IRRIGATION SYSTEM DESIGN

- IRRIGATION SYSTEM DESIGN TO BE SUBMITTED WITH PLANS FOR BUILDING PERMITS. ALL LANDSCAPE IRRIGATION DESIGN AND CONSTRUCTION SHALL COMPLY WITH THE CITY OF SANTA ROSA'S WATER EFFICIENT LANDSCAPE ORDINANCE, CHAPTER 14-30.
- ALL LANDSCAPE AREAS SHALL BE SERVED BY AUTOMATIC IRRIGATION SYSTEMS DESIGNED TO PREVENT OVERSPRAY AND RUNOFF.
- MULTIPLE CONTROLLERS WILL BE LOCATED THROUGHOUT THE PROJECT TO SERVE BLOCKS OF COMMON AREAS, INCLUDING FRONT YARDS.
- NO SLEEVEING OF PRIVATE IRRIGATION UNDER PUBLIC ROADS IS ALLOWED.
- IRRIGATION CIRCUITS SHALL BE SEPARATE AND CREATED BASED UPON PLANT TYPE AND WATER REQUIREMENTS (LANDSCAPE HYDROZONES) AND FURTHER SEPARATED BASED UPON VARIATIONS IN SOLAR EXPOSURE.



CIVIL DESIGN CONSULTANTS, INC.

2200 Range Avenue, Suite 204
Santa Rosa, CA 95403
(707) 542-4820

REC. CENTER ENLARGEMENT PLAN

MEADOWOOD RANCH

APN 043-111-005, 006
DOC. NO. 2002-008689
2853 AND 2875 DUTTON MEADOW
SANTA ROSA, CALIFORNIA

FEB. 2021
11.34 ACRES
90 LOTS
1 COMMON PARCEL

JOB NO.

20-117

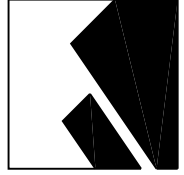
SHEET NO.

L3

OF 4 SHEETS

3/21/2021

Mar 26, 2021
RECEIVED



CIVIL DESIGN CONSULTANTS, INC.
2200 Range Avenue, Suite 204
Santa Rosa, CA 95403
(707) 542-4820

LIGHTING CUT SHEETS
MEADOWOOD RANCH

MARCH 2021

FIXTURE DIMENSIONS
HEIGHT: 30"-37"
WIDTH: 13"-17"

ACORN STYLE WITH U.V. STABILIZED CLEAR PRISMATIC GLASS OR POLYCARBONATE REFRACTOR, ROTATABLE GLOBE OR EQUAL, (CCT) CORRELATED COLOR TEMPERATURE $\leq 4000\text{K}$ LED or INDUCTANCE; APPROVED EQUAL TO 70 OR 100 WATT CLEAR HIGH PRESSURE SODIUM LUMINAIRE WITH MULTITAP DRIVER AND INDIVIDUAL PHOTO CELL CONTROL, AND TYPE III OR IV DISTRIBUTION.

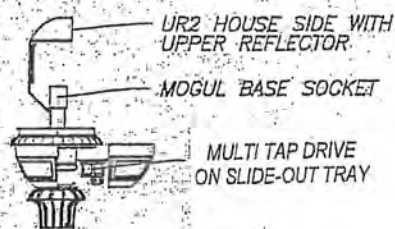
CAST ALUMINUM GLOBE HOLDER

ELECTRONIC PHOTOCELL

3" I.D. SLIP FITTER

ALL FASTENERS ARE TO BE STAINLESS STEEL

DARK GREEN THERMOSET POLYESTER POWDER COAT
14" CAST ALUMINUM SMOOTH TAPER OR 12-FLUTED POST,
5" OR 6" TO 3" TAPER,
0.125" WALL THICKNESS OR APPROVED EQUAL



POD DETAIL

ACCESS DOOR
FUSIBLE DISCONNECT
IN POLE BASE

TOP OF
SIDEWALK OR
PLANTER STRIP

FACE OF CURB

TOP OF TRAVELED WAY

SEE NOTE 3

NOTES:

1. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER BY VARIANCE.

2. FOR BASE AND FOOTING DETAILS, SEE CITY STANDARD 620A.

3. PULL BOX CONDUIT SHALL BE 2-INCH MINIMUM TO NEC STANDARDS AND LOCATED BEHIND THE CURB.

4. THIS IS THE SAME AS STD. 615D DATED JUNE, 1998.

CITY OF SANTA ROSA

DECORATIVE
STREETLIGHT

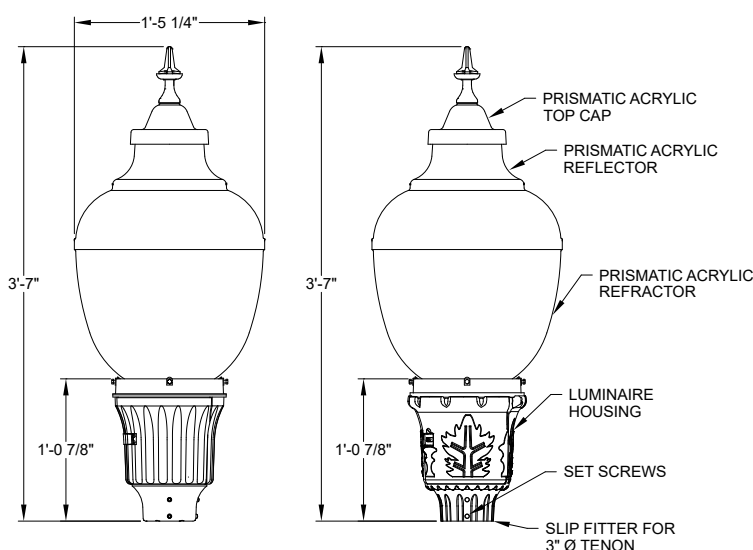
SCALE: N.T.S. DATE: MARCH, 2013

DWN. DDT
CHK. AAC

APPROVED
E. J. [Signature]

FILE NO.
615 D

Catalog Number	
Notes	Type



Maximum weight - 37 lbs
Maximum effective projected area - 2.19 sq. ft.

AWDE3

Acrylic Washington Postlite Utility LED3



SPECIFICATIONS

General Description

The Acrylic Washington Postlite Utility LED3 is designed for ease of maintenance with the plug-in electrical module common to each of the luminaires in Holophane's Utility Luminaire Series. The large acorn-shaped luminaire, while reminiscent of the 1920's, contains a powerful, stalk-mounted Chip-On-Board, LED platform with a precision optical system that maximizes post spacings while maintaining uniform illumination

Mechanical Specifications

The luminaire housing shall:

- Be heavy grade A360 cast aluminum (aluminum with <1% copper)
- IP55 rated housing provides tool-less access with a spring-loaded latch
- Incorporate a hidden hinge door allowing the door to swing open and remain open
- Offer units with an EEL- NEMA twist lock photocontrol receptacle, the housing contains a tempered glass window to allow light to reach the cell
- Mount to slip-fitter that will accept 3" high by 2-7/8" to 3-1/8" O.D. pole tenon
- Provide four uniquely designed stainless steel spring clips, enclosed in a clear polyvinyl chloride sleeve and adjusted by 1/4-20 hex-head bolts that securely cradle the prismatic acrylic refractor. The same 1/4-20 bolts also support the decorative rib and banding assembly

The finish shall:

- Utilize a polyester power coat paint to ensure maximum durability
- Meet 5000-hour salt spray
- Offer Tiger Drylac finishes that are applied by a Tiger Drylac certified facility.

Electrical Specifications

The driver shall meet the following requirements:

- Certified by UL or CSA for wet locations
- A factory programmable electronic driver with 0-10V dimming control leads
- LEDs shall have a minimum of 70 CRI and available in 2700K, 3000K, 4000K, and 5000K CCT
- The electrical system shall be designed to meet ANSI/IEEE C62.41.2 and shall offer a 10kV/5kA surge protection, fail off, as standard with an upgradable 20kV/10kA surge protection, fail off with indicator light, option
- Lumen output can be customized prior to manufacturing by way of FPDxx Options
- The electrical components are mounted on an aluminum plate that is removable with minimum use of tools. A matching five conductor plug connects to the receptacle in the luminaire housing to complete the wiring. For photoelectric operation, the electrical module is provided with an EEL-NEMA twist-lock photocell receptacle.

Optical Specifications

The optical system is IP66 rated and consists of a precisely molded thermal resistant acrylic refractor and top reflector mounted within the decorative acrylic optic. The top reflector redirects over 50% of the upward light into the controlling refractor while allowing a soft up-light component to define the traditional acorn shape of the luminaire. The lower refractor uses precisely molded prisms to maximize the pole spacings while maintaining uniform illuminance. Two refractors are available, designed for IES type III and V distributions. Lunar Optics shielding is available for asymmetric and symmetric distributions.

Control Options

The control options shall include, but not limited to, the following:

- Field adjustable output to adjust output to luminaire - AO
- Long life photocontrol, 20 years - PCLL, P34 and P48 with DTL
- 3 and 7 pin receptacles internally in housing (PR3, PR7) or inside acrylic lens mounted (PR7E)
- nLight Air rSBOR6 outdoor fixture-mounted motion and photo-sensor, features a dual radio to communicate wirelessly to other nLight Air devices for group response to motion, on/off control in response to daylight and by switch - RSBOR6
- Fixture embedded nLight Air network interface for individual fixture control and dimming - NLTAIR2.

Certification and Standards

- Luminaire shall be UL or CSA listed.
- Suitable for operation in an ambient temperature up to 40°C / 105°F per UL or CSA certification
- LM79 compliant
- DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check with the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Warranty - 5 Years Limited

Complete warranty terms located at:

www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

Acrylic Washington Postlite Utility LED3



Series		LED Performance Package		LED Color temperature		Voltage		Housing Style	
AWDE3	Acrylic Washington Postlite Utility LED3	P10	3,700 nominal lumens	27K	2700K CCT	MVOLT	Auto-Sensing 120-277V 50/60HZ	MS	Modern Style Swing Open Design
		P20	6,000 nominal lumens	30K	3000K CCT				
		P30	9,000 nominal lumens	40K	4000K CCT				
		P40	12,000 nominal lumens	50K	5000K CCT				
		P50	13,800 nominal lumens						
		P60	16,100 nominal lumens						
		P70	20,100 nominal lumens						
								LS	Leaf Style Swing Open Design

Optics		Housing Color		Trim		Finial		Trim Color	
AL3	Acrylic, Type III	BK	Black	(Blank)	No Trim	BL	Ball	TBK	Black
AL5	Acrylic, Type V	BZ	Bronze	FBM	Full Cover with Medallions and Band	CL	Clear Acrylic 3"	TBZ	Bronze
AL3LU	Acrylic, Type III Lunar Optic	GH	Graphite	FNT	Full Cover only	CR	Cross	TGL	Gold
AL5LU	Acrylic, Type V Lunar Optic	GN	Green	MB	Medallions and Band	EG	Eagle	TGH	Graphite
		GR	Grey	RBM	Ribs, Band and Medallions	FL	Flower	TGN	Green
		PP	Prime Paint	FRBM	Full Cover, Ribs, Band and Medallions	KC	Knurled Cap	TGR	Grey
		WH	White			PN	Pawn	TPP	Prime Paint
		CMC	CustomMatchColor Finish			ST	Standard	TWH	White
		XX	STD Finish, TBD			RM	Roman Cross	TCMC	Custom Match Color Finish
		RAL	RAL Specified					TRAL	RAL Color
								TXX	STD Finish, TBD

CONTROLS OPTIONS		PREWIRED LEAD OPTIONS		OPTIC OPTIONS	
A0	Field Adjustable Output	L1H	1.5 ft prewired leads	TB	Tucson Black Cover
DE	ROAM 0-10 Volt Dimming Controls, includes NEMA twistlock photocontrol receptacle	L03	3ft prewired leads	NEMA LABEL OPTIONS	
PR3	NEMA twistlock photocontrol receptacle - 3 pin	L10	10 ft prewired leads	NL1X1	1" X 1" ANSI Wattage Label
PR7	NEMA twistlock dimming photocontrol receptacle - 7 pin	L20	20 ft prewired leads	NL2X2	2" X 2" ANSI Wattage Label
PR7E	NEMA twistlock dimming photocontrol receptacle - 7 Pin (Under Glass)	L25	25 ft prewired leads	OPTIC OPTIONS	
PCLL	Long Life DTL Twistlock Photocontrol for Solid State, MVOLT	L30	30 ft prewired leads	UA	Unitized Assembly
P34	Long Life DTL Twistlock Photocontrol for Solid State, 347V				
P48	Long Life DTL Twistlock Photocontrol for Solid State, 480V				
SH	Shorting Cap				
RSBOR6	nLight Motion Sensing Photocontrols				
NLTAIR2	nLight rIO 2.0 Antenna				
DRIVER ELECTRICAL OPTIONS					
FPDxx	Factory Programmed Driver				
20KV	Extreme surge protection 20kV/10kA, fail off with indicator light				

DECORATIVE BAND OPTIONS		HOUSE-SIDE SHIELD OPTIONS	
RBMX	Ribs and Band Kit, Field installed	GVDHSS90	House Side Shield Solid 90°
(Field installed. For use with units without factory installed ribs and band and no finial. Insert finial color for X)		GVDHSS12	House Side Shield Solid 120°
		GVDHSS18	House Side Shield Solid 180°
		GVDHSL90	House Side Shield for Lunar Optic Solid 90°
		GVDHSL12	House Side Shield for Lunar Optic Solid 120°
		GVDHSL18	House Side Shield for Lunar Optic Solid 180°

OPTIONS MATRIX

AWDE3 (Utility Housing)		Housing Style		LED Package							Voltage		Distribution				Trims				Options														
		MS	LS	P10	P20	P30	P40	P50	P60	P70	MVOLT	HVOLT	AL3	AL5	AL3LU	AL5LU	MB	RBM	FNT	FEM	FRBM	AO	DE	FPDxx	PR3	PR7	PR7E	PCLL	P34	P48	SH	RSBOR6	NLTAIR2	20kV	
Housing Style	MS		N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	LS	N		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
LED Package	P10	Y	Y		N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y
	P20	Y	Y	N		N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	P30	Y	Y	N	N		N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	P40	Y	Y	N	N	N		N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	P50	Y	Y	N	N	N	N		N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	P60	Y	Y	N	N	N	N	N		N	Y	N	Y		N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y	
	P70	Y	Y	N	N	N	N	N	N		Y	N	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y	
Voltage	MVOLT	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	
	HVOLT	Y	Y	Y	Y	Y	Y	Y	N	N	N		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N	N	N	Y	Y	Y	N	Y	
Distribu- tions	AL3	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	AL5	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N		N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	AL3LU	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	N	N		N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y	
	AL5LU	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	N	N	N		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y	
Trims	MB	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	RBM	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N		N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	FNT	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N		N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	FEM	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N		N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	FRBM	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Options	AO	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y
	DE	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	I	N	N	N	N	N	N	N	N	Y	
	FPDxx	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	PR3	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	I	Y		N	N	Y	Y	Y	Y	N	N	Y	
	PR7	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N		N	Y	Y	Y	Y	N	N	Y	
	PR7E	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	N	Y	N	N		Y	Y	Y	Y	N	N	Y	
	PCLL	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y		N	N	N	N	Y	
	P34	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	N	N	N	N	N	Y	
	P48	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	N	N		Y	N	N	Y
	SH	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	N	N	Y		N	N	Y
	RSBOR6	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N		N	N	N	N	N	N			N	Y
	NLTAIR2	Y	Y	N	Y	Y	Y	Y	N	N	Y	N	Y	Y	N	N	Y	Y	Y	Y	Y	Y	N	N	Y	N	N	N	N	N	N	N	N		Y
20kV	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		
Covers	FNT	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
	FEM	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
	FRBM	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
House-Side Shield	TB	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y
	GVDHSS90	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	GVDHSS12	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	GVDHSS18	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	GVDHSL90	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	GVDHSL12	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
GVDHSL18	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

MATRIX KEY

I = Combined Options Included

N = Combination Not available

Y = Valid Option Combination

ROAM OPTION DETAILS

DE = UL listed components without GPS capability, external antenna is black and includes ROAM capable node only, ROAM service package sold separately via Acuity Controls

LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS

Use the factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F)

Ambient Temp		Lumen Multiplier	
°C	°F	P10, P20	P30, P40, P50
0	32	1.03	1.05
5	41	1.03	1.04
10	50	1.02	1.03
15	59	1.01	1.02
20	68	1.01	1.01
25	77	1.00	1.00
30	86	0.99	0.99
35	94	0.98	0.98
40	104	0.98	0.97

PROJECTED LED LUMEN MAINTENANCE

Data references the extrapolated performance projections for the platforms noted in 25°C ambient, based on 6,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Lumen Maintenance - LLD (Same for all LED packages)							
Hours	0	25,000	36,000	50,000	60,000	75,000	100,000
Factor for P10-thru-P50	1	0.96	0.94	0.91	0.90	0.87	0.83

The *italicized* data is extrapolated beyond the TM-21 standard.

AWDE3

Acrylic Washington Postlite Utility LED3



PERFORMANCE DATA

Performance Package	Distribution	Input Watts	27K (2700K CCT, 70 CRI)					30K (3000K CCT, 70 CRI)					40K (4000K CCT, 70 CRI)					50K (5000K CCT, 70 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P10	AL3	24	3,193	133	1	4	3	3,624	151	1	4	3	3,692	154	1	4	3	3,759	157	1	4	3
	AL5		3,184	133	2	3	2	3,614	151	2	3	2	3,681	153	3	3	3	3,748	156	3	3	3
	AL3LU		2,480	103	1	3	1	2,815	117	1	3	1	2,867	119	1	3	1	2,920	122	1	3	1
	AL5LU		2,661	111	2	3	1	3,021	126	2	3	1	3,077	128	2	3	1	3,133	131	2	3	1
P20	AL3	40	5,184	130	2	4	3	5,884	147	2	4	3	5,993	150	2	4	3	6,102	153	2	4	3
	AL5		5,168	129	3	4	3	5,866	147	3	4	3	5,975	149	3	4	3	6,084	152	3	4	3
	AL3LU		4,026	101	2	3	2	4,570	114	2	3	2	4,655	116	2	3	2	4,740	119	2	3	2
	AL5LU		4,320	108	2	3	1	4,904	123	2	3	2	4,995	125	3	3	2	5,085	127	3	3	2
P30	AL3	61	7,799	128	2	5	4	8,852	145	2	5	4	9,016	148	3	5	4	9,180	150	3	5	4
	AL5		7,775	127	3	4	3	8,826	145	3	4	4	8,989	147	3	5	4	9,153	150	3	5	4
	AL3LU		6,058	99	2	3	2	6,876	113	2	3	2	7,003	115	2	3	2	7,131	117	2	3	2
	AL5LU		6,499	107	3	3	2	7,377	121	3	3	2	7,514	123	3	3	2	7,651	125	3	3	2
P40	AL3	79	10,396	132	3	5	5	11,801	149	3	5	5	12,019	152	3	5	5	12,238	155	3	5	5
	AL5		10,365	131	4	5	4	11,765	149	4	5	4	11,983	152	4	5	4	12,201	154	4	5	4
	AL3LU		8,075	102	3	4	3	9,166	116	3	4	3	9,336	118	3	4	3	9,506	120	3	4	3
	AL5LU		8,664	110	3	3	2	9,835	124	3	3	2	10,017	127	3	3	2	10,199	129	3	3	3
P50	AL3	97	11,956	123	3	5	5	13,571	140	3	5	5	13,822	142	3	5	5	14,073	145	3	5	5
	AL5		11,920	123	4	5	4	13,530	139	4	5	5	13,781	142	4	5	5	14,031	145	4	5	5
	AL3LU		9,286	96	3	4	3	10,541	109	3	4	3	10,736	111	3	4	3	10,931	113	3	4	3
	AL5LU		9,964	103	3	3	2	11,310	117	3	3	3	11,519	119	3	3	3	11,729	121	3	3	3
P60	AL3	120	13,927	116	3	5	5	15,809	132	3	5	5	16,102	134	3	5	5	16,395	137	3	5	5
	AL5		13,886	116	4	5	5	15,762	131	4	5	5	16,054	134	4	5	5	16,346	136	4	5	5
P70	AL3	156	17,423	112	3	5	5	19,776	127	3	5	5	20,143	129	3	5	5	20,509	131	3	5	5
	AL5		17,371	111	4	5	5	19,717	126	5	5	5	20,083	129	5	5	5	20,448	131	5	5	5

FPDXX DATA OPTIONS

FPDxx Setting	Wattage	P10 27K				P10 30K				P10 40K				P10 50K			
AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5
Standard	24	3,193	3,184	2,480	2,661	3,624	3,614	2,815	3,021	3,692	3,681	2,867	3,077	3,759	3,748	2,920	3,133
FPD95	23	3,043	3,034	2,363	2,536	3,454	3,444	2,683	2,879	3,518	3,508	2,732	2,932	3,582	3,572	2,783	2,986
FPD90	22	2,892	2,884	2,246	2,410	3,283	3,273	2,550	2,736	3,344	3,334	2,597	2,787	3,405	3,395	2,645	2,838

FPDxx Setting	Wattage	P20 27K				P20 30K				P20 40K				P20 50K			
AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5
Standard	40	5,184	5,168	4,026	4,320	5,884	5,866	4,570	4,904	5,993	5,975	4,655	4,995	6,102	6,084	4,740	5,085
FPD95	37	4,941	4,926	3,837	4,118	5,608	5,591	4,356	4,674	5,712	5,695	4,437	4,761	5,816	5,799	4,518	4,847
FPD90	36	4,697	4,683	3,648	3,914	5,331	5,315	4,141	4,443	5,430	5,414	4,218	4,526	5,529	5,513	4,295	4,607
FPD85	33	4,452	4,438	3,457	3,710	5,053	5,038	3,925	4,211	5,147	5,131	3,998	4,290	5,240	5,225	4,071	4,367
FPD80	31	4,205	4,192	3,266	3,504	4,773	4,759	3,707	3,978	4,862	4,847	3,776	4,052	4,950	4,935	3,845	4,125
FPD75	29	3,958	3,945	3,073	3,298	4,492	4,478	3,489	3,744	4,575	4,561	3,554	3,813	4,658	4,645	3,619	3,882
FPD70	27	3,708	3,697	2,880	3,090	4,209	4,196	3,269	3,508	4,287	4,274	3,330	3,573	4,365	4,352	3,391	3,638

FPDxx Setting	Wattage	P30 27K				P30 30K				P30 40K				P30 50K			
AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5
Standard	61	7,799	7,775	6,058	6,499	8,852	8,826	6,876	7,377	9,016	8,989	7,003	7,514	9,180	9,153	7,131	7,651
FPD95	58	7,741	7,717	6,013	6,451	8,786	8,760	6,825	7,322	8,949	8,922	6,951	7,458	9,112	9,085	7,078	7,594
FPD90	55	7,367	7,345	5,723	6,139	8,362	8,338	6,496	6,969	8,517	8,492	6,616	7,098	8,672	8,647	6,736	7,228
FPD85	52	6,990	6,969	5,430	5,825	7,934	7,911	6,163	6,612	8,081	8,057	6,277	6,735	8,228	8,204	6,392	6,858
FPD80	49	6,610	6,590	5,135	5,508	7,503	7,481	5,828	6,252	7,642	7,619	5,935	6,369	7,781	7,758	6,044	6,485
FPD75	46	6,226	6,207	4,836	5,189	7,067	7,046	5,490	5,889	7,198	7,176	5,591	5,999	7,329	7,307	5,693	6,108
FPD70	43	5,839	5,821	4,536	4,866	6,628	6,608	5,148	5,523	6,751	6,730	5,243	5,626	6,873	6,853	5,339	5,729

FPDxx Setting	Wattage	P40 27K				P40 30K				P40 40K				P40 50K			
AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5
Standard	79	10,396	10,365	8,075	8,664	11,801	11,765	9,166	9,835	12,019	11,983	9,336	10,017	12,238	12,201	9,506	10,199
FPD95	76	10,239	10,209	7,953	8,533	11,623	11,588	9,028	9,687	11,838	11,802	9,195	9,866	12,053	12,017	9,363	10,045
FPD90	73	9,771	9,742	7,590	8,143	11,092	11,058	8,615	9,244	11,297	11,263	8,775	9,415	11,502	11,468	8,935	9,586
FPD85	69	9,295	9,267	7,220	7,746	10,551	10,519	8,195	8,793	10,746	10,714	8,347	8,956	10,942	10,909	8,499	9,119
FPD80	65	8,810	8,784	6,843	7,343	10,001	9,971	7,768	8,335	10,186	10,155	7,912	8,489	10,371	10,340	8,056	8,643

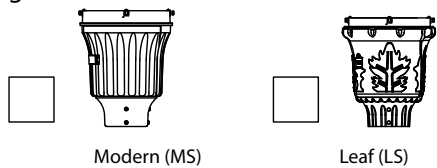
FPDxx Setting	Wattage	P50 27K				P50 30K				P50 40K				P50 50K			
AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5
Standard	97	11,956	11,920	9,286	9,964	13,571	13,530	10,541	11,310	13,822	13,781	10,736	11,519	14,073	14,031	10,931	11,729
FPD95	93	11,932	11,896	9,267	9,944	13,544	13,503	10,520	11,287	13,794	13,753	10,714	11,496	14,045	14,003	10,909	11,705
FPD90	88	11,399	11,364	8,853	9,500	12,939	12,899	10,050	10,783	13,178	13,139	10,236	10,982	13,417	13,377	10,422	11,182
FPD85	83	10,854	10,822	8,430	9,046	12,321	12,283	9,570	10,268	12,548	12,511	9,747	10,458	12,776	12,738	9,924	10,648

FPDxx Setting	Wattage	P60 27K				P60 30K				P60 40K				P60 50K			
AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5
Standard	120	13,927	13,886			15,809	15,762			16,102	16,054			16,395	16,346		
FPD95	113	13,362	13,323			15,168	15,123			15,449	15,403			15,730	15,683		
FPD90	107	12,783	12,745			14,510	14,467			14,779	14,735			15,048	15,003		
FPD85	101	12,188	12,152			13,835	13,794			14,092	14,050			14,348	14,305		

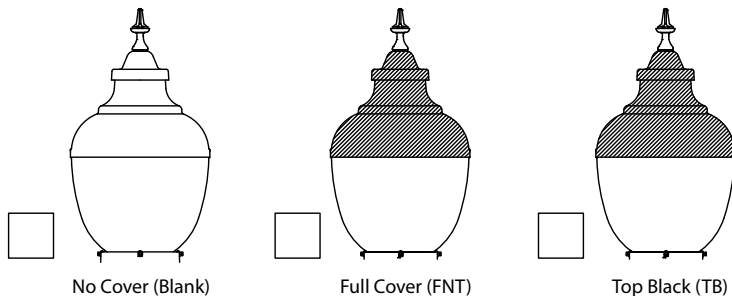
FPDxx Setting	Wattage	P70 27K				P70 30K				P70 40K				P70 50K			
AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5	AL3LU	AL5LU	AL3	AL5
Standard	156	17,423	17,371			19,776	19,717			20,143	20,083			20,509	20,448		
FPD95	148	16,778	16,728			19,043	18,987			19,397	19,339			19,749	19,691		
FPD90	140	16,106	16,058			18,281	18,227			18,620	18,565			18,959	18,902		
FPD85	133	15,408	15,362			17,489	17,436			17,813	17,760			18,137	18,083		
FPD80	126	14,684	14,640			16,667	16,617			16,976	16,925			17,284	17,233		

Mark Appropriate Box for Trim Option

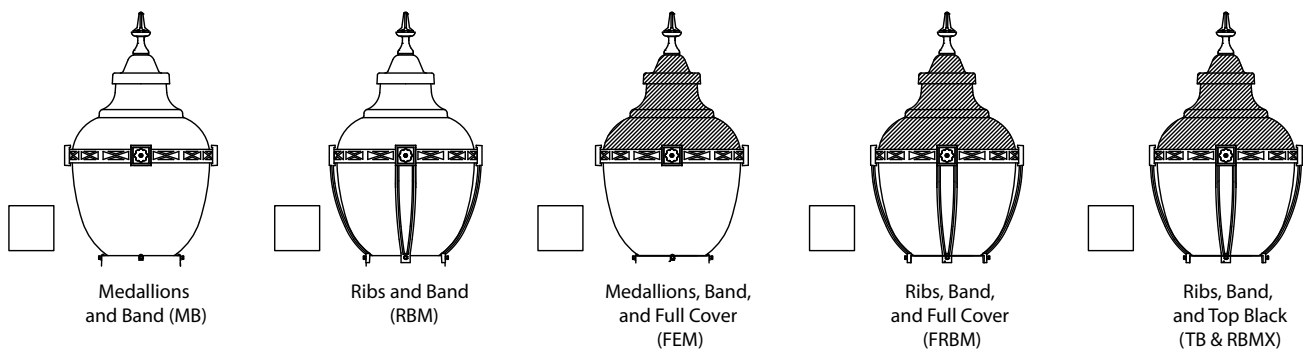
Housing



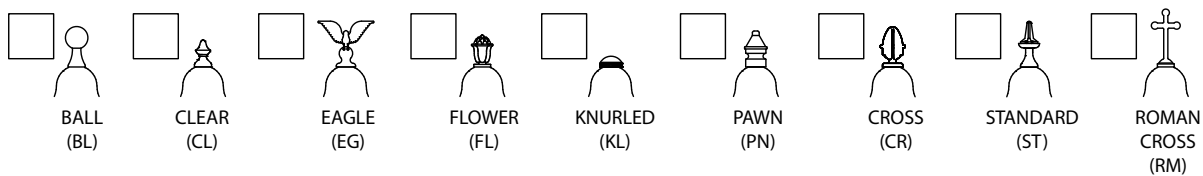
Cover



Ribs



Finial



OPTIONAL COMPONENTS



AO
Manual field adjustable output
dimming device



RSB0R6
Motion and photosensor (Black)
communicates wirelessly to other
nLight AIR devices



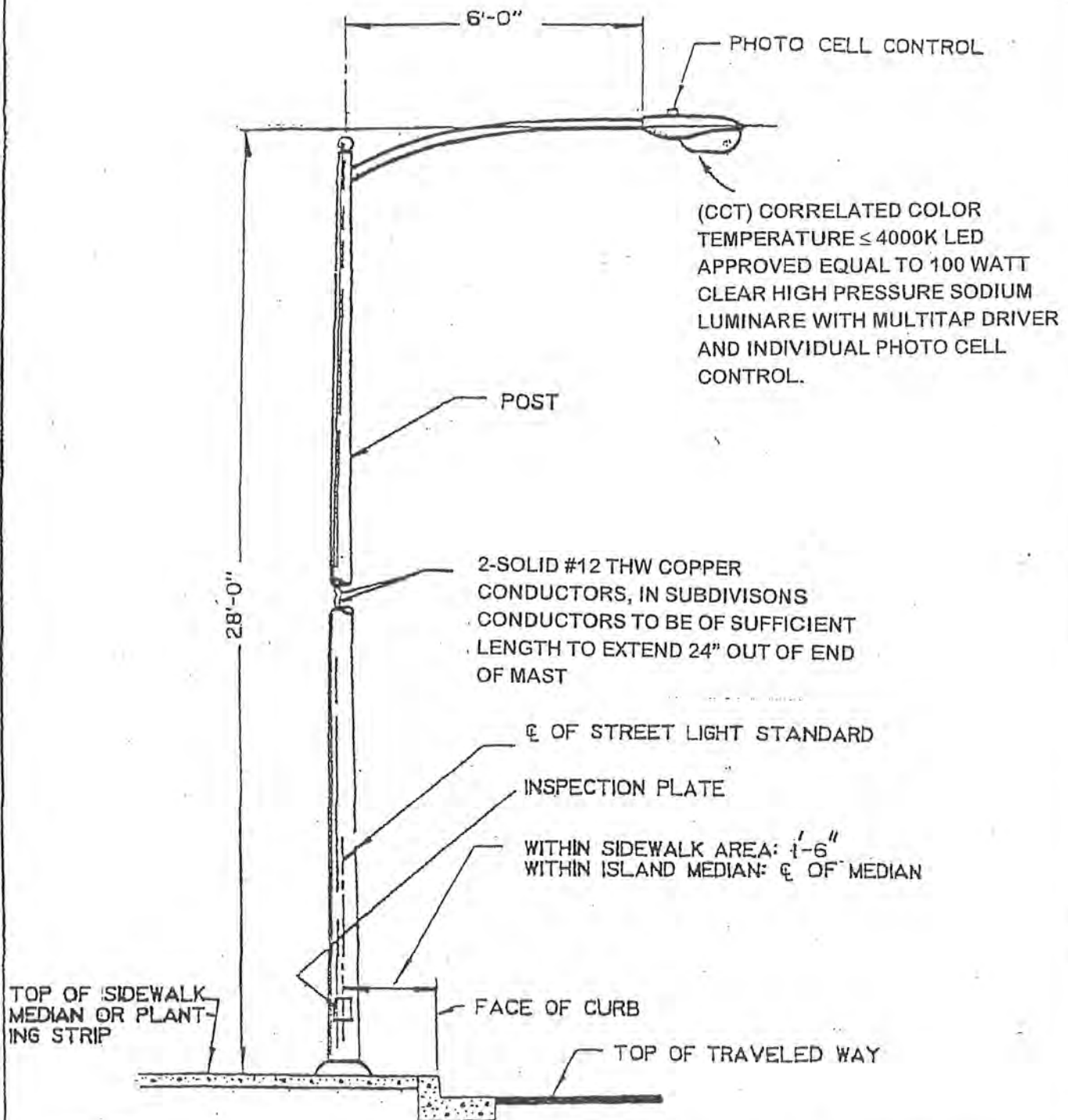
DE
Remote Asset Management Control
Decorative Node
includes NEMA twistlock
photocontrol receptacle



20KV
Safeguard your investment from
extreme voltage spikes with our
new Extreme 20kV/10kA SPD



NLTAIR2
Fixture embedded nLight AIR
network interface provides
individual fixture control and
digital dimming capabilities



NOTES:

1. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE CITY ENGINEER BY VARIANCE.
2. FOR BASE DETAIL, SEE STD. 620A.

CITY OF SANTA ROSA

STREET LIGHTS COLLECTOR STREETS

SCALE: NONE

DATE: MARCH, 2013

DWR SR
CHK

APPROVED

FILE NO.

STD.- 611

LEDway® Series

LEDway® LED Street Light

Rev. Date: V5 06/24/2020

Product Description

Luminaire housing is all aluminum construction. Standard luminaire utilizes terminal block for power input suitable for #2-#14 AWG wire. Luminaire is designed to mount on a 2" [51mm] IP, 2.375" [60mm] O.D. horizontal tenon and/or a 1.25" [32mm] IP, 1.66" [42mm] O.D. horizontal tenon (minimum 8" [203mm] in length) and is adjustable +/- 5° to allow for luminaire leveling (two axis T-level included).

Applications: Roadway, parking lots, walkways and general area spaces

Performance Summary

Patented NanoOptic® Product Technology

Assembled in the U.S.A. of U.S. and imported parts

CRI: Minimum 70 CRI

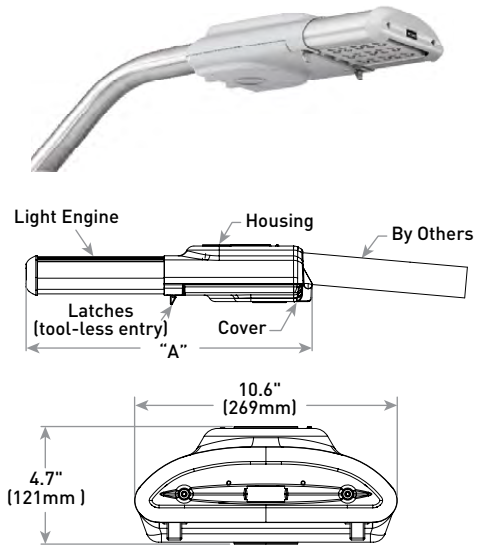
CCT: 4000K (+/- 300K), 5700K (+/- 500K) standard

Limited Warranty*: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

*See <http://creelighting.com/warranty> for warranty terms

Accessories

Field-Installed		
Bird Spikes for Light Engine XA-BRDSPK30 - 20-30 LED XA-BRDSPK60 - 40-60 LED XA-BRDSPK90 - 70-90 LED XA-BRDSPK120 - 100-120 LED	Bird Spikes for Housing XA-BRDSPKHSG Shorting Cap XA-XLSHRT	External Backlight Shield XA-XSLBLS30 - 20-30 LED XA-XSLBLS60 - 40-60 LED XA-XSLBLS90 - 70-90 LED XA-XSLBLS120 - 100-120 LED



LED Count (x10)	Dim. "A"	Weight
02	17.5" (443mm)	13.0 lbs. (5.9kg)
03	17.5" (443mm)	13.5 lbs. (6.1kg)
04	22.0" (559mm)	16.5 lbs. (7.5kg)
05	22.0" (559mm)	17.0 lbs. (7.7kg)
06	22.0" (559mm)	17.5 lbs. (7.9kg)
07	26.8" (681mm)	22.0 lbs. (10.0kg)
08	26.8" (681mm)	22.5 lbs. (10.2kg)
09	26.8" (681mm)	22.5 lbs. (10.2kg)
10	33.1" (842mm)	27.5 lbs. (12.5kg)
11	33.1" (842mm)	28.0 lbs. (12.7kg)
12	33.1" (842mm)	28.0 lbs. (12.7kg)

Ordering Information

Example: STR-LWY-2M-HT-02-E-UL-SV-700

STR-LWY		HT		E				
Product	Optic	Mounting	LED Count (x10)	Series	Voltage	Color Options*	Drive Current	Options
STR-LWY	2M Type II Medium 2S Type II Short 3M Type III Medium 4M Type IV Medium 5M Type V Medium	HT Horizontal Tenon	02 03 04 05 06 07 08 09 10 11 12	E	UL Universal 120-277V UH Universal 347-480V	BK Black BZ Bronze SV Silver	525 525mA 700 700mA	DIM 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current R NEMA® Photocell Receptacle - 3-pin receptacle per ANSI C136.10 - Intended for downlight applications with maximum 45° tilt - Requires photocell or shorting cap (by others) UTL Utility - Includes exterior wattage label that reflects watts for the drive current selected. The ability to exceed selected drive current will be disabled 40K 4000K Color Temperature - Minimum 70 CRI - Color temperature per luminaire TRL Amber Turtle Friendly LEDs - Available only with 350mA only - Available only with 40, 60, 100, 120 LED counts - Lumen multiplier from 5700K, 525mA : 0.29 [350mA] - Power multiplier from 525mA: 0.50 - 600nm dominant wavelength - Additional shielding (by others) may be required for Florida Fish and Wildlife Conservation Commission compliance

* Light engine portion of extrusion is not painted and will remain natural aluminum regardless of color selection



US: creelighting.com (800) 236-6800

Canada: creelighting-canada.com (800) 473-1234

CREE LIGHTING

Product Specifications

CONSTRUCTION & MATERIALS

- Housing is all aluminum construction
- Terminal block for power input suitable for #2-#14 AWG wire
- HT Mount is designed to mount on a 2" (51mm) IP, 2.375" (60mm) O.D. horizontal tenon and/or a 1.25" (32mm) IP, 1.66" (42mm) O.D. horizontal tenon (minimum 8" [203mm] in length) and is adjustable +/- 5° to allow for luminaire leveling (two axis T-level included)
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, and silver are available
- **Weight:** See Dimensions and Weight chart on page 1

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Quick disconnect harness suitable for mate and break under load provided on power feed to driver for ease of maintenance
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C/D breaker should be used
- **10V Source Current:** 20-60 LED: 0.15mA; 80-120 LED: 0.30mA

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Meets CALTrans 611 Vibration testing and GR-63-CORE Section 4.4.1/5.4.2 Earthquake Zone 4
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- ANSI C136.2 10kV surge protection, tested in accordance with IEEE/ANSI C62.41.2
- Luminaire and finish are endurance tested to withstand 5,000 hours of elevated ambient salt fog as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
-  **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*								
LED Count (x10)	System Watts 120-277V	System Watts 347-480V	Total Current (A)					
			120V	208V	240V	277V	347V	480V
525mA								
02	35	39	0.30	0.18	0.16	0.15	0.12	0.10
03	53	55	0.45	0.26	0.23	0.21	0.16	0.13
04	66	71	0.56	0.33	0.29	0.26	0.21	0.16
05	86	87	0.72	0.42	0.37	0.33	0.25	0.19
06	100	103	0.84	0.49	0.43	0.38	0.30	0.22
07	120	124	1.01	0.60	0.54	0.49	0.37	0.28
08	139	140	1.17	0.69	0.62	0.56	0.41	0.31
09	149	156	1.26	0.74	0.66	0.59	0.46	0.34
10	167	172	1.41	0.83	0.73	0.65	0.50	0.38
11	182	188	1.54	0.89	0.79	0.70	0.55	0.41
12	197	204	1.67	0.96	0.85	0.75	0.59	0.44
700mA								
02	47	51	0.39	0.23	0.21	0.19	0.15	0.12
03	70	73	0.59	0.34	0.30	0.27	0.21	0.16
04	91	93	0.77	0.45	0.39	0.35	0.27	0.20
05	113	115	0.96	0.55	0.48	0.43	0.33	0.25
06	134	135	1.13	0.65	0.57	0.50	0.39	0.29
07	163	165	1.37	0.80	0.71	0.63	0.48	0.36
08	182	186	1.54	0.90	0.79	0.70	0.54	0.40
09	203	207	1.72	0.99	0.87	0.78	0.60	0.45
10	227	229	1.92	1.11	0.97	0.86	0.67	0.49
11	248	250	2.10	1.21	1.05	0.93	0.73	0.53
12	267	274	2.26	1.30	1.13	1.00	0.80	0.58

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/- 10%

LEDway® Ambient Adjusted Lumen Maintenance¹						
Ambient	CCT	Initial LMF	25K hr Reported² LMF	50K hr Reported² LMF	75K hr Estimated³ LMF	100K hr Estimated³ LMF
5°C (41°F)	30K/40K/50K/57K	1.04	1.01	0.99	0.98	0.96
	TRL	1.06	1.06	1.06	1.06	1.06
10°C (50°F)	30K/40K/50K/57K	1.03	1.00	0.98	0.97	0.95
	TRL	1.04	1.04	1.04	1.04	1.04
15°C (59°F)	30K/40K/50K/57K	1.02	0.99	0.97	0.96	0.94
	TRL	1.03	1.03	1.03	1.03	1.03
20°C (68°F)	30K/40K/50K/57K	1.01	0.98	0.96	0.95	0.93
	TRL	1.01	1.01	1.01	1.01	1.01
25°C (77°F)	30K/40K/50K/57K	1.00	0.97	0.95	0.94	0.92
	TRL	1.00	1.00	1.00	1.00	1.00

¹ Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

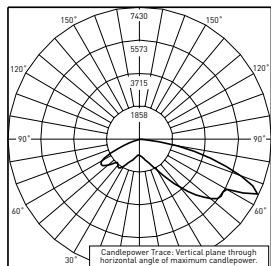
² In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

³ Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

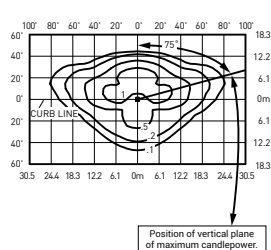
Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/street-and-roadway/ledway-series>

2M



CESTL Test Report #: 2015-0025
STR-LWY-2M-**-06-E-UL-700-40K
Initial Delivered Lumens: 10,706



STR-LWY-2M-**-03-E-UL-700-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 5,688
Initial FC at grade

Type II Medium Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
525mA				
02	3,064	B1 U0 G1	3,182	B1 U0 G1
03	4,550	B1 U0 G1	4,725	B1 U0 G1
04	6,079	B2 U0 G2	6,313	B2 U0 G2
05	7,549	B2 U0 G2	7,839	B2 U0 G2
06	9,000	B2 U0 G2	9,346	B2 U0 G2
07	10,532	B2 U0 G2	10,937	B2 U0 G2
08	11,982	B3 U0 G3	12,443	B3 U0 G3
09	13,419	B3 U0 G3	13,935	B3 U0 G3
10	14,994	B3 U0 G3	15,571	B3 U0 G3
11	16,440	B3 U0 G3	17,072	B3 U0 G3
12	17,880	B3 U0 G3	18,568	B3 U0 G3
700mA				
02	3,830	B1 U0 G1	3,977	B1 U0 G1
03	5,688	B2 U0 G2	5,907	B2 U0 G2
04	7,598	B2 U0 G2	7,891	B2 U0 G2
05	9,436	B2 U0 G2	9,799	B2 U0 G2
06	11,250	B3 U0 G3	11,683	B3 U0 G3
07	13,165	B3 U0 G3	13,671	B3 U0 G3
08	14,978	B3 U0 G3	15,554	B3 U0 G3
09	16,774	B3 U0 G3	17,419	B3 U0 G3
10	18,742	B3 U0 G3	19,463	B3 U0 G3
11	20,550	B3 U0 G3	21,340	B3 U0 G3
12	22,351	B3 U0 G3	23,210	B3 U0 G3

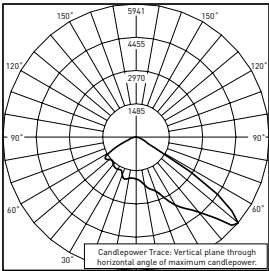
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit:
<https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

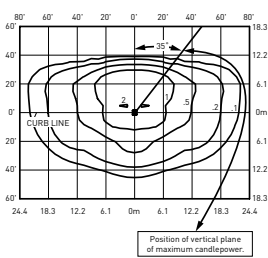
Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/street-and-roadway/ledway-series>

25



CESTL Test Report #: 2013-0072
STR-LWY-25-**-06-E-UL-700-40K
Initial Delivered Lumens: 12,087



STR-LWY-25-**-03-E-UL-700
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 6,290
Initial FC at grade

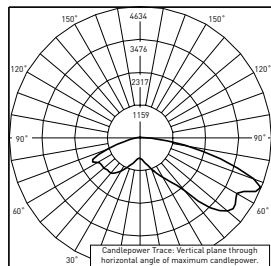
Type II Short Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
525mA				
02	3,263	B1 U0 G1	3,388	B1 U0 G1
03	4,846	B2 U0 G2	5,032	B2 U0 G2
04	6,473	B2 U0 G2	6,722	B2 U0 G2
05	8,039	B2 U0 G2	8,348	B2 U0 G2
06	9,585	B3 U0 G3	9,953	B3 U0 G3
07	11,216	B3 U0 G3	11,647	B3 U0 G3
08	12,760	B3 U0 G3	13,251	B3 U0 G3
09	14,290	B3 U0 G3	14,840	B3 U0 G3
10	15,967	B3 U0 G3	16,582	B3 U0 G3
11	17,508	B3 U0 G3	18,181	B3 U0 G3
12	19,042	B3 U0 G3	19,774	B3 U0 G3
700mA				
02	4,079	B1 U0 G1	4,235	B1 U0 G1
03	6,057	B2 U0 G2	6,290	B2 U0 G2
04	8,092	B2 U0 G2	8,403	B2 U0 G2
05	10,048	B3 U0 G3	10,435	B3 U0 G3
06	11,981	B3 U0 G3	12,442	B3 U0 G3
07	14,020	B3 U0 G3	14,559	B3 U0 G3
08	15,950	B3 U0 G3	16,564	B3 U0 G3
09	17,863	B3 U0 G3	18,550	B3 U0 G3
10	19,959	B3 U0 G3	20,727	B3 U0 G3
11	21,884	B3 U0 G3	22,726	B3 U0 G3
12	23,802	B3 U0 G3	24,717	B4 U0 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit:
<https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>.

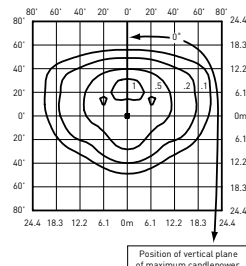
Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/street-and-roadway/ledway-series>

3M



CESTL Test Report #: 2013-0068
STR-LWY-3M-**-03-E-UL-700-40K
Initial Delivered Lumens: 10,430



STR-LWY-3M-**-03-E-UL-700
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 5,600
Initial FC at grade

Type III Medium Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
525mA				
02	2,905	B1 U0 G1	3,016	B1 U0 G1
03	4,314	B1 U0 G1	4,480	B1 U0 G1
04	5,763	B2 U0 G2	5,985	B2 U0 G2
05	7,156	B2 U0 G2	7,432	B2 U0 G2
06	8,533	B2 U0 G2	8,861	B2 U0 G2
07	9,985	B3 U0 G3	10,369	B3 U0 G3
08	11,360	B3 U0 G3	11,797	B3 U0 G3
09	12,722	B3 U0 G3	13,211	B3 U0 G3
10	14,215	B3 U0 G3	14,762	B3 U0 G3
11	15,586	B3 U0 G3	16,185	B3 U0 G3
12	16,952	B3 U0 G3	17,604	B3 U0 G3
700mA				
02	3,631	B1 U0 G1	3,771	B1 U0 G1
03	5,392	B2 U0 G2	5,600	B2 U0 G2
04	7,204	B2 U0 G2	7,481	B2 U0 G2
05	8,945	B2 U0 G2	9,290	B3 U0 G3
06	10,666	B3 U0 G3	11,076	B3 U0 G3
07	12,481	B3 U0 G3	12,961	B3 U0 G3
08	14,200	B3 U0 G3	14,746	B3 U0 G3
09	15,902	B3 U0 G3	16,514	B3 U0 G3
10	17,769	B3 U0 G3	18,452	B3 U0 G3
11	19,483	B3 U0 G3	20,232	B3 U0 G3
12	21,190	B3 U0 G3	22,004	B3 U0 G3

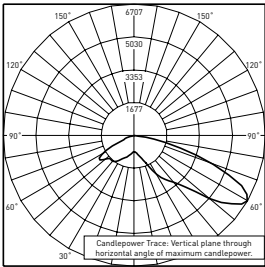
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit:
<https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>.

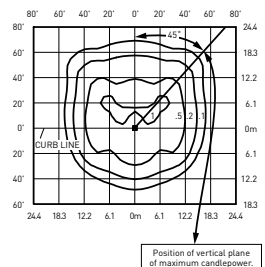
Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/street-and-roadway/ledway-series>

4M



CESTL Test Report #: 2013-0028
STR-LWY-4M-**-06-E-UL-700-40K
Initial Delivered Lumens: 11,036



STR-LWY-4M-**-03-E-UL-700
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 5,907
Initial FC at grade

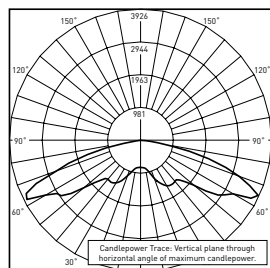
Type IV Medium Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
525mA				
02	3,064	B1 U0 G1	3,182	B1 U0 G1
03	4,550	B2 U0 G1	4,725	B2 U0 G1
04	6,079	B2 U0 G1	6,313	B2 U0 G1
05	7,549	B2 U0 G2	7,839	B2 U0 G2
06	9,000	B2 U0 G2	9,346	B2 U0 G2
07	10,532	B2 U0 G2	10,937	B2 U0 G2
08	11,982	B3 U0 G2	12,443	B3 U0 G2
09	13,419	B3 U0 G3	13,935	B3 U0 G3
10	14,994	B3 U0 G3	15,571	B3 U0 G3
11	16,440	B3 U0 G3	17,072	B3 U0 G3
12	17,880	B3 U0 G3	18,568	B3 U0 G3
700mA				
02	3,830	B1 U0 G1	3,977	B1 U0 G1
03	5,688	B2 U0 G1	5,907	B2 U0 G1
04	7,598	B2 U0 G2	7,891	B2 U0 G2
05	9,436	B2 U0 G2	9,799	B2 U0 G2
06	11,250	B2 U0 G2	11,683	B3 U0 G2
07	13,165	B3 U0 G3	13,671	B3 U0 G3
08	14,978	B3 U0 G3	15,554	B3 U0 G3
09	16,774	B3 U0 G3	17,419	B3 U0 G3
10	18,742	B3 U0 G3	19,463	B3 U0 G3
11	20,550	B3 U0 G3	21,340	B3 U0 G3
12	22,351	B3 U0 G3	23,210	B4 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit:
<https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>.

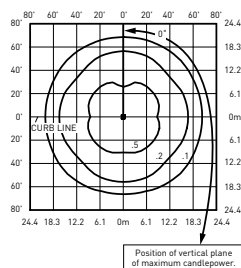
Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/street-and-roadway/ledway-series>

5M



CESTL Test Report #: 2013-0019
STR-LWY-5M-**-06-E-UL-700-40K
Initial Delivered Lumens: 11,633



STR-LWY-5M-**-03-E-UL-700
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 6,214
Initial FC at grade

Type V Medium Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
525mA				
02	3,223	B2 U0 G1	3,347	B2 U0 G1
03	4,787	B3 U0 G1	4,971	B3 U0 G1
04	6,395	B3 U0 G2	6,640	B3 U0 G2
05	7,941	B3 U0 G2	8,246	B3 U0 G2
06	9,468	B3 U0 G2	9,832	B3 U0 G2
07	11,079	B4 U0 G2	11,505	B4 U0 G2
08	12,605	B4 U0 G2	13,089	B4 U0 G2
09	14,116	B4 U0 G3	14,659	B4 U0 G3
10	15,773	B4 U0 G3	16,379	B4 U0 G3
11	17,294	B4 U0 G3	17,959	B4 U0 G3
12	18,809	B4 U0 G3	19,533	B4 U0 G3
700mA				
02	4,029	B2 U0 G1	4,184	B2 U0 G1
03	5,983	B3 U0 G2	6,214	B3 U0 G2
04	7,993	B3 U0 G2	8,301	B3 U0 G2
05	9,926	B3 U0 G2	10,308	B3 U0 G2
06	11,835	B4 U0 G2	12,290	B4 U0 G2
07	13,849	B4 U0 G3	14,381	B4 U0 G3
08	15,756	B4 U0 G3	16,362	B4 U0 G3
09	17,645	B4 U0 G3	18,324	B4 U0 G3
10	19,716	B4 U0 G3	20,474	B4 U0 G3
11	21,618	B4 U0 G3	22,449	B5 U0 G3
12	23,512	B5 U0 G3	24,416	B5 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit:
<https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>.

Luminaire EPA

Horizontal Tenon Mount							
LED Count (x10)	1 Luminaire	Single	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
	Horizontal Tenon Mount	Round External Mount / Square Internal Mount Horizontal Tenons with Luminaires					
		PT-1H/PD-1H4	PT-2H(90)/ PD-2H4(90)	PT-2H(180)/ PD-2H4(180)	PT-3H(90)/ PD-3H4(90)	PT-3H(120)	PT-4H(90)/ PD-4H4(90)
20-30	0.57	0.79	1.02	1.35	1.53	1.38	1.94
40-60	0.69	0.91	1.19	1.59	1.774	1.59	2.18
70-90	0.71	0.93	1.27	1.75	1.93	0.71	2.34
100-120	0.80	1.04	1.38	1.86	2.04	1.82	2.45

Tenon EPA

Part Number	EPA
PD Series Tenons	0.09
PT Series Tenons	0.10
WM-2L	0.13
XA-TMDA8	0.07

Tenons and Brackets* (must specify color)	
Square Internal Mount Horizontal Tenons (Aluminum) - Mounts to 4" (102mm) square aluminum or steel poles PD-1H4 – Single PD-2H4(90) – 90° Twin PD-2H4(180) – 180° Twin	Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons PT-1H – Single PT-2H(90) – 90° Twin PT-2H(180) – 180° Twin
Wall Mount Brackets - Mounts to wall or roof WM-2L – Standard	Direct Arm Pole Adaptor Bracket - Mounts to 3-6" (76-152mm) round or square aluminum or steel poles XA-TMDA8

* Refer to the [Bracket and Tenons spec sheet](#) for more details

Large Wall Lantern

Wall mounted • Wet location listed



Description:

The one-light large LED outdoor wall lantern from the District Collection features metal shade that offers an industrial-inspired design. The versatile vintage form can be used in indoor and outdoor applications. Antique Bronze finish.

Specifications:

- Antique Bronze (-20) (painted)
- Aluminum Construction
- Antique Bronze, painted white inside aluminum shade, White acrylic Diffuser
- LED Module is replaceable (part # 93054049)
- Versatile vintage form.
- Metal shade that offers an industrial-inspired design.
- Can be used in both indoor and outdoor applications.
- 623 lumens 69.2 lumens/watt per module (source)
- 3000K color temperature, 90+ CRI.
- Dimmable to 10% brightness (See Dimming Notes)
- Back plate covers a standard 4" octagonal recessed outlet box
- Mounting strap for outlet box included
- 6" of wire supplied
- ENERGY STAR® qualified
- Meets California Title 24 high efficacy requirements for outdoor use only

Performance:

Number of Modules	1
Input Power	9w
Input Voltage	120 V
Input Frequency	60 Hz
Lumens/LPW (Source)	623/69.2 (LM-82)
Lumens/LPW (Delivered)	479/61.1 (LM-79)
CCT	3000 K
CRI	90 CRI
Life (hours)	60,000 (L70/TM-21)
FCC	Meets FCC Title 47, Part 15 Class B
Min. Start Temp	-30 °C
Max. Operating Temp	30 °C
Warranty	5 year warranty
Labels	cCSAus Wet location listed
	ENERGY STAR® qualified
	Meets California Title 24 high efficacy requirements
	for outdoor use only

P5623-2030K9

Images:



Dimensions:

Width: 12"
Depth: 13-1/4"
Height: 10-1/2"
H/CTR: 5"

Glass
Width: 12"
Length: 12"
Height: 7-15/16"
Glass 2
Width: 2-7/8"
Length: 2-7/8"
Height: 0-13/16"

Large Wall Lantern

Wall mounted • Wet location listed **PROGRESS LED**



Photometrics:

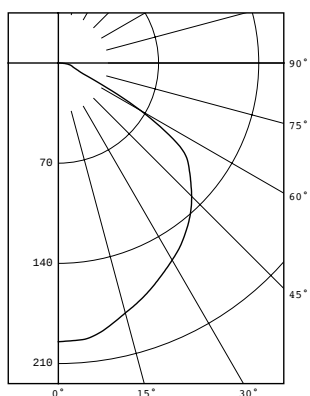
P5623-2030K9

ELECTRICAL DATA		P5623-2030K9
Input Voltage		120 V
Input Frequency		60 Hz
Input Current		0.075 A
Input Power		9
Power Factor		Greater than 0.90
THD		<20%
FCC		Meets FCC Title 47, Part 15 Class B
Operating Temperature		-30 °C to 30 °C
Dimming		Yes*

*See Dimming Notes for more information

P5623-2030K9

LED Light Engine: 3000 K 90 CRI
 System Wattage: 9
 Fixture delivered lumens: 479
 Fixture Efficacy: 61.1
 Spacing Criteria: 1.22



CANDELA DISTRIBUTION

DEG	CANDELA	LUMENS
0	195	
5	194	18
15	181	51
25	166	77
35	151	95
45	132	102
55	106	90
65	25	30
75	11	11
85	5	5
90	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0-30	146	30.5
0-40	241	50.3
0-60	432	90.2
0-90	479	100.0
90-180	0	0.0
0-180	479	100.0

P5623-2030K9

Dimming Notes:

P5623 is designed to be compatible with many ELV/Reverse Phase controls.

The following is a partial list of known compatible dimmer controls.

Dimming Controls

Lutron Nova T NTELV-300

Lutron Vienti VTELV-600

Lutron Ariadni AYCL-153P

Lutron Diva DVCL-153P

Lutron Maestro MAELV-600

Lutron spacer/system SPSELV-600

Leviton Renoir II AWRMG-EAW

Dimming capabilities will vary depending on the dimmer control, load, and circuit installation. Always refer to dimmer manufacturer instructions or a controls specialist for specific requirements.

Dimmer control brand names where identified above are trade names or registered trademarks of each respective company.

D832-LED

Modern Outdoor Luminaire



Job Information

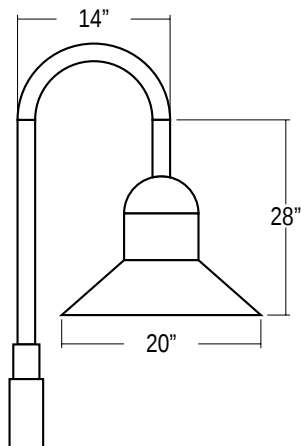
Type:

Catalog #:

Project:

Comments:

Prepared by:



Description

The D832-LED Modern Outdoor Luminaire sets the standard in flexibility for architectural area lighting. Modern shape, rugged style made of low copper aluminum die cast with opal glass diffuser and fully gasketed for weather-tight integrity. Standard finish is dark bronze, but other architectural colors are available. The Modern Outdoor luminaire offers unparalleled variety in one family of fixtures. Ideal for streets, parking lots, and surrounding areas.

Ordering Information

Example: (D832-LED-60-30-UNV-AA01-2-PT-FG-BZ-WDF)

D832-LED																	
Series	Wattage/Lumen		Color Temp.		Voltage		Arm	Mounting		Pole or Tenon Size	Lens Type	Finish	Option				
Modern Outdoor Luminaire	20	20W/2030 ^{3.5}	30	3000K	UNV	120-277V	See Page 3	1	Blank	PT	Post Top 2 3/8" Tenon	FG	Flat Glass	BZ	Bronze ¹	PC	Photocell
	30	30W/3030 ^{3.5}	35	3500K	347	347V		2	Double			BK	Black	WSF	Wired Single Fuse		
	40	40W4050 ^{3.5}	40	4000K	480	480V		3	Triple	PT3	Post Top 3" Tenon	WH	White	WDF	Wired Double Fuse		
	60	60W/6080 ^{3.5}	50	5000K ^{4.5}	(Step-Down Transformer used for 480V Divider)			4	Quad			SL	Silver				
	80	80W/8120 ^{3.5}						1W	Wall Mount	PT4	Post Top 4" Tenon	CC	Custom ²				
	100	100W/10700 ^{3.5}															
120	120W/13090 ^{3.5}																

¹ Standard for fixture

² Contact factory for custom finish

³ Delivered Lumens (5000K)

⁴ Standard Color Temp.

⁵ Specific size or consult factory

Features

- Constructed with low copper aluminum die cast with opal glass diffuser.
- High corrosion resistant polyester powder coat finish.
- Vandal resistant stainless steel hardware.
- Fully enclosed and gasketed for outdoor applications.
- Suitable for wet locations.
- Housing natively offers Full Cut-Off light output for Dark Sky Compliance.

Lumen Chart

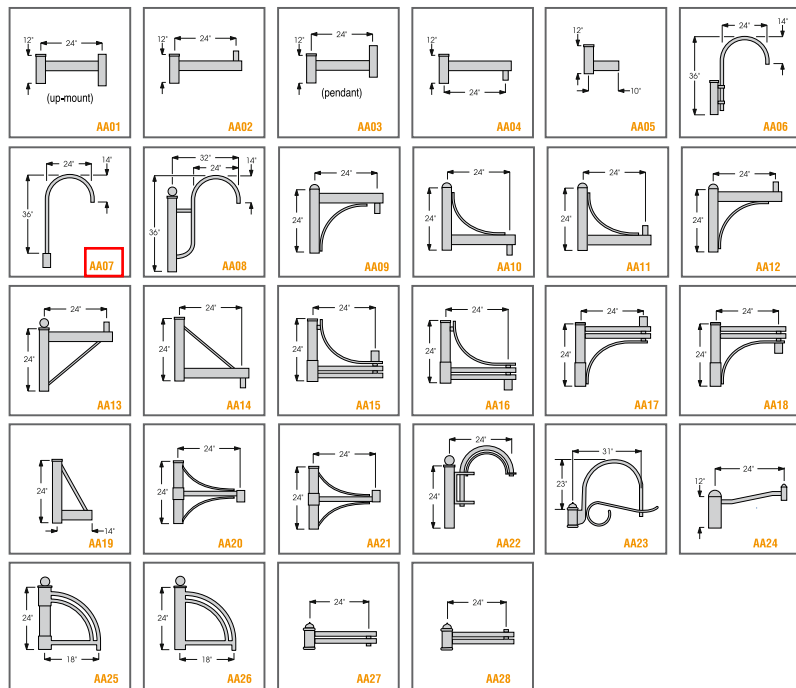
Lumen Chart				
Wattage	5000K	4000K	3500K	3000K
20	2030	1930	1840	1750
30	3030	2880	2740	2610
40	4050	3850	3660	3480
60	6080	5780	5500	5230
80	8120	7720	7340	6980
100	10700	10170	9670	9190
120	13090	12440	11820	11230

*Lumen outputs are based on the 5000K performance data and then scaled down to the other temperatures.

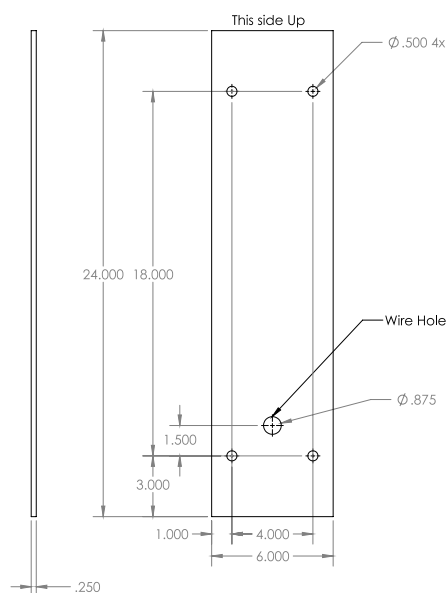
Performance Data

CRI:	80+
CCT:	3000K, 3500K, 4000K, 5000K
Warranty:	10 yr. Limited Warranty
Dimming:	Available with 0-10V inputs dimming down to 10%
Operating Temperature:	0°-60°C Max Ambient
L70 Rating:	100,000+ Hours
IP Rating:	IP65
Sound Rating:	Class A (inaudible in a 24dB ambient environment)
Driver Current:	700mA

Arm Options



Wall Plate Mounting



S:\2020\PROJECTS\1571\MEADOWOOD RANCH\1571-1571-001\1571-1571-001.dwg 9/25/2020 10:50:37 AM PLOT



PHOTOMETRIC ANALYSIS

SCALE: 1" = 40'

LIGHTING NOTES

- ALL LIGHTING SHALL COMPLY WITH THE CITY OF SANTA ROSA STREET LIGHTING DESIGN STANDARDS AND MEET THE APPLICABLE 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE.
- SITE LIGHTING SHALL BE DIRECTED AND INSTALLED TO PREVENT OFF-SITE GLARE TO RESIDENCES.
- LUMINAIRES SHALL BE FULL CUTOFF ON ALL LOCAL ROADS AND IN ALL RESIDENTIAL AREAS. LUMINAIRES SHALL BE CUTOFF OR FULL CUTOFF IN ALL OTHER AREAS.
- THESE CALCULATIONS ARE BASED ON LIGHT LOCATIONS, TYPE, AND MOUNTING HEIGHT AS INDICATED ON THE PLAN AND LEGEND.
- LIGHTING SHALL BE EQUIPPED WITH VANDAL RESISTANT COVERS IN AREAS ADJACENT TO THE PUBLIC RIGHT OF WAY, AS REQUIRED.
- ALL EXTERIOR DOORS SHALL BE PROVIDED WITH THEIR OWN LIGHT SOURCE AND SHALL BE ADEQUATELY ILLUMINATED AT ALL HOURS OF DARKNESS TO MAKE CLEARLY VISIBLE THE PRESENCE OF ANY PERSON ON OR ABOUT THE PREMISES AND PROVIDE ADEQUATE ILLUMINATION FOR PERSONS EXITING THE BUILDING.
- PROPOSED DECORATIVE STREET LIGHTS (CITY STANDARD 615D) ARE TYPICALLY SPACED 110 TO 150 FEET ON CENTER. STREET LIGHTS SHOWN HAVE BEEN SPACED TO ACHIEVE 0.3 FC ON THE MINOR PUBLIC STREETS AND SIDEWALKS.
- PROPOSED COBRA-HEAD STREET LIGHTS (CITY STANDARD 611) SHALL BE LED LUMINAIRES, PRODUCED BY A MANUFACTURER APPROVED BY THE CITY OF SANTA ROSA. COLOR TEMPERATURE SHALL BE LESS THAN 4000K.

PRIVATE LIGHTING LEGEND

SYMBOL	TYPE	MANUFACTURER	MODEL #	MOUNTING HEIGHT	NOTES	QTY.
	PRIVATE LIGHT STANDARD	DECO LIGHTING	D832-LED-40-40-UNV-1-AA07-S-FG POLE: DP4R-S-10"11GA-TN238-BL	14'	LED 40W	TBD
	SMALL SPOT LIGHT	KIM LIGHTING	SCARAB-EL700F3/12L4KUV-BL-EP17	3"	LED AIM AT SIGN	8
	BOLLARD LIGHT	CREE LIGHTING	PWY-EDG-3M-P3-02-E-UL-BK-350-40K	36"		88
	PRIVATE PATH LIGHT	KIM LIGHTING	EL190-3L3K-UV-DB-H80DB-EP17	20"	POOL AREA	TBD
	BUILDING EXTERIOR LIGHTING FOR ALLEYS, WALL MOUNTED	SEE ARCHITECTURAL / CUT SHEET		7'±	PHOTOCELL AT ALLEYS	TBD

LIGHT STANDARD FOOTING TYPE:
24" HT, 24" DIA. CONC. FOOTING PER STRUCTURAL. 12'-0" LIGHT POLE HT. PER LEGEND INSTALLED SO THAT CENTER OF POLE IS 3'-0" FROM CURB FACE OR AS SHOWN ON PLAN.

PUBLIC LIGHTING LEGEND

SYMBOL	TYPE	MANUFACTURER/SERIES	LUMINAIRE MODEL #	MOUNTING HEIGHT	ARM LENGTH	NOTES	QTY.
	EXISTING PUBLIC LIGHT STANDARD		PER CITY STANDARD 611/615	15'-6" TO 28'-0"	6' VIF	PROTECT IN PLACE	-
	INTERIOR STREET LIGHT STANDARD PER CITY STD 615D *	HALOPHANE	AWDE-P20-30K-MVOLT-MS-AL3LU-GN W/ PHOTO CONTROL OPTION AND POLE PER CITY STD (TYPE 3 DIST. 3000K)	15'-6"	N/A	6,000 LUMEN 70 W LED	19
	INTERIOR STREET LIGHT STANDARD PER CITY STD 615D *	HALOPHANE	AWDE-P20-30K-MVOLT-MS-AL3LU-GN W/ PHOTO CONTROL OPTION AND POLE PER CITY STD (TYPE 5 DIST. 3000K)	15'-6"	N/A	6,000 LUMEN 70 W LED	1
	COBRAHEAD STYLE LIGHT STANDARD PER CITY STD 611**	CREE LEDWAY	STR-LWY-3M-HT-08-E-UL-SV-525-N-7PIN-40K W/ PHOTO CONTROL OPTION PER CITY STD (TYPE 3 DIST. 4000K)	28'-0"	6'	80 W LED	1

- * INSTALL PER MFR MOUNTING DESIGN AND CITY STANDARDS 602, 620B, LEVELING DETAIL PER MFR.
- ** INSTALL PER CITY STANDARDS 620A, 621, 602. ALL STREET LIGHT POLES SHALL BE AMERON SERIES PL, LANDMARK LIGHTING S3508, PACIFIC UNION METAL LA 10120 OR AN APPROVED EQUAL

PHOTOMETRIC SCHEDULE

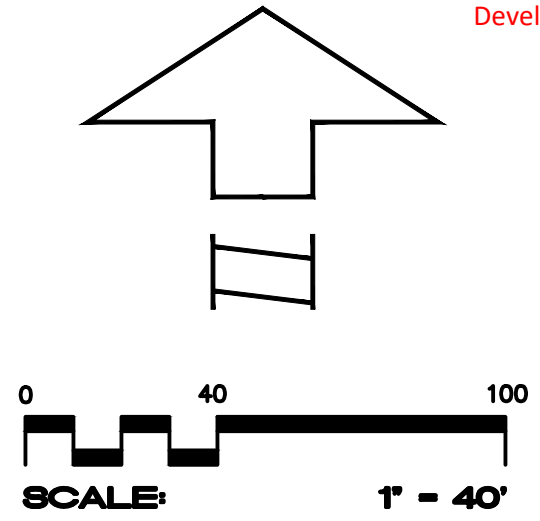
	TYPICAL ALLEY	TYPICAL ALLEY CONNECTOR
AVERAGE FOOTCANDLES	0.88	0.65
MAX. FOOTCANDLES	3.9	5.6
MIN. FOOTCANDLES	0.2	0.2**
UNIFORMITY RATIO*	3:1 **	4:1 **

- *AVERAGE TO MIN. FOOTCANDLE READING ON PAVEMENT
- **CALCULATION LIMITED TO AREAS OF VEHICULAR ACCESS WITHIN PRIVATE STREETS

PHOTOMETRIC PARAMETERS:

- ANALYSIS LIMITED TO PRIVATE EGRESS AREAS
- LIGHT READINGS ARE ESTIMATED LEVELS IN PRIME CONDITIONS AND SHOULD NOT BE TAKEN AS EXACT READINGS.
- FOOT CANDLE LIGHT READINGS ARE SPACED 10 FT. APART
- EXISTING STREET LIGHTING IS SIMULATED BASED ON DATA PROVIDED FROM MFRS. AND APPROXIMATIONS OF EXISTING STREET LIGHTING.

City of Santa Rosa
Planning & Economic
Development Department
Mar 26, 2021
RECEIVED



CIVIL DESIGN CONSULTANTS, INC.

2200 Range Avenue, Suite 204
Santa Rosa, CA 95403
(707) 542-4820

LIGHTING PLAN AND PHOTOMETRIC ANALYSIS
MEADOWOOD RANCH

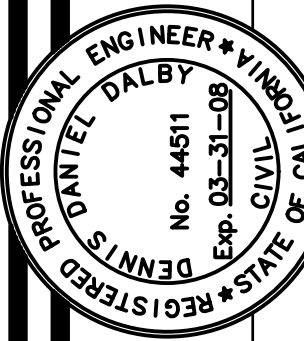
SEPTEMBER 2007
1134 ACRES
2853 AND 2875 DUTTON MEADOW
78 LOTS
1 COMMON PARCEL
APN 043-111-005, 006
DOC. NO. 2002-008699
SANTA ROSA, CALIFORNIA
DOC. NO. 2001-064068

JOB NO.
20-117

SHEET NO.

PA1

OF 1 SHEETS



DENNIS D. DALBY
P.E. 44511
DATE

3/21/2021