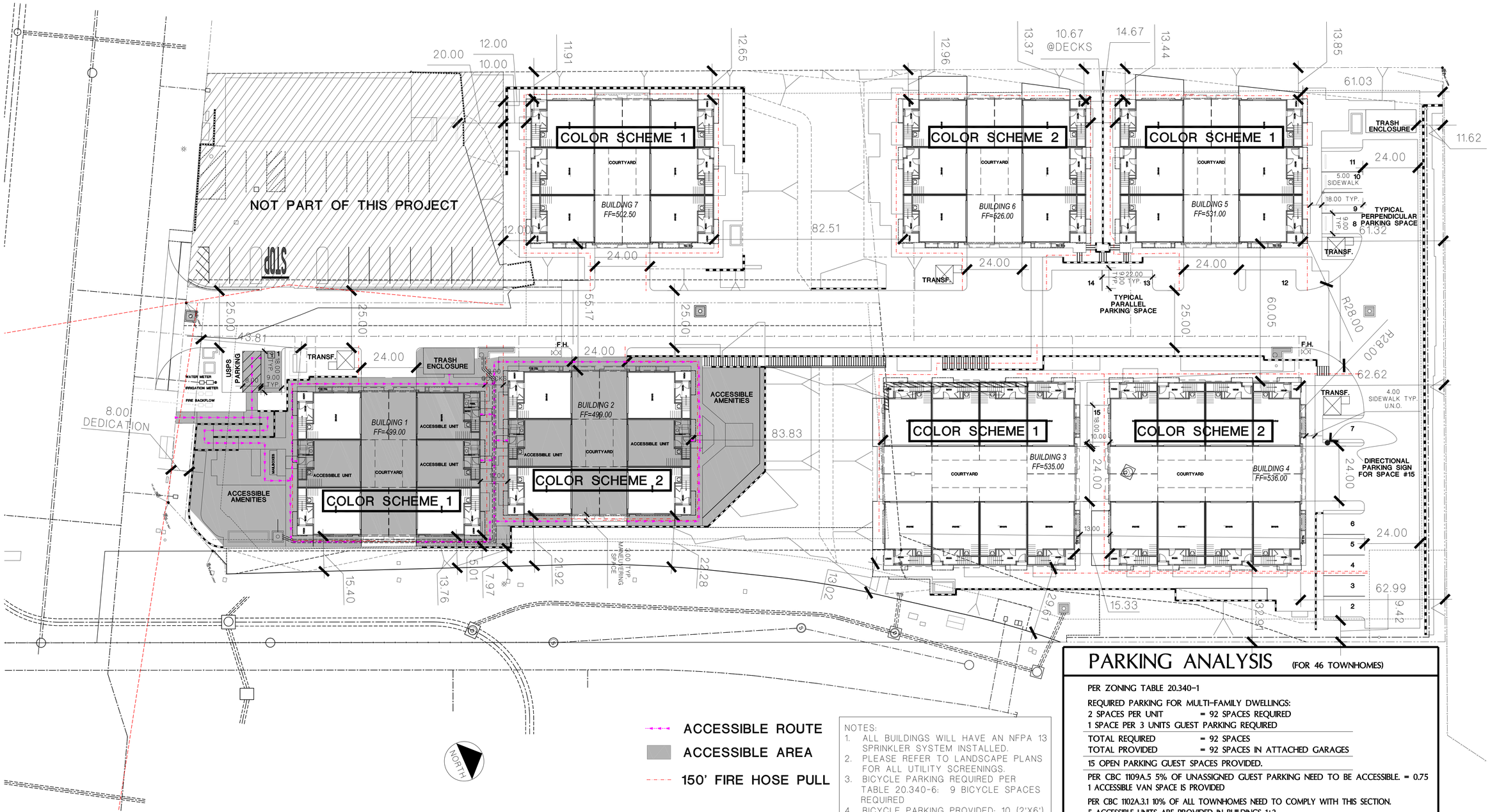
ATTACHMENT E2

PROJECT ARCHITECTURAL PLANS



NOTES:
1. ALL BUILDINGS WILL HAVE AN NFPA 13 SPRINKLER SYSTEM INSTALLED.
2. PLEASE REFER TO LANDSCAPE PLANS FOR ALL UTILITY SCREENINGS.
3. BICYCLE PARKING REQUIRED PER TABLE 20.340-6: 9 BICYCLE SPACES REQUIRED
4. BICYCLE PARKING PROVIDED: 10 (2'X6') BICYCLE PARKING SPACES PROVIDED AND DISTRIBUTED THROUGHOUT THE SITE. PLEASE REFER TO LANDSCAPE PLANS FOR LOCATIONS.
5. NO GUEST BICYCLE PARKING REQUIRED.

PARKING ANALYSIS (FOR 46 TOWNHOMES)

PER ZONING TABLE 20.340-1

REQUIRED PARKING FOR MULTI-FAMILY DWELLINGS:
2 SPACES PER UNIT = 92 SPACES REQUIRED
1 SPACE PER 3 UNITS GUEST PARKING REQUIRED

TOTAL REQUIRED = 92 SPACES
TOTAL PROVIDED = 92 SPACES IN ATTACHED GARAGES

15 OPEN PARKING GUEST SPACES PROVIDED.

PER CBC 1109A.5 5% OF UNASSIGNED GUEST PARKING NEED TO BE ACCESSIBLE. = 0.75
1 ACCESSIBLE VAN SPACE IS PROVIDED

PER CBC 1102A.3.1 10% OF ALL TOWNHOMES NEED TO COMPLY WITH THIS SECTION.
5 ACCESSIBLE UNITS ARE PROVIDED IN BUILDINGS 1+2.
THOSE 5 GARAGES COMPLY WITH CBC 1109A.2.1

PER CGBSC 4.106.4.1 ALL PRIVATE ATTACHED GARAGES WILL HAVE A DEDICATED RACEWAY FOR THE FUTURE INSTALLATION OF EV CHARGERS.
NO EV PROVISIONS FOR THE GUEST PARKING IS REQUIRED.

SOUTH SANTA FE TOWNHOMES

SAN MARCOS, CA

SANTA FE LOS FLORES LP

PO BOX 903
RANCHO SANTA FE, CALIFORNIA 92067

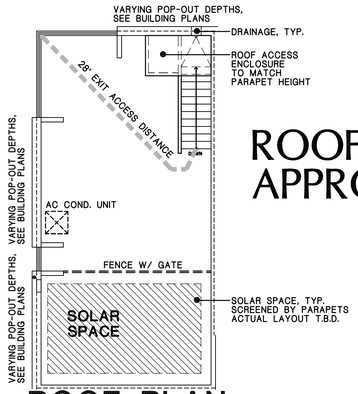
ARCHITECTURAL SITE PLAN

SCALE : 1"=20'-0"

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1.0



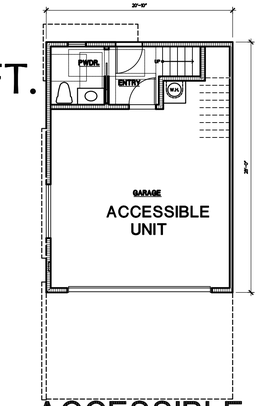
ROOF DECK
APPROX. 450 SQ. FT.

ROOF PLAN

SEE BUILDING PLANS FOR MORE INFORMATION

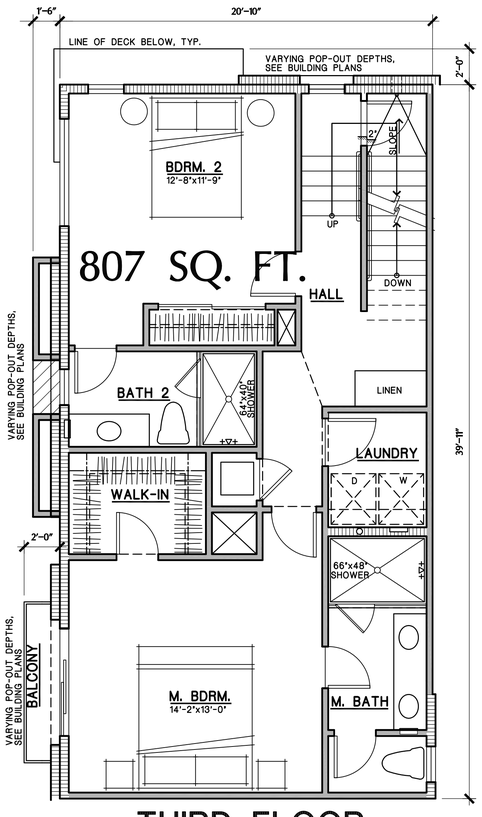
SCALE : 1/8"=1'-0"

132 SQ. FT.



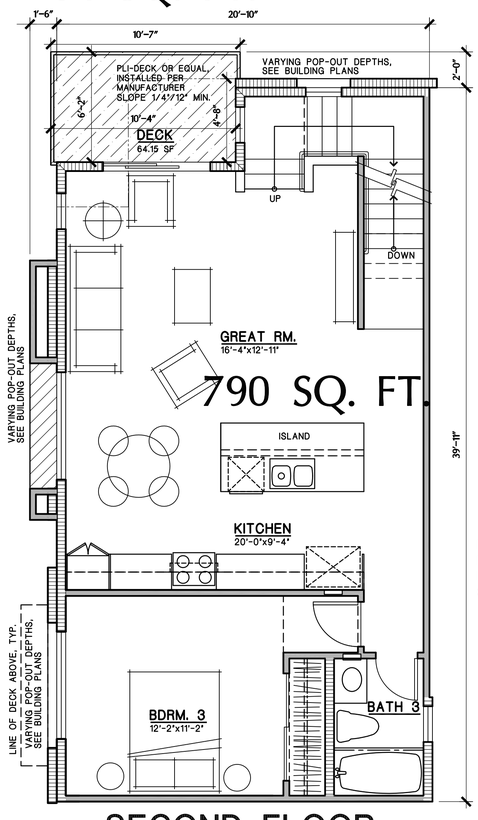
ACCESSIBLE UNIT

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

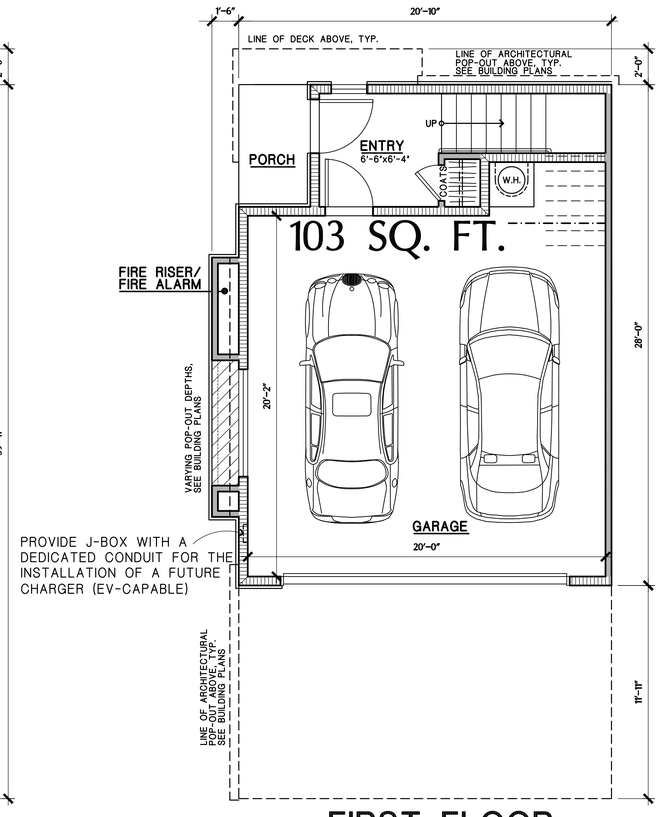


THIRD FLOOR

DECK
64 SQ. FT.



SECOND FLOOR



FIRST FLOOR

1700 SQ. FT.

UNIT PLAN 1

TYPICAL CORNER UNIT

SOUTH SANTA FE TOWNHOMES

SAN MARCOS, CA

SANTA FE LOS FLORES LP

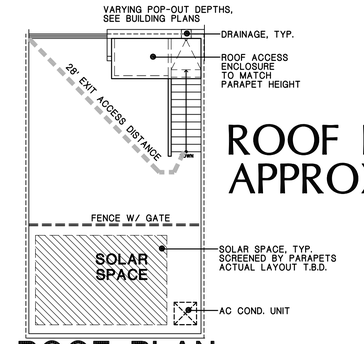
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SCALE : 1/4"=1'-0"

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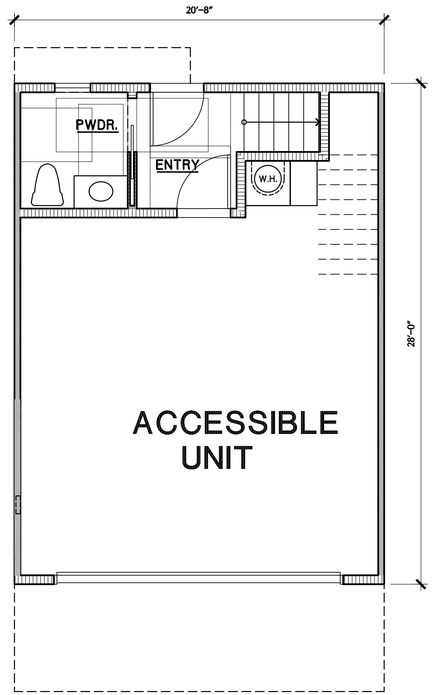
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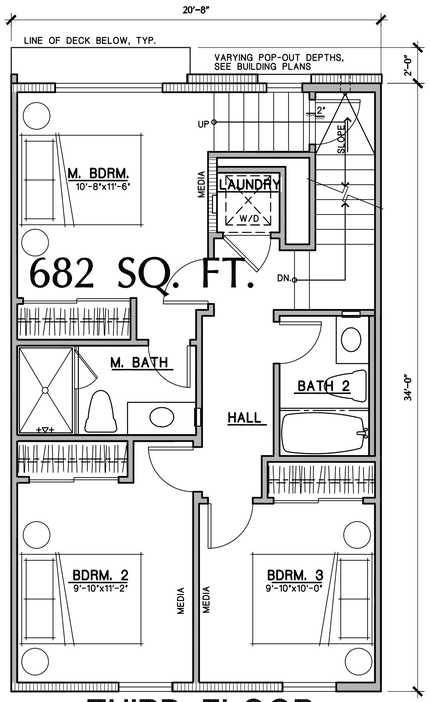


ROOF DECK
APPROX. 340 SQ. FT.

ROOF PLAN
SEE BUILDING PLANS FOR MORE INFORMATION
SCALE : 1/8"=1'-0"

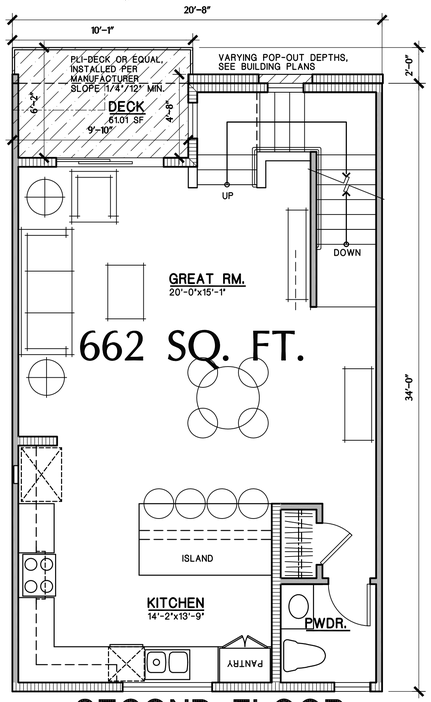
130 SQ. FT.





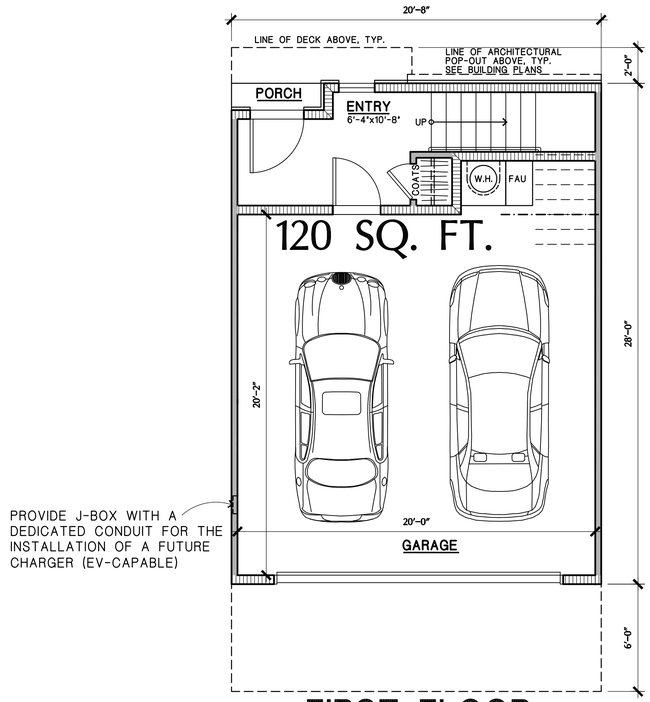
THIRD FLOOR

DECK
61 SQ. FT.



SECOND FLOOR

1464 SQ. FT.
UNIT PLAN 2
TYPICAL INNER UNIT



PROVIDE J-BOX WITH A DEDICATED CONDUIT FOR THE INSTALLATION OF A FUTURE CHARGER (EV-CAPABLE)

FIRST FLOOR

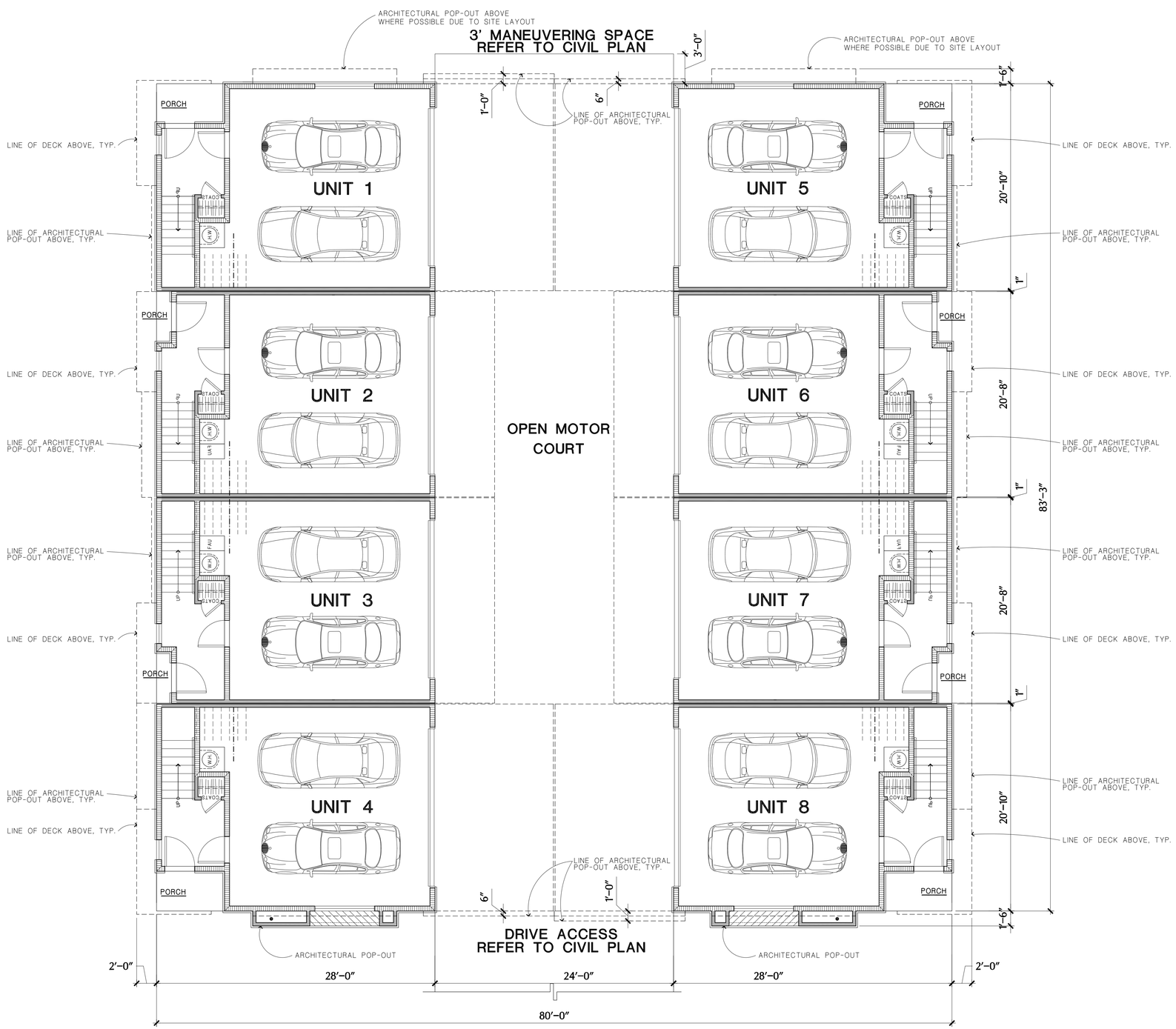
SOUTH SANTA FE TOWNHOMES
SAN MARCOS, CA

SANTA FE LOS FLORES LP
PO BOX 903
RANCHO SANTA FE, CALIFORNIA 92067

SCALE : 1/4"=1'-0"
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1.2



BUILDING 3
FIRST FLOOR
TYPICAL BUILDING PLAN 8-PLEX

SOUTH SANTA FE TOWNHOMES
SAN MARCOS, CA

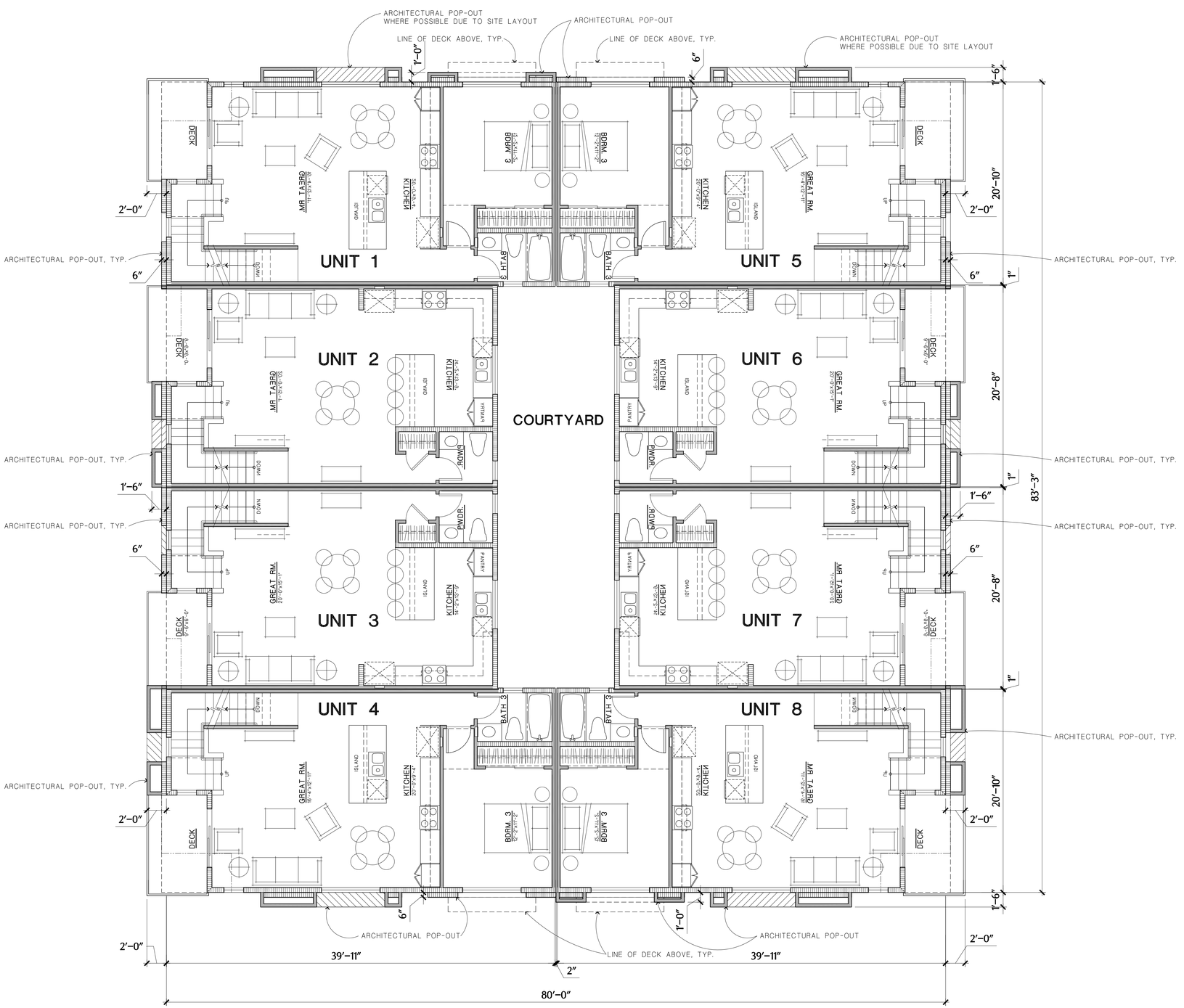
SCALE : 3/16"=1'-0"

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2.1



BUILDING 3
SECOND FLOOR
TYPICAL BUILDING PLAN 8-PLEX

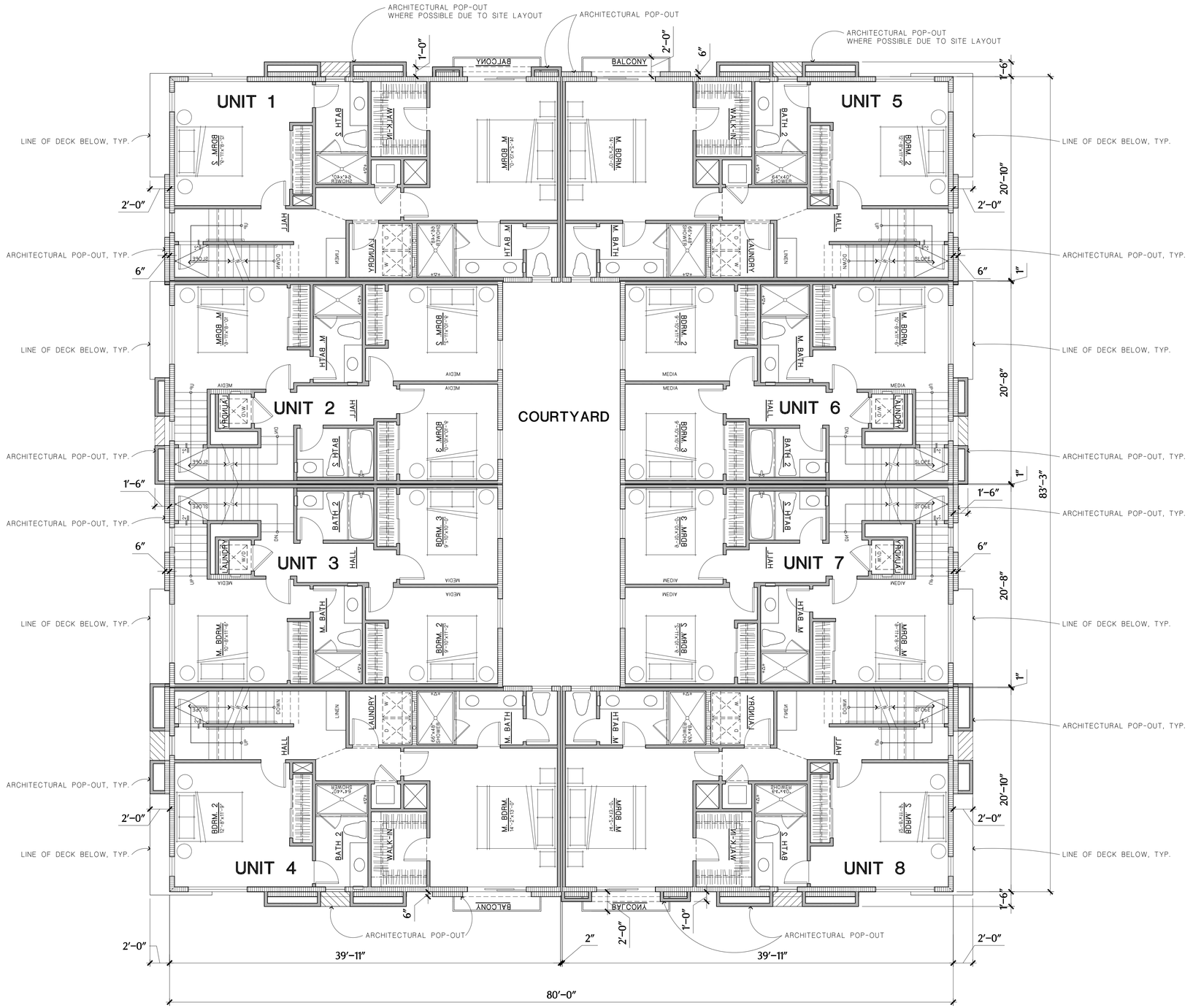
SOUTH SANTA FE TOWNHOMES
SAN MARCOS, CA

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

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BUILDING 3
THIRD FLOOR
TYPICAL BUILDING PLAN 8-PLEX

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

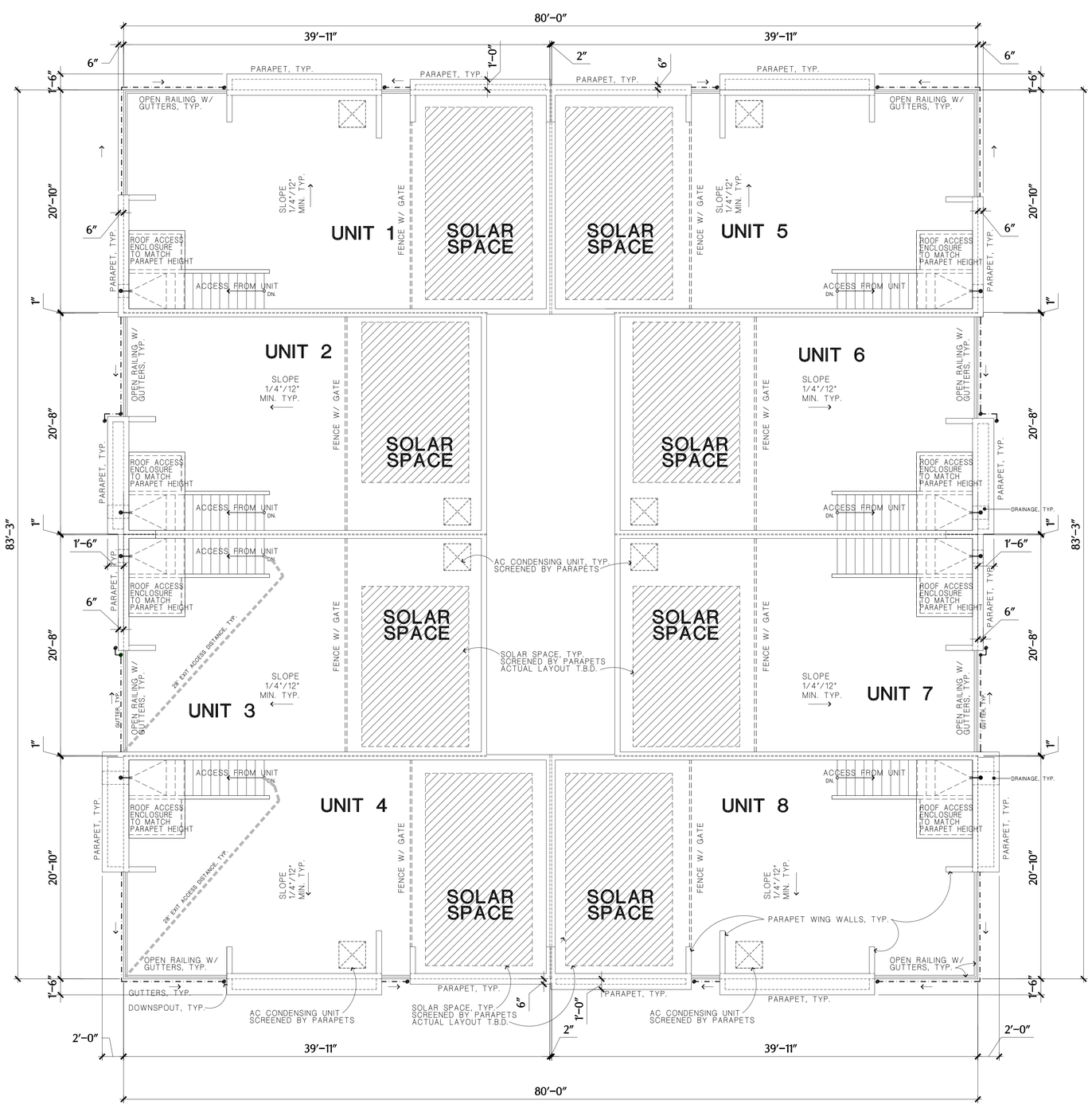
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SOUTH SANTA FE TOWNHOMES
SAN MARCOS, CA

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2.3



BUILDING 3
ROOF PLAN
TYPICAL BUILDING PLAN 8-PLEX

SOUTH SANTA FE TOWNHOMES
SAN MARCOS, CA

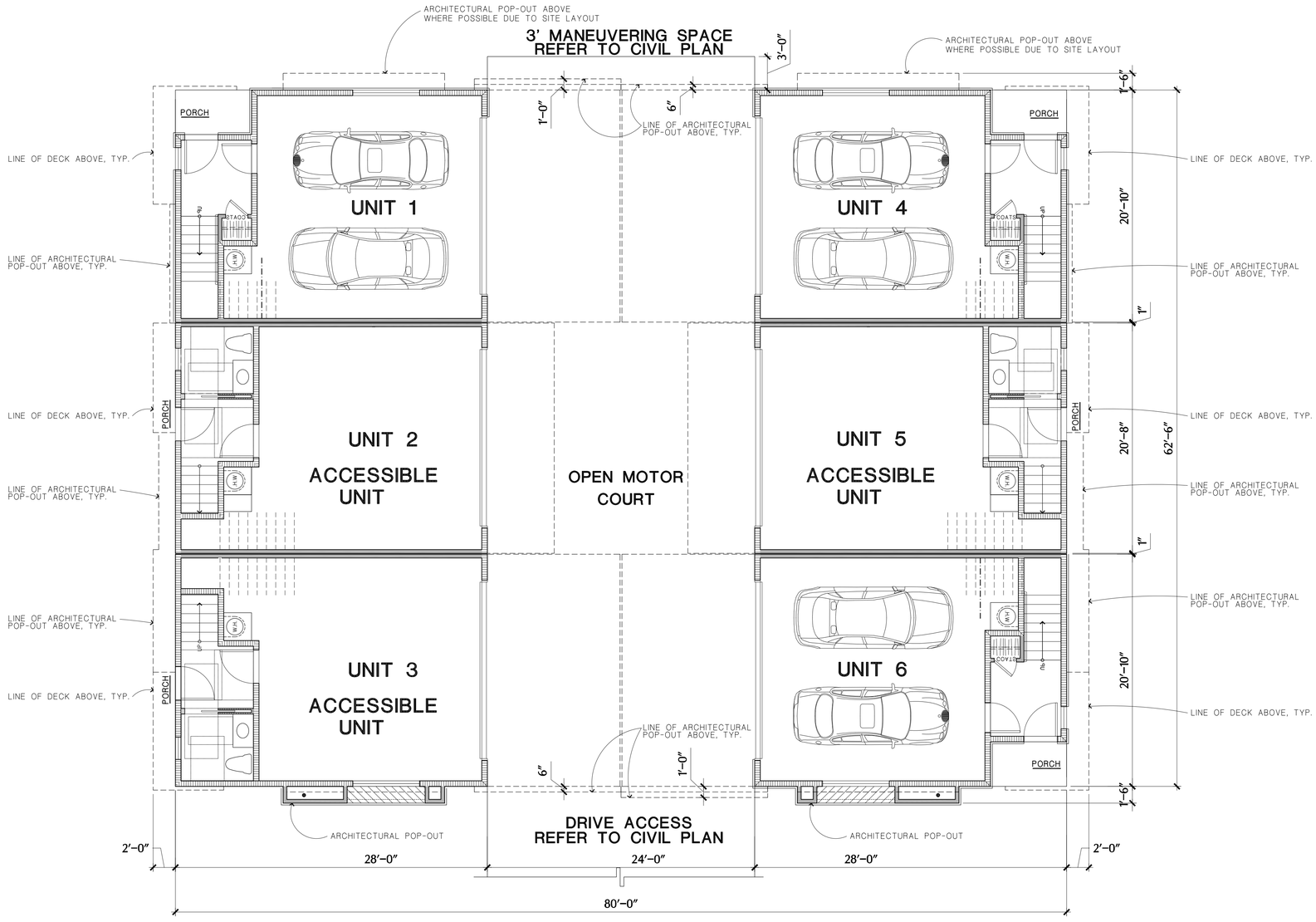
SANTA FE LOS FLORES LP
PO BOX 903
RANCHO SANTA FE, CALIFORNIA 92067

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

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2.4



BUILDING 1
FIRST FLOOR
BUILDING PLAN 6-PLEX

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

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SOUTH SANTA FE TOWNHOMES

SAN MARCOS, CA

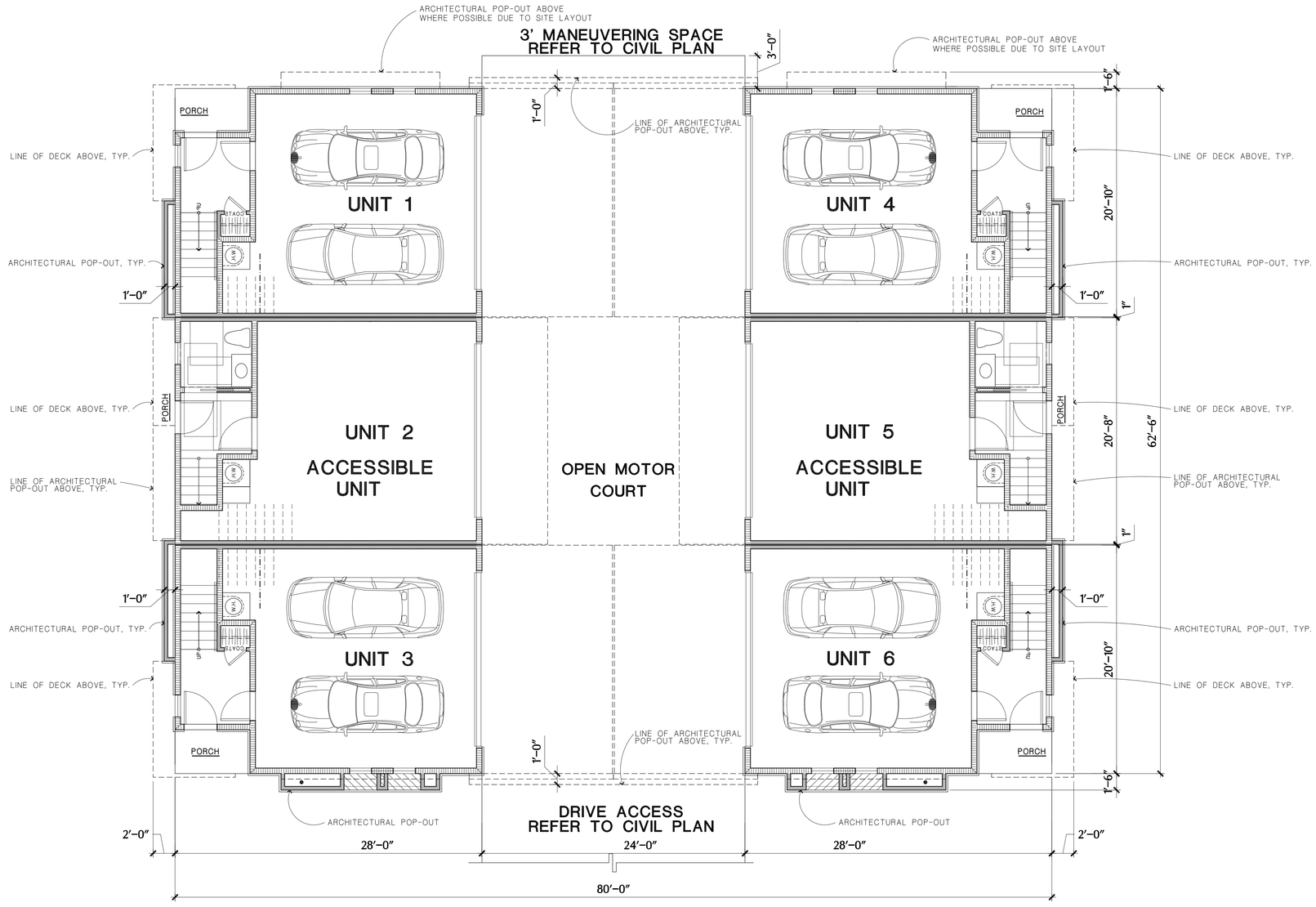
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BUILDING 2
FIRST FLOOR
BUILDING PLAN 6-PLEX

SOUTH SANTA FE TOWNHOMES

SAN MARCOS, CA

SANTA FE LOS FLORES LP

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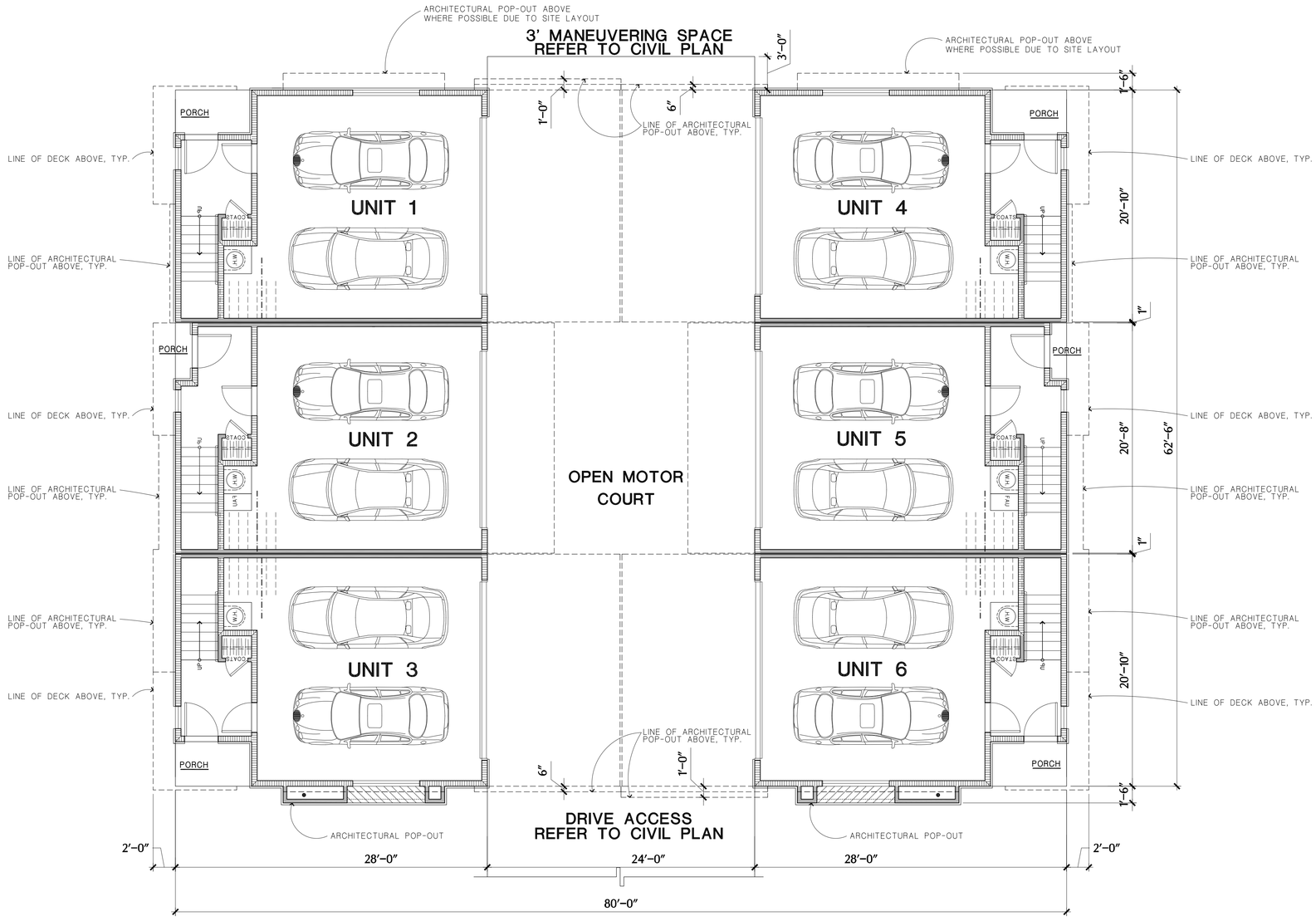
SCALE : 3/16"=1'-0"

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3.2



BUILDINGS 5+6+7
FIRST FLOOR
TYPICAL BUILDING PLAN 6-PLEX

SOUTH SANTA FE TOWNHOMES
SAN MARCOS, CA

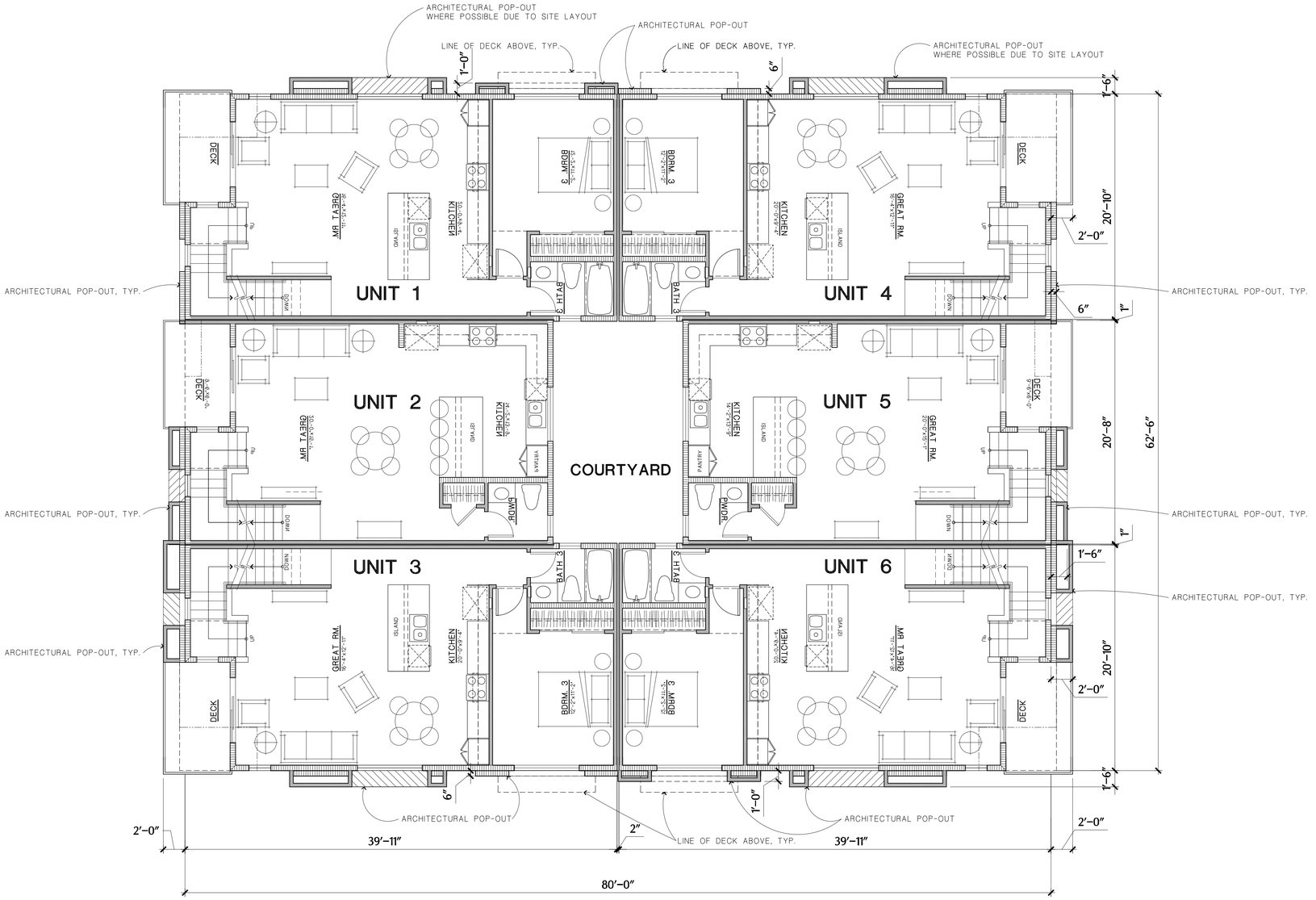
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SCALE : 3/16"=1'-0"

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3.3



BUILDING 1
SECOND FLOOR
TYPICAL BUILDING PLAN 6-PLEX

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

05/16/25
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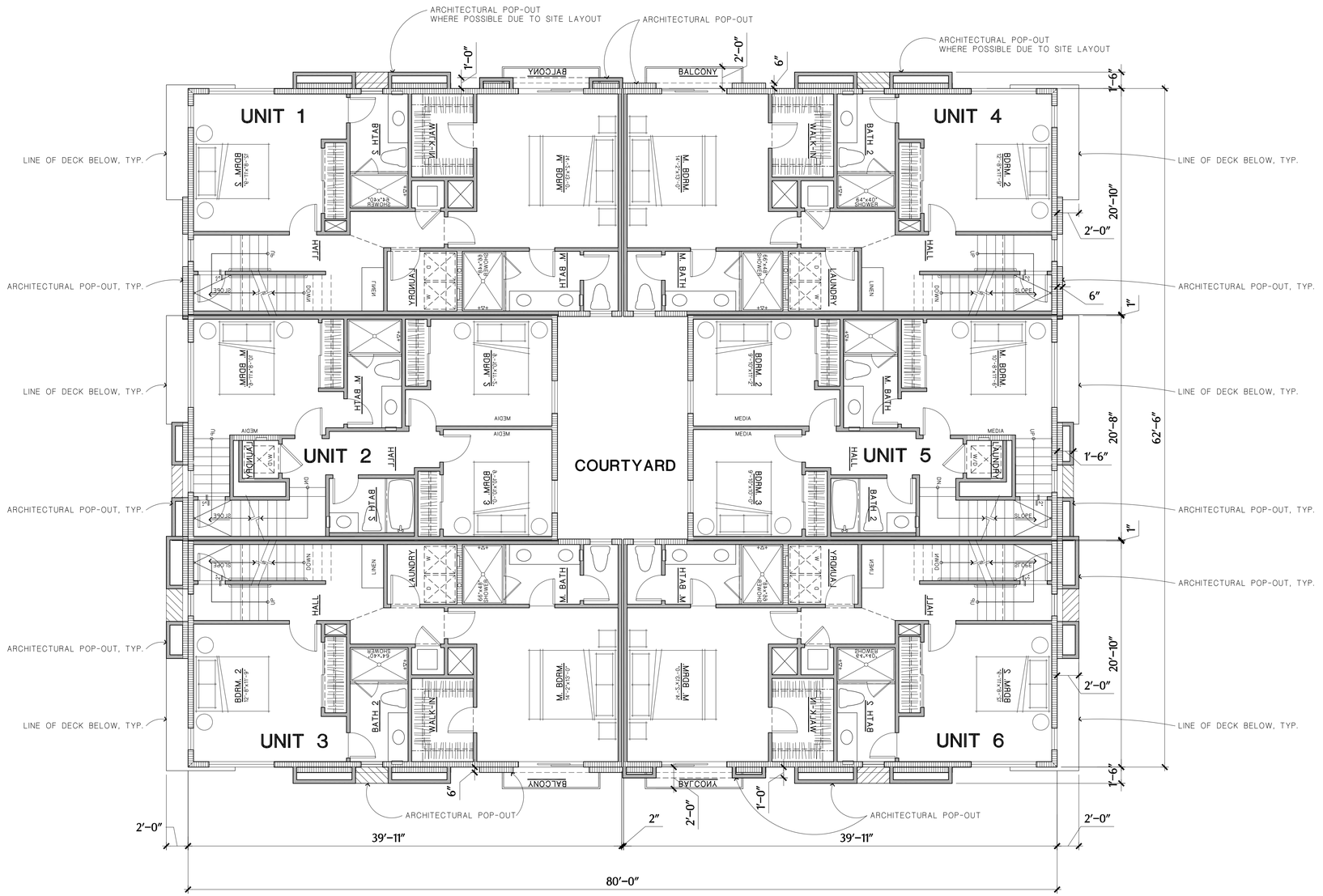
SOUTH SANTA FE TOWNHOMES

SAN MARCOS, CA

SANTA FE LOS FLORES LP

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BUILDING 1
THIRD FLOOR
TYPICAL BUILDING PLAN 6-PLEX

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

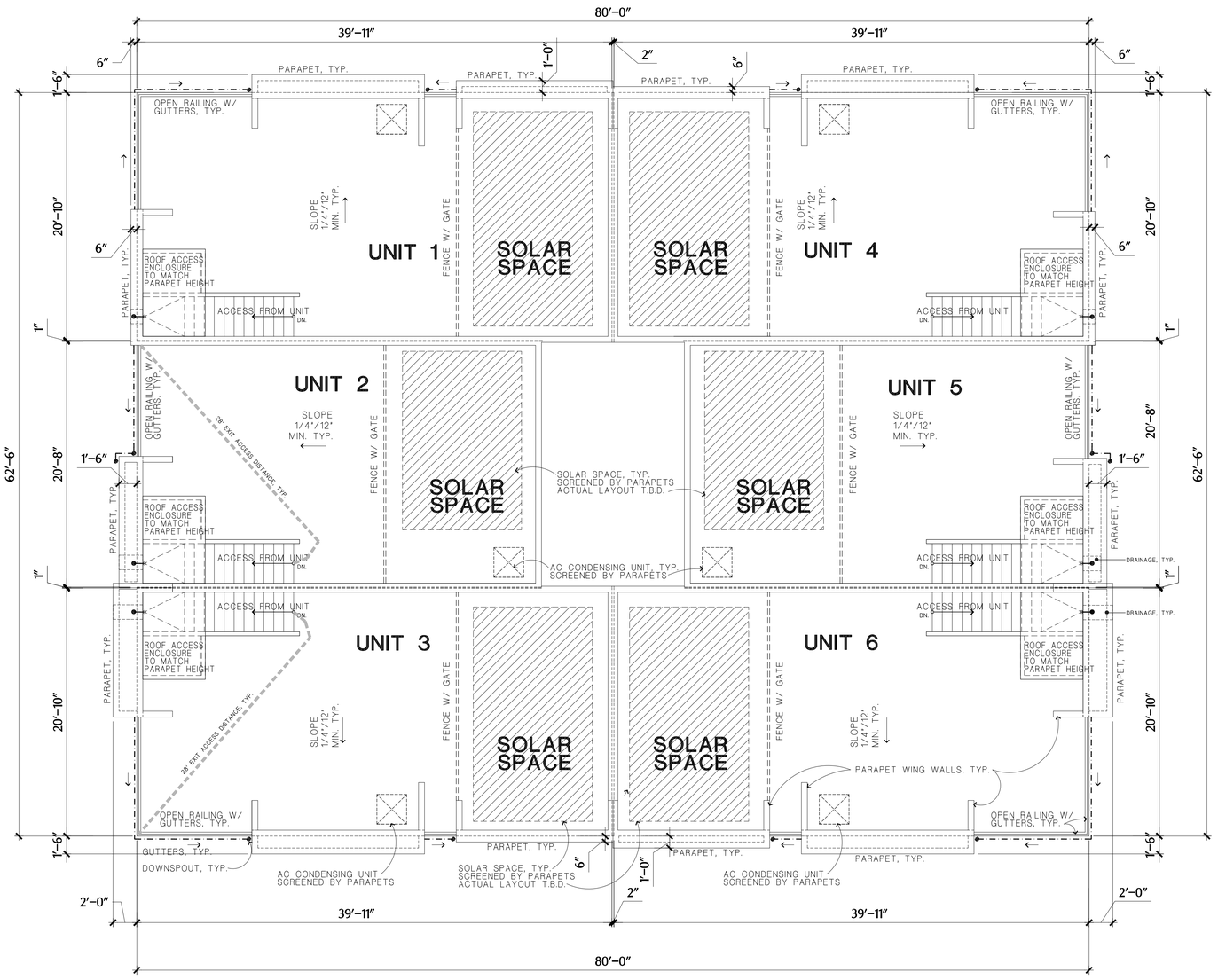
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SOUTH SANTA FE TOWNHOMES
SAN MARCOS, CA

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3.5



BUILDING 1
ROOF PLAN
TYPICAL BUILDING PLAN 6-PLEX

SOUTH SANTA FE TOWNHOMES

SAN MARCOS, CA

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

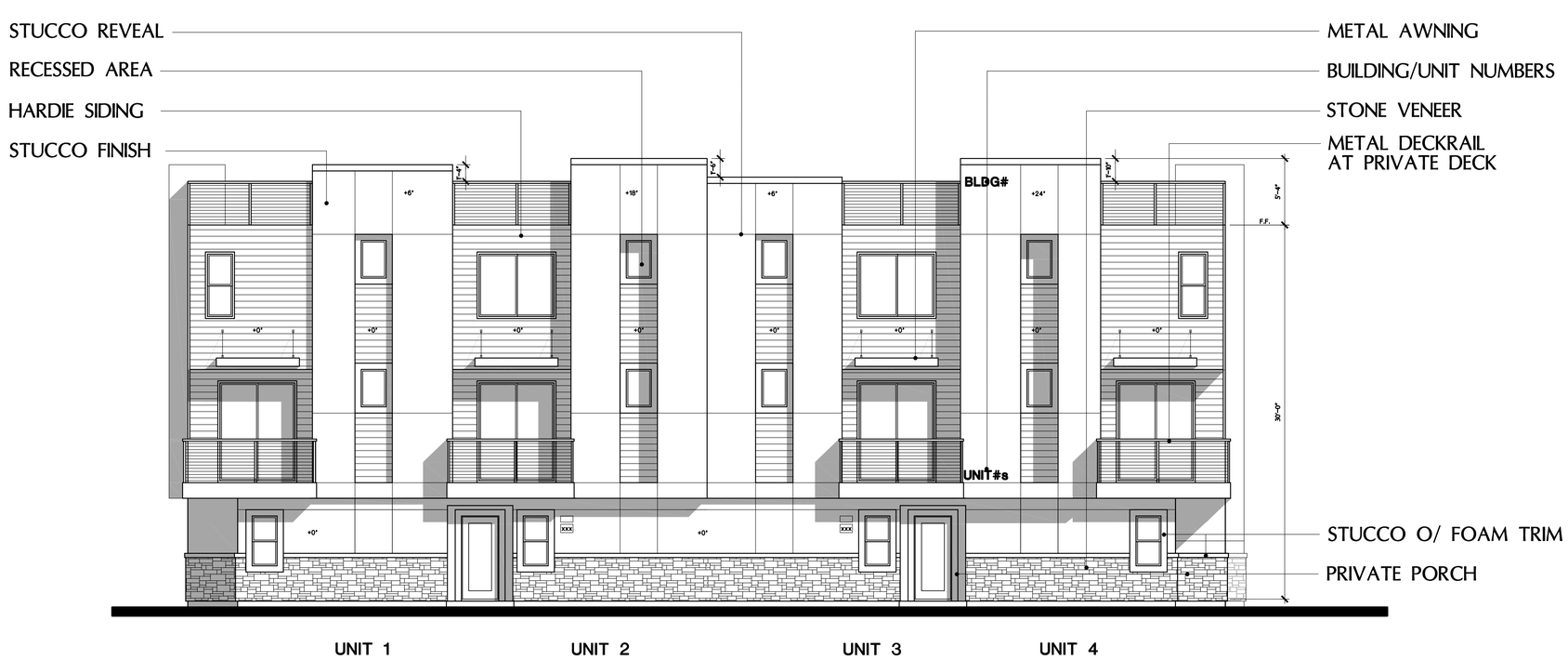
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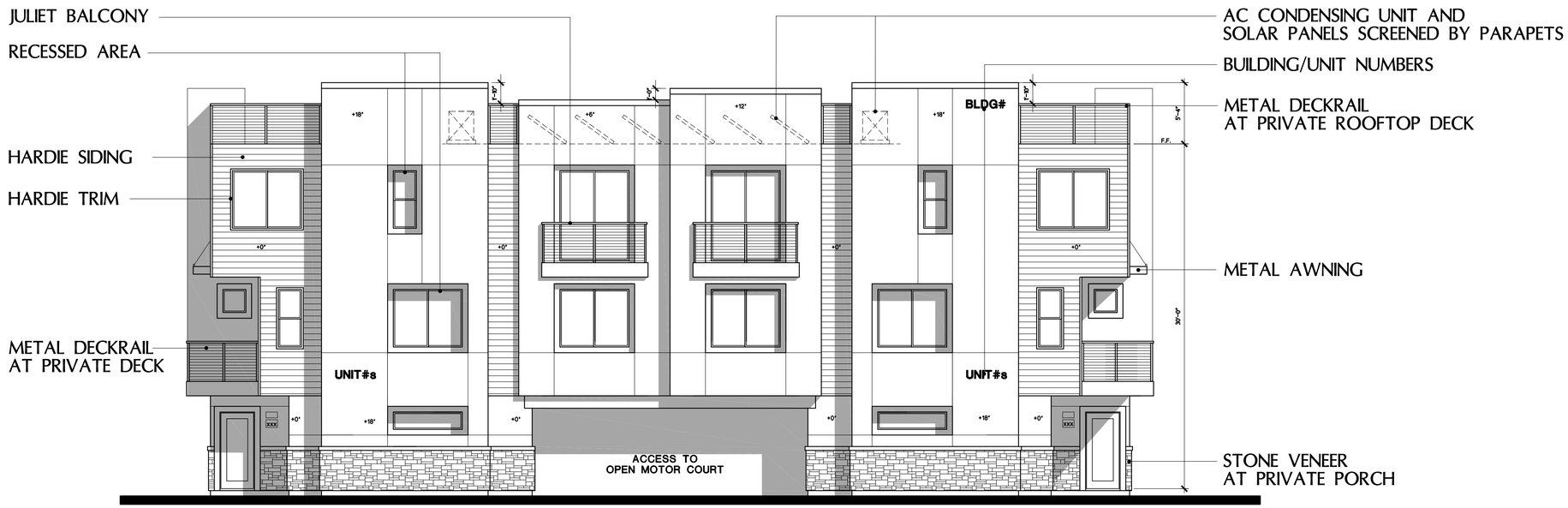
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BUILDING 3
EAST ELEVATION



BUILDING 3
NORTH ELEVATION

BUILDING 3
ELEVATION TYPE I
BUILDING ELEVATIONS 8-PLEX

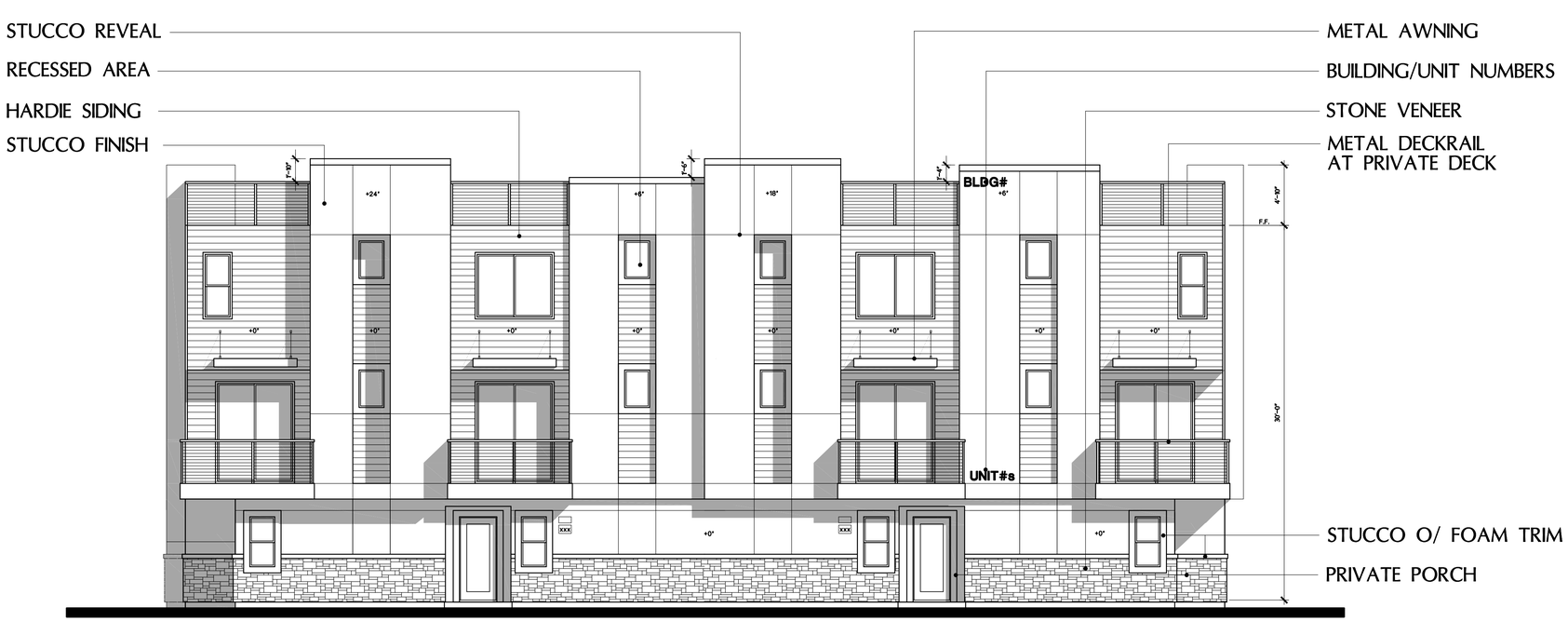
SOUTH SANTA FE TOWNHOMES
SAN MARCOS, CA

SANTA FE LOS FLORES LP
PO BOX 903
RANCHO SANTA FE, CALIFORNIA 92067

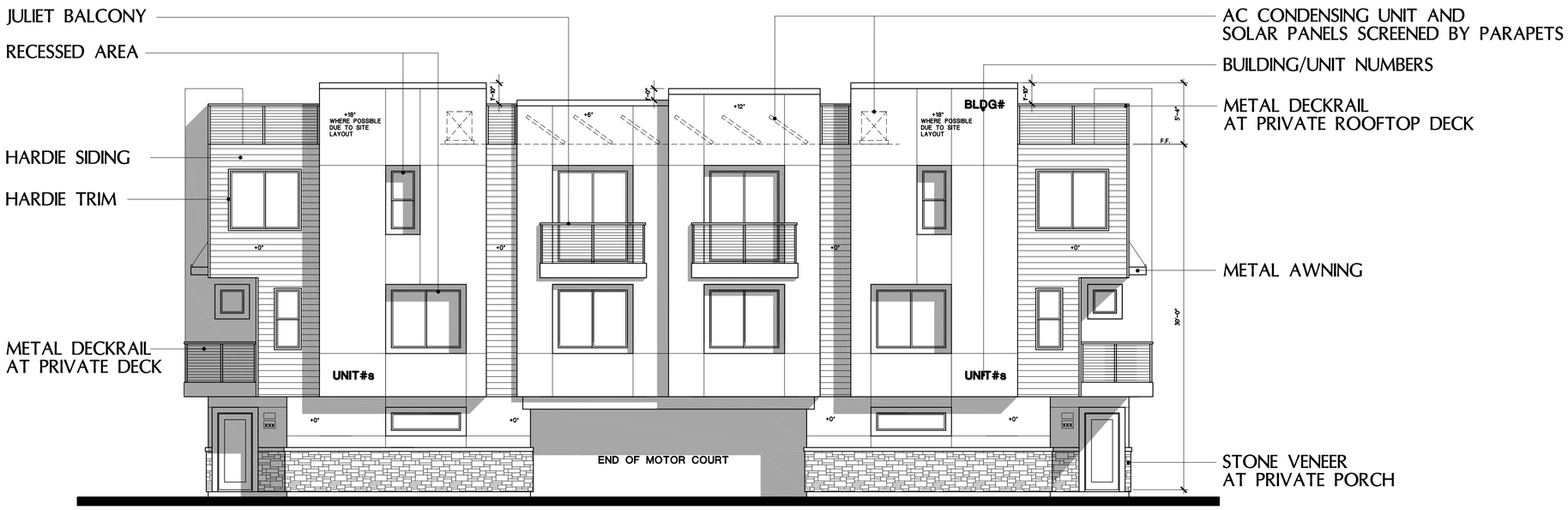
SCALE : 3/16"=1'-0"
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4.1



BUILDING 3
WEST ELEVATION



BUILDING 3
SOUTH ELEVATION

BUILDING 3
ELEVATION TYPE I
BUILDING ELEVATIONS 8-PLEX

SOUTH SANTA FE TOWNHOMES
SAN MARCOS, CA

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4.2



BUILDING 4
EAST ELEVATION



BUILDING 4
NORTH ELEVATION

BUILDING 4
ELEVATION TYPE II
BUILDING ELEVATIONS 8-PLEX

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SAN MARCOS, CA

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SCALE : 3/16"=1'-0"
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BUILDING 4
WEST ELEVATION



BUILDING 4
SOUTH ELEVATION

BUILDING 4
ELEVATION TYPE II
BUILDING ELEVATIONS 8-PLEX

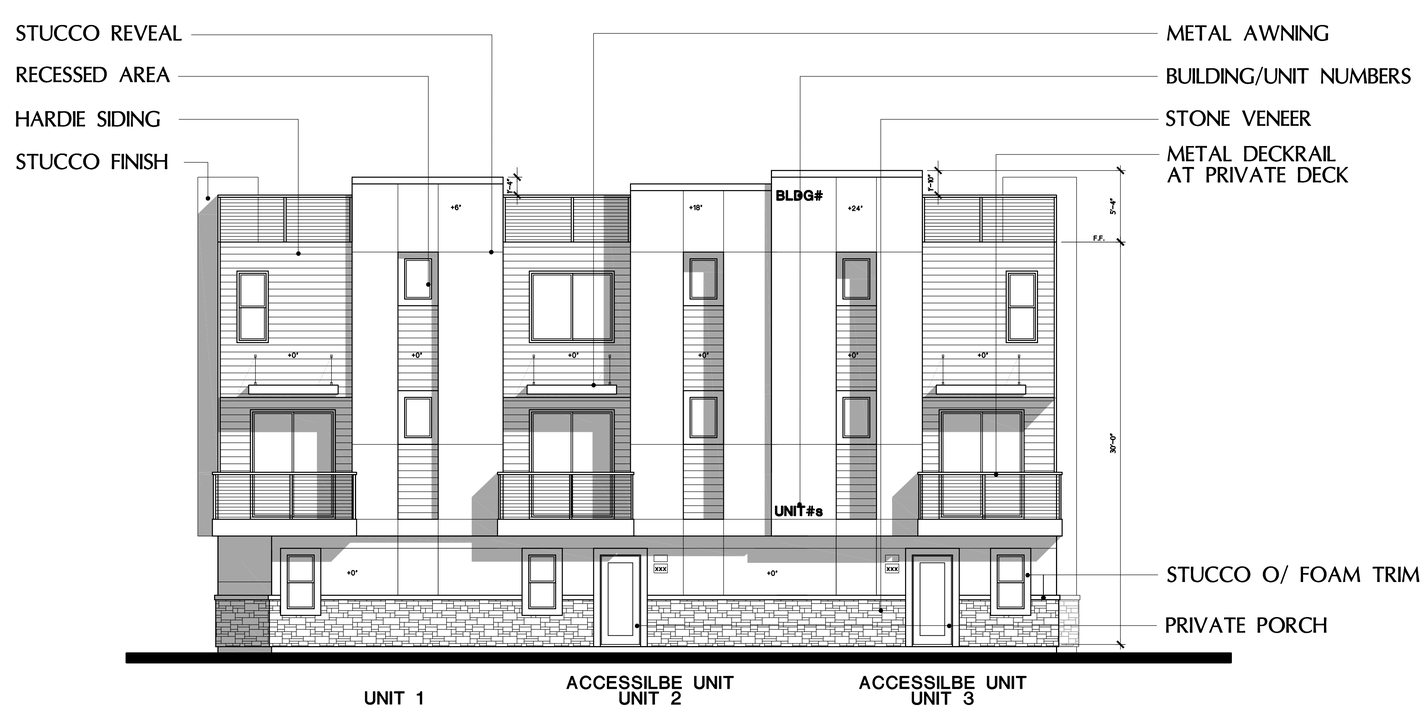
SOUTH SANTA FE TOWNHOMES
SAN MARCOS, CA

SANTA FE LOS FLORES LP
PO BOX 903
RANCHO SANTA FE, CALIFORNIA 92067

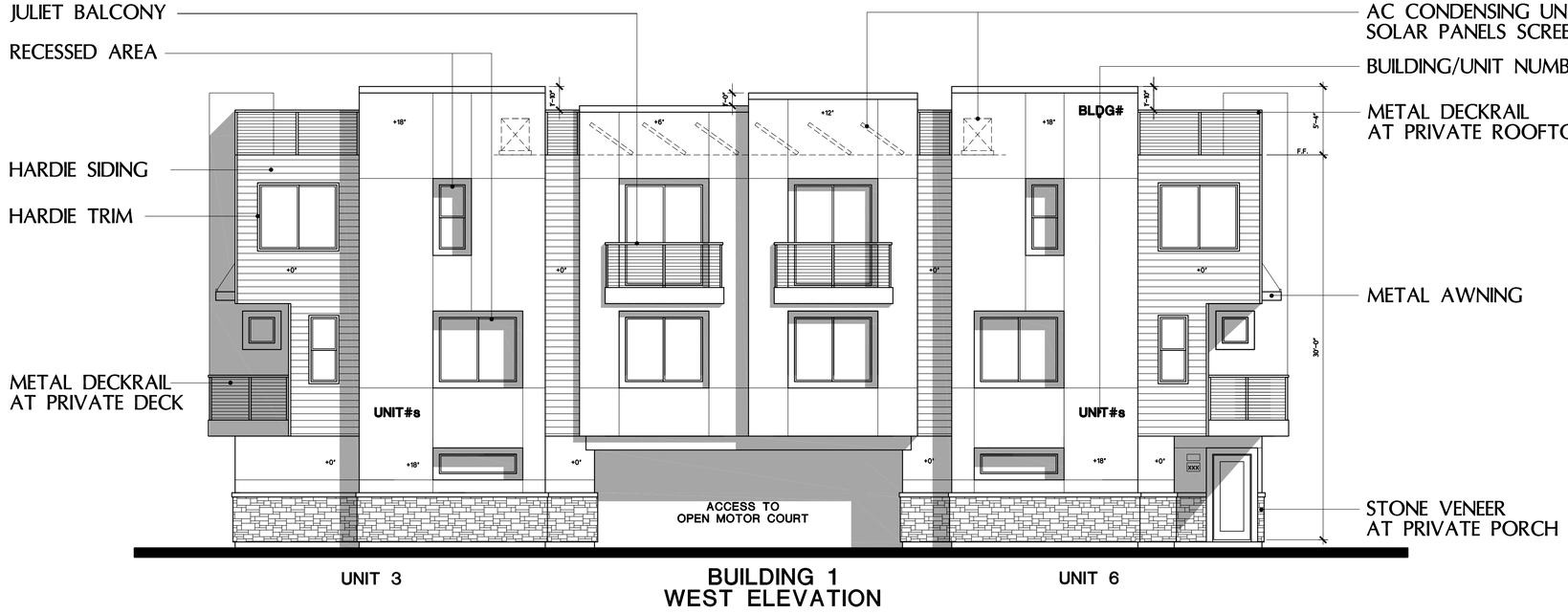
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05/16/25
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4.4



BUILDING 1
NORTH ELEVATION



BUILDING 1
WEST ELEVATION

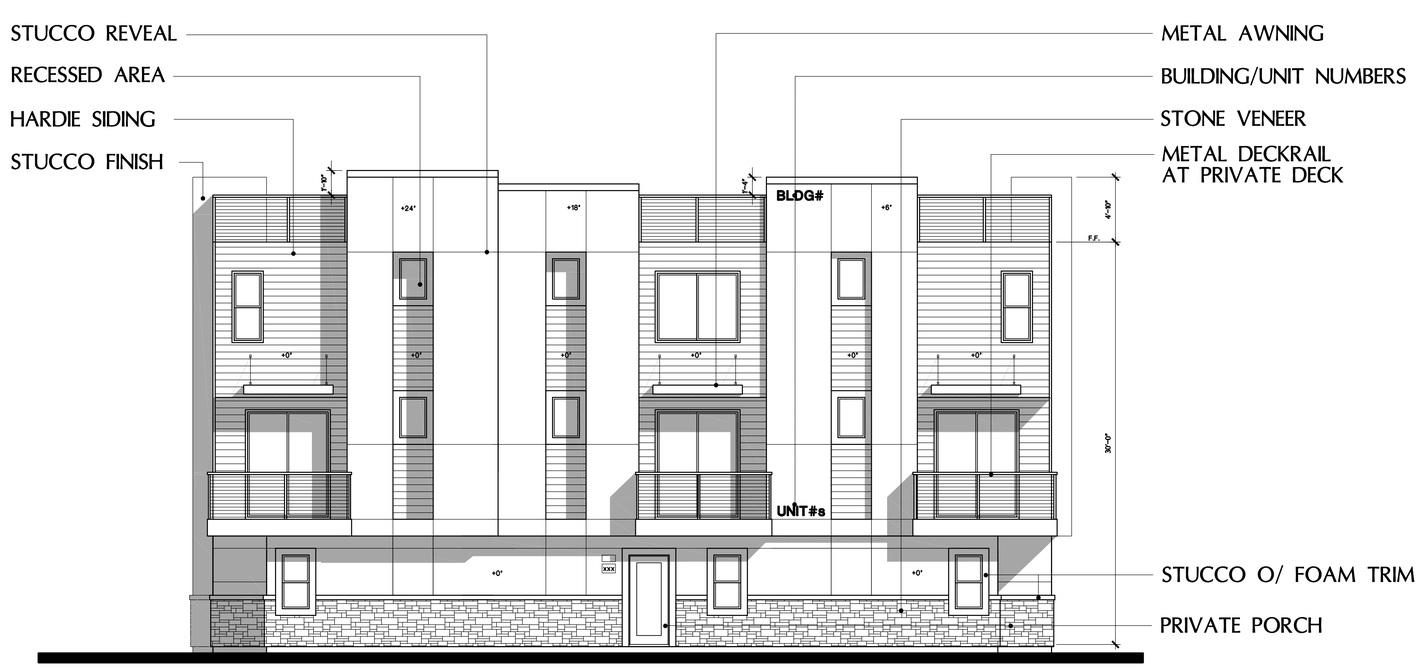
BUILDING 1
ELEVATION TYPE I
BUILDING ELEVATIONS 6-PLEX

SOUTH SANTA FE TOWNHOMES
SAN MARCOS, CA

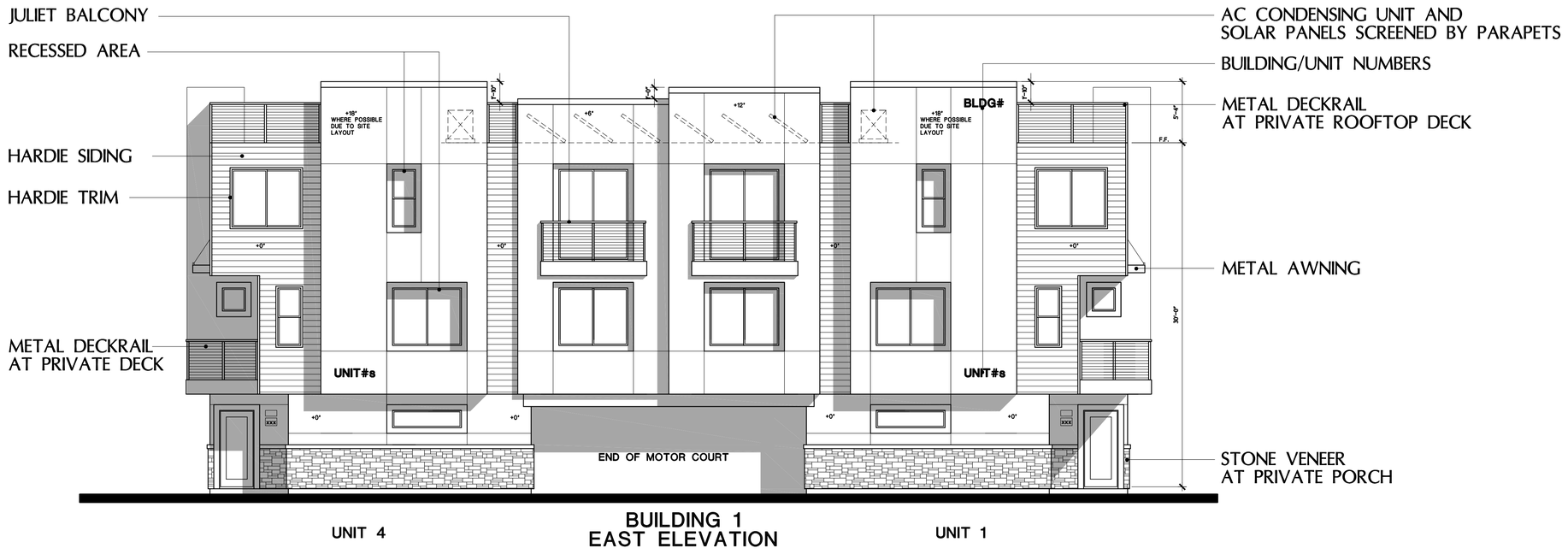
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SCALE : 3/16"=1'-0"
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BUILDING 1
SOUTH ELEVATION



BUILDING 1
EAST ELEVATION

BUILDING 1
ELEVATION TYPE I
BUILDING ELEVATIONS 6-PLEX

SOUTH SANTA FE TOWNHOMES
SAN MARCOS, CA

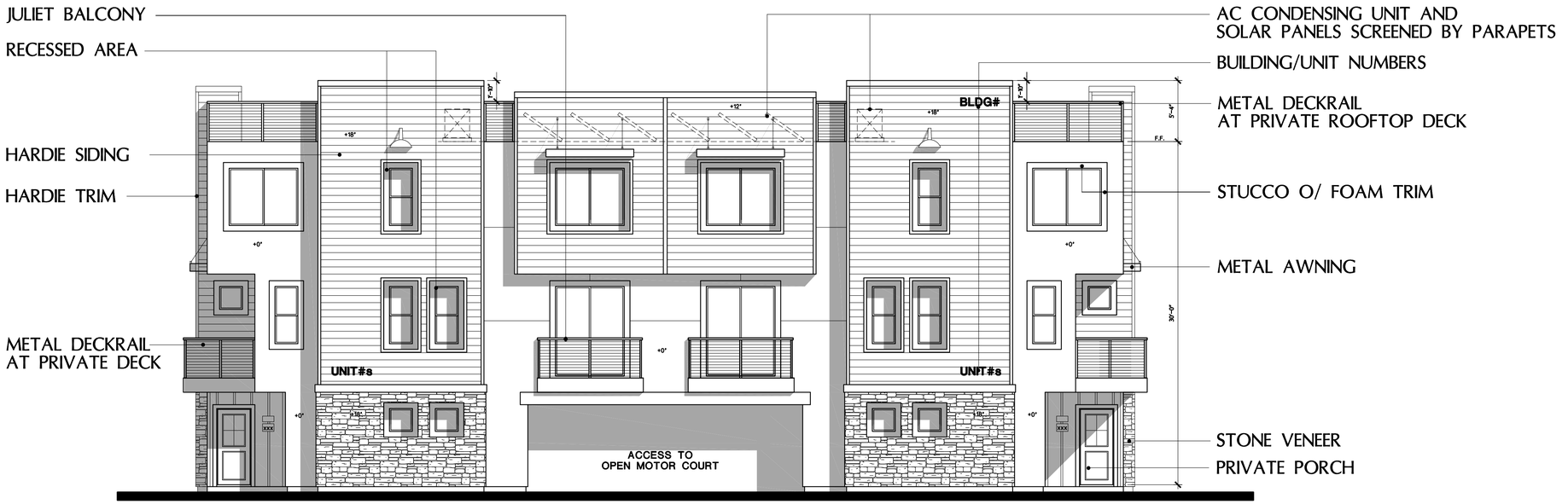
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BUILDING 6
SOUTH ELEVATION



BUILDING 6
EAST ELEVATION

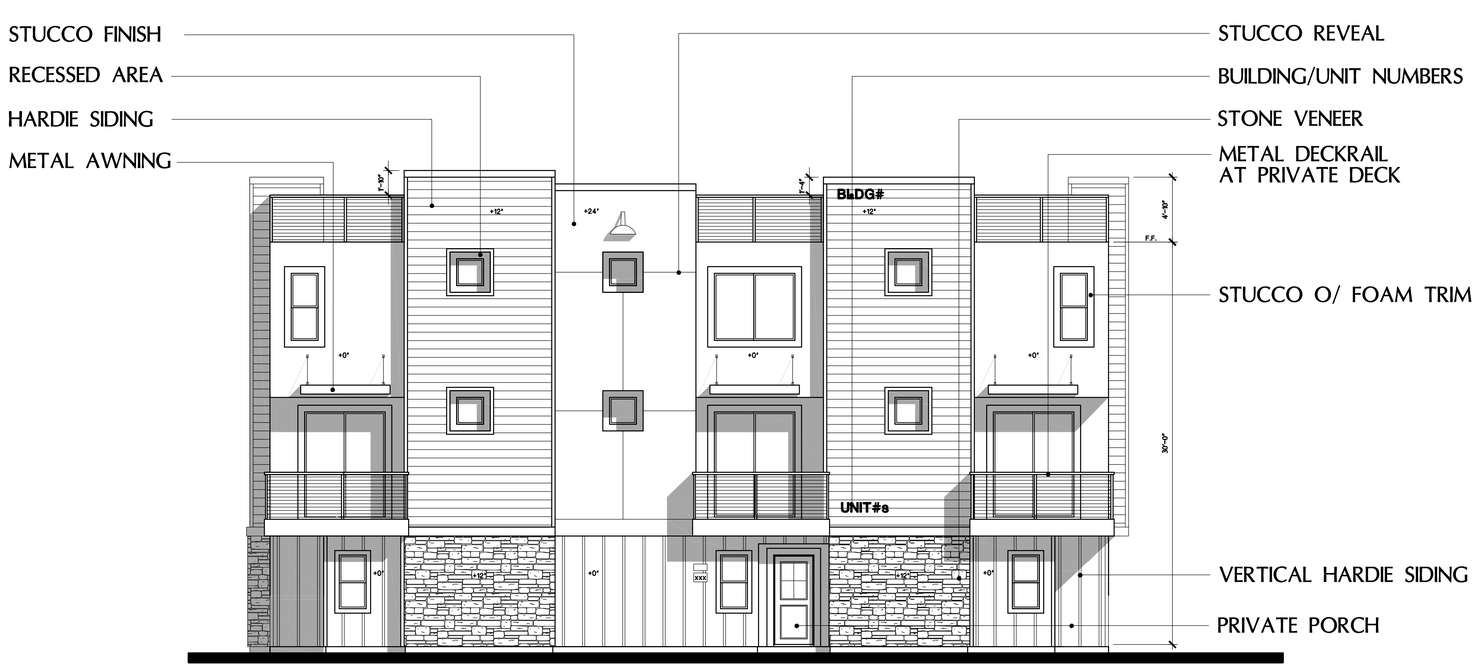
BUILDING 6
ELEVATION TYPE II
BUILDING ELEVATIONS 6-PLEX

SOUTH SANTA FE TOWNHOMES
SAN MARCOS, CA

SANTA FE LOS FLORES LP
PO BOX 903
RANCHO SANTA FE, CALIFORNIA 92067

SCALE : 3/16"=1'-0"
05/16/25
24008

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BUILDING 6
NORTH ELEVATION



BUILDING 6
WEST ELEVATION

BUILDING 6
ELEVATION TYPE II
BUILDING ELEVATIONS 6-PLEX

SOUTH SANTA FE TOWNHOMES
SAN MARCOS, CA

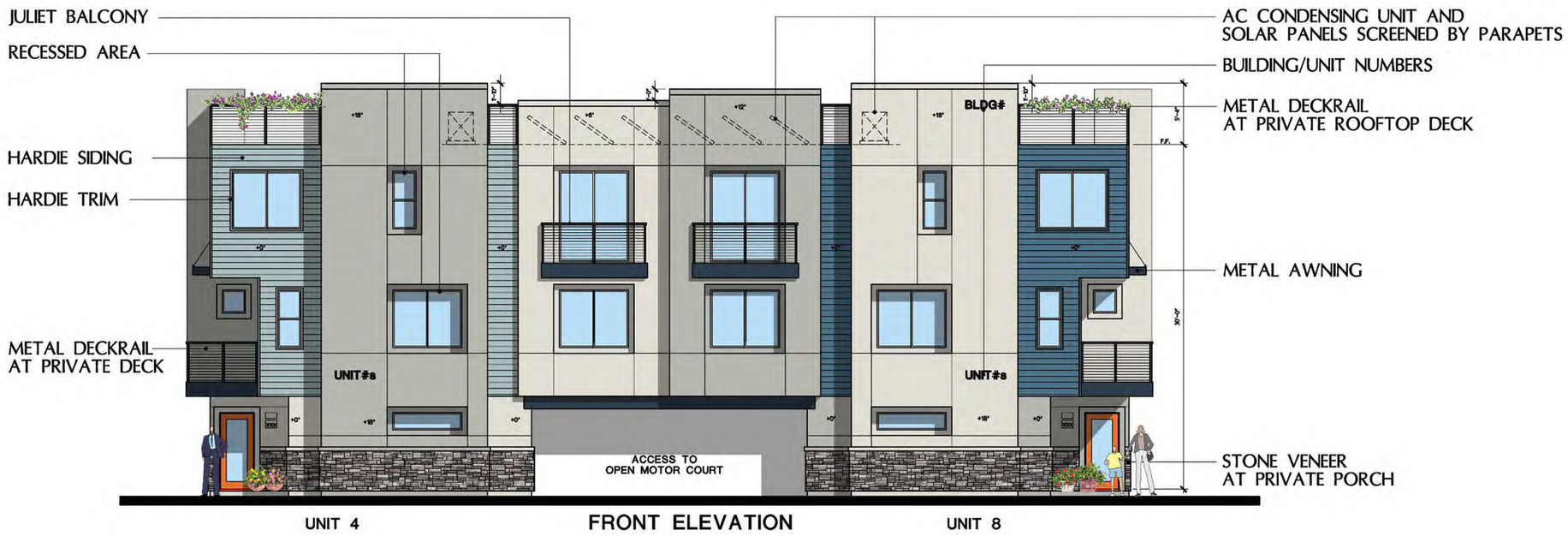
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LEFT ELEVATION



FRONT ELEVATION

SOUTH SANTA FE TOWNHOMES

SAN MARCOS, CA

SANTA FE LOS FLORES LP

PO BOX 903
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TYPICAL 8-PLEX BUILDING ELEVATIONS COLOR SCHEME 1

*COLOR SCHEMES ARE INTERCHANGEABLE WITH ALL BUILDING TYPES AND ELEVATION STYLES
*COLORS MAY BE SUBJECT TO CHANGE

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

05/16/25
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RIGHT ELEVATION



REAR ELEVATION

SOUTH SANTA FE TOWNHOMES

SAN MARCOS, CA

SANTA FE LOS FLORES LP

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TYPICAL 8-PLEX BUILDING ELEVATIONS COLOR SCHEME 2

*COLOR SCHEMES ARE INTERCHANGEABLE WITH ALL BUILDING TYPES AND ELEVATION STYLES
*COLORS MAY BE SUBJECT TO CHANGE

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

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RIGHT ELEVATION



REAR ELEVATION

SOUTH SANTA FE TOWNHOMES

SAN MARCOS, CA

SANTA FE LOS FLORES LP

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TYPICAL 6-PLEX BUILDING ELEVATIONS COLOR SCHEME 1

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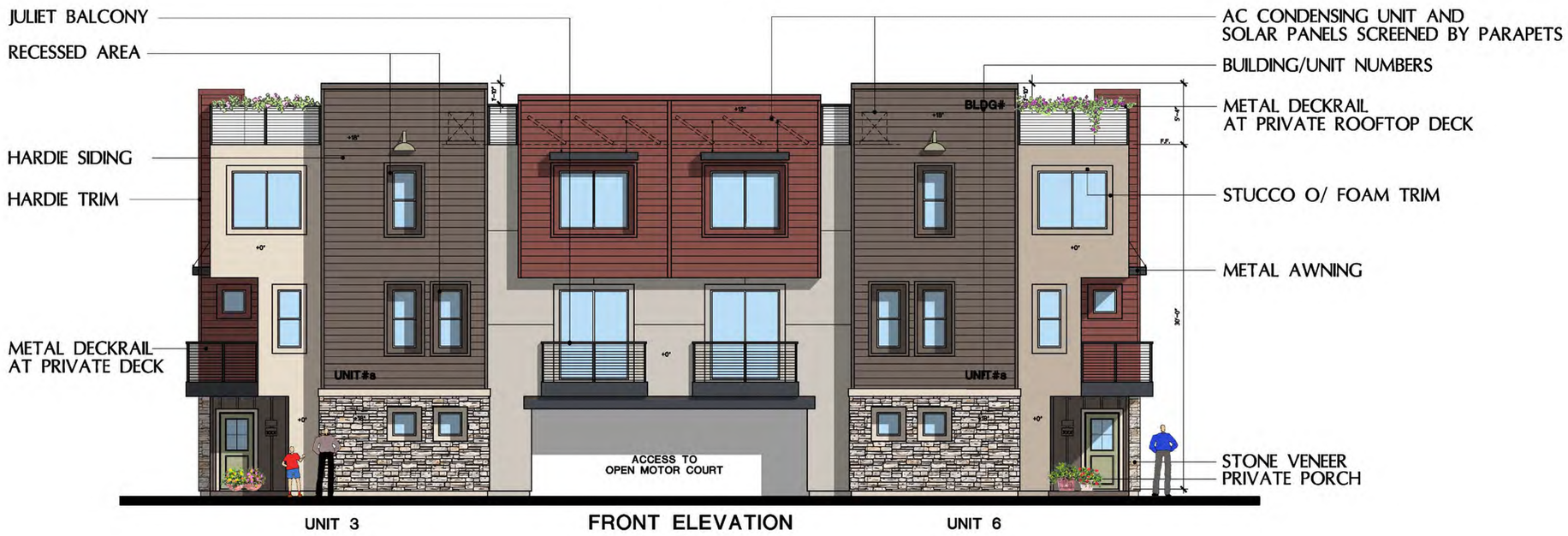
SCALE : 3/16"=1'-0"

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LEFT ELEVATION



FRONT ELEVATION

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TYPICAL 6-PLEX BUILDING ELEVATIONS COLOR SCHEME 2

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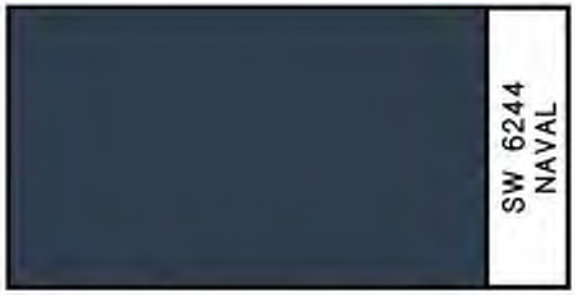
Color 1 SHERWIN WILLIAMS



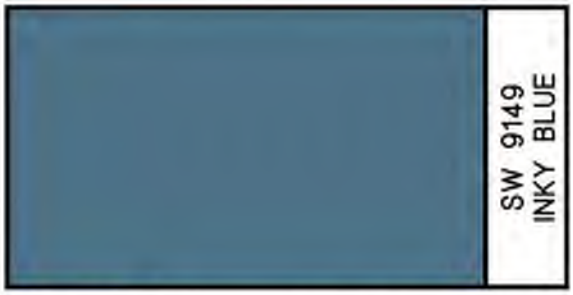
Color 4 SHERWIN WILLIAMS



Color 2 SHERWIN WILLIAMS



Color 5 SHERWIN WILLIAMS



Color 3 SHERWIN WILLIAMS



Color 6 SHERWIN WILLIAMS



Stone Veneer CORONADO STONE

Color Scheme 1

05/16/2025

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Color 1 SHERWIN WILLIAMS



Color 2 SHERWIN WILLIAMS



Color 3 SHERWIN WILLIAMS



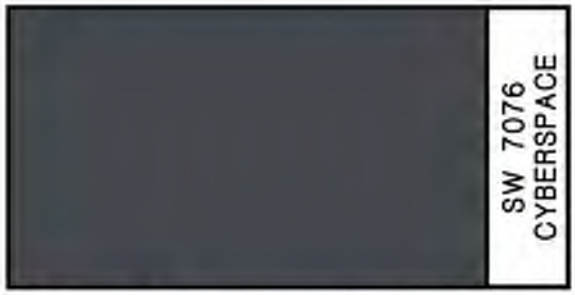
Stone Veneer CORONADO STONE



Color 4 SHERWIN WILLIAMS



Color 5 SHERWIN WILLIAMS



Color 6 SHERWIN WILLIAMS



Color 7 SHERWIN WILLIAMS

Color Scheme 2

05/16/2025

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SITE SECTION – STREET SCENE
WITHOUT NOTES AND CALLOUTS

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

09/29/25
24008

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6.0



SOUTH SANTA FE TOWNHOMES

SAN MARCOS, CA

SANTA FE LOS FLORES LP

PO BOX 903
RANCHO SANTA FE, CALIFORNIA 92067

SITE SECTION – STREET SCENE
WITH NOTES AND CALLOUTS

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

09/29/25
24008

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6.1

COMMUNICATIONS SYSTEM

X	VOICE OUTLET, WALL MOUNTED	X	DATA OUTLET, WALL MOUNTED
X	VOICE OUTLET, FLOOR MOUNTED	X	DATA OUTLET, FLOOR MOUNTED
X	VOICE OUTLET, CEILING MOUNTED	X	DATA OUTLET, CEILING MOUNTED
X	VOICE-DATA OUTLET, WALL MOUNTED	X	AUDIO/VISUAL OUTLET, WALL MOUNTED
X	VOICE-DATA OUTLET, FLOOR MOUNTED	X	AUDIO/VISUAL OUTLET, FLOOR MOUNTED
X	VOICE-DATA OUTLET, CEILING MOUNTED	X	AUDIO/VISUAL OUTLET, CEILING MOUNTED

NOTE:FOR ABOVE VOICE, DATA AND AUDIO/VISUAL DEVICES, SUBSCRIPT 'X' INDICATES:
C – ABOVE BACKSPLASH OF CABINET, OR COUNTERTOP
H – HORIZONTALLY MOUNTED
F – FURNITURE OR MILLWORK MOUNTED
W – WALL PHONE

X	SPEAKER WALL MOUNTED	X	SPEAKER CEILING MOUNTED
	CCTV CAMERA, WALL MOUNTED		CCTV CAMERA, CEILING MOUNTED
	PLYWOOD BACKBOARD		

RECEPTACLES

	DUPLEX RECEPTACLE, WALL MOUNTED		DOUBLE DUPLEX RECEPTACLE, WALL MOUNTED
	DUPLEX RECEPTACLE, ABOVE BACKSPLASH OF CABINET, COUNTERTOP OR SINK		DOUBLE DUPLEX RECEPTACLE, ABOVE BACKSPLASH OF CABINET, COUNTERTOP OR SINK
	DUPLEX RECEPTACLE, FLUSH MTD IN CEILING		DOUBLE DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING
	HALF SWITCHED DUPLEX RECEPTACLE, WALL MOUNTED		SIMPLEX RECEPTACLE, WALL MOUNTED
TYPE	SPECIAL PURPOSE RECEPTACLE, WALL MOUNTED. NEMA CONFIGURATION AS NOTED ON PLANS	TYPE	SPECIAL PURPOSE RECEPTACLE, CEILING MOUNTED NEMA CONFIGURATION AS NOTED ON PLANS

X ← RECEPTACLE TYPE
12 ← NUMBER INDICATES BRANCH CIRCUIT NUMBER

NOTE: FOR ABOVE DEVICES, SUBSCRIPT 'X' INDICATES:

CK	CLOCK HANGER	D	DEDICATED CIRCUIT
EP	EXPLOSION PROOF	EQ	EQUIPMENT MOUNTED
EWC	ELECTRIC WATER COOLER	F	FURNITURE OR MILLWORK MOUNTED
GFI	GROUND FAULT INTERRUPTER	H	HORIZONTALLY MOUNTED
IG	ISOLATED GROUND	SS	SURGE SUPPRESSION
T	TAMPER PROOF	WP	WEATHER PROOF

MA-X	MULTI-OUTLET ASSEMBLY, "X" INDICATES TYPE		FURNITURE OUTLET, WALL MOUNTED

RECEPTACLE BRANCH CIRCUIT SHADING

* SEE RECEPTACLE TYPES ABOVE FOR CONFIGURATION

	SHADING REPRESENTS RECEPTACLE ON EMERGENCY/LIFE SAFETY BRANCH		SHADING REPRESENTS RECEPTACLE ON CRITICAL BRANCH
	SHADING REPRESENTS RECEPTACLE ON STANDBY/EQUIPMENT BRANCH		SHADING REPRESENTS RECEPTACLE ON UPS BRANCH

FLOOR OUTLETS

X	FLOOR BOX, DUPLEX RECEPTACLE	X	FLOOR BOX, DOUBLE DUPLEX RECPT
X	FLOOR BOX, COMBINATION POWER/COMMUNICATIONS OUTLET	X	FLOOR BOX, COMBINATION POWER/COMMUNICATIONS/AV OUTLET
X	POKE THRU, DUPLEX RECEPTACLE	X	POKE THRU, DOUBLE DUPLEX RECPT
X	POKE THRU, COMBINATION POWER/COMMUNICATIONS OUTLET	X	POKE THRU, COMBINATION POWER/COMMUNICATIONS/AV OUTLET
FB#	SPECIAL FLOORBOX, "#" INDICATES UNIQUE FLOOR BOX TYPE		

X ← TYPE
12 ← NUMBER INDICATES BRANCH CIRCUIT NUMBER

FLOOR BOX, CONFIGURATION AS INDICATED, FLUSH MOUNTED, UNLESS OTHERWISE NOTED.

NOTE: FOR ABOVE DEVICES, SUBSCRIPT 'X' INDICATES:
P– PEDESTAL MOUNTED

F	FURNITURE OUTLET, FLUSH MOUNTED IN FLOOR	F	FURNITURE OUTLET, MOUNTED IN A FLUSH POKE-THRU.
J	JUNCTION BOX, FLUSH MTD IN FLOOR		

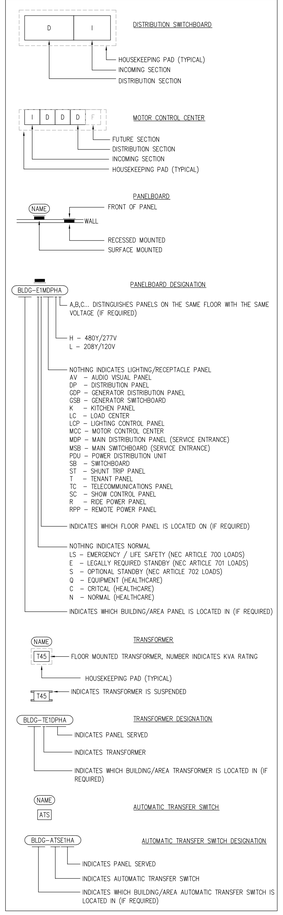
ABBREVIATIONS

A	AMPERES	IG	ISOLATED GROUND
AAC	ABOVE ACCESSIBLE CEILING	INC	INCANDESCENT
AC	ALTERNATING CURRENT	JB	JUNCTION BOX
ADA	AMERICANS WITH DISABILITIES ACT	KCMIL	THOUSAND CIRCULAR MILS
AF	AMPERE FRAME	KVA	KILOVOLT-AMPERES
AFCI	ARC FAULT CIRCUIT INTERRUPTOR	KVAR	KILOVOLT-AMPERES, REACTIVE
AFF	ABOVE FINISHED FLOOR	KW	KILOWATTS
AFG	ABOVE FINISHED GRADE	LCP	LIGHTING CONTROL PANEL
AFU	AMPERE FUSE	LPS	LOW PRESSURE SODIUM
AIC	AMPERES INTERRUPTING CAPACITY, SYMMETRICAL	LTG	LIGHTING
		MAX	MAXIMUM
AL	ALUMINUM	MCB	MAIN CIRCUIT BREAKER
ARCH	ARCHITECT	MCC	MOTOR CONTROL CENTER
AS	AMP SWITCH	MECH	MECHANICAL
AT	AMP TRIP	MFR	MANUFACTURER
ATS	AUTOMATIC TRANSFER SWITCH	MH	MANHOLE/METAL HALIDE
AWG	AMERICAN WIRE GAUGE	MIN	MINIMUM
BFG	BELOW FINISHED GRADE	MLO	MAIN LUGS ONLY
BKBD	BACKBOARD	MTD	MOUNTED
C	CONDUIT	MTG	MOUNTING
CAT	CATALOG	MVA	MEGAVOLT-AMPERES
CB	CIRCUIT BREAKER	N	NEUTRAL
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	NA	NOT APPLICABLE
		NC	NORMALLY CLOSED
CKT	CIRCUIT	NEC	NATIONAL ELECTRICAL CODE
CLG	CEILING	NF	NON FUSED
CO	CONDUIT ONLY	NO	NORMALLY OPEN
CONC	CONCRETE	NTS	NOT TO SCALE
CONT	CONTINUATION	OC	ON CENTER
CU	COPPER	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
CT	CURRENT TRANSFORMER	OFOI	OWNER FURNISHED OWNER INSTALLED
Δ	DELTA	Φ, PH	PHASE
DIV	DIVISION	PC	PHOTOCELL
DIA	DIAMETER	PIR	PASSIVE INFRARED
DMM	DIGITAL MULTIMETER	POC	POINT OF CONNECTION
DWG	DRAWING	POS	POINT OF SALE
EA	EACH	PLBG	PLUMBING
EC	EMPTY CONDUIT	PT	POTENTIAL TRANSFORMER
ELEC	ELECTRICAL	PVC	POLYVINYL CHLORIDE
EM	EMERGENCY	PWR	POWER
EMT	ELECTRICAL METALLIC TUBING	QTY	QUANTITY
EP	EXPLOSION PROOF	REC	RECESSED
EPO	EMERGENCY POWER OFF	RECPT	RECEPTACLE
EQUIP	EQUIPMENT	REF	REFRIGERATOR
EWC	ELECTRIC WATER COOLER	RGS	RIGID GALVANIZED STEEL
EXIST	EXISTING	SPST	SINGLE POLE, SINGLE THROW
EXT	EXTERIOR	SPDT	SINGLE POLE, DOUBLE THROW
FA	FIRE ALARM	ST	SHUNT TRIP
FAA	FIRE ALARM ANNUNCIATOR PANEL	SURF	SURFACE
FIXT	FIXTURE	SWBD	SWITCHBOARD
FLUOR	FLUORESCENT	SWGR	SWITCHGEAR
FT	FEET OR FOOT	TBD	TO BE DETERMINED
FU	FUSE	TELECOM	TELECOMMUNICATIONS
G	GROUND	TYP	TYPICAL
GEN	GENERATOR	UG	UNDERGROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	UNO	UNLESS OTHERWISE NOTED
GFI	GROUND FAULT INTERRUPTER	V	VOLTS
GFP	GROUND FAULT PROTECTION	VFD	VARIABLE FREQUENCY DRIVE
HPRS	HORSEPOWER RATED SWITCH	W	WATTS
HOA	HAND OFF AUTOMATIC	WP	WEATHER PROOF
HP	HORSEPOWER	XFMR	TRANSFORMER
HPS	HIGH PRESSURE SODIUM	Y	WYE
HZ	HERTZ		

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH CALIFORNIA ELECTRICAL CODE, STATE OF CALIFORNIA ENERGY CONSERVATION STANDARDS AND ALL OTHER APPLICABLE CODES.
2. CONTRACTOR SHALL COORDINATE ALL EQUIPMENT LOCATIONS WITH ARCHITECTURAL, MECHANICAL, STRUCTURAL, PLUMBING AND ALL APPROPRIATE DISCIPLINES.
3. DO NOT SCALE DRAWINGS – ALL DIMENSIONS AND JOB SITE CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE JOB SITE PRIOR TO BID SUBMITTAL, START OF CONSTRUCTION AND / OR FABRICATION OF MATERIALS. IF DISCREPANCIES ARE ENCOUNTERED, CATERPILLAR REPRESENTATIVE SHALL BE NOTIFIED FOR CLARIFICATION.
4. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT TRANSPORTATION AND SERVICES NECESSARY FOR COMPLETION OF THE WORK. ALL MATERIALS AND WORK SHALL BE IN COMPLIANCE WITH ALL APPLICABLE CODES AND GOVERNING REGULATIONS AND SHALL MEET WITH THE APPROVAL OF THE CITY AND STATE FIRE MARSHAL.
5. PROVIDE WEATHERPROOF JUNCTION BOXES, CONDUIT, FITTINGS AND ENCLOSURES AT ALL EXTERIOR LOCATIONS AND ALL WET OR DAMP INTERIOR LOCATIONS.
6. THE CONTRACTOR SHALL REVIEW EQUIPMENT MANUFACTURER'S REQUIREMENTS AND PROVIDE FUSE SIZES, CIRCUIT BREAKERS, RELAYS AS INDICATED. CONNECTIONS OR OTHER RELATED WORK TO COMPLETE THE ELECTRICAL SYSTEM.
7. ALL DEVICES AND EQUIPMENT SHALL BE INSTALLED IN COMPLIANCE WITH AMERICANS WITH DISABILITIES ACT REQUIREMENTS.
8. CONTRACTOR SHALL CONCEAL ALL CONDUIT FITTINGS AND DEVICES FROM PUBLIC VIEW WHERE REASONABLY POSSIBLE.
9. MINIMUM 3 WEEKS PRIOR TO STARTING ANY EXCAVATION WORK CONTRACTOR SHALL DO A FIELD SURVEY OF EXISTING UG UTILITIES, HIRE THE SERVICES OF AN INDEPENDENT ELECTRONIC LOCATOR SERVICE TO LOCATE EXISTING UG UTILITIES, SUBMIT THE SURVEY TO UCSD REPRESENTATIVE FOR REVIEW.
10. THERE SHALL BE NO PENETRATIONS THROUGH OR INTO ANY EXIT ENCLOSURE PER CBC SECTION 1005.3.3.5. THERE SHALL BE NO DEVICES, EQUIPMENT OR OBJECTS MOUNTED TO ANY PARTITION THAT IS PART OF THE TWO HOUR RATED EXIT ENCLOSURE.

DISTRIBUTION EQUIPMENT



SHEET INDEX

E001	ELECTRICAL LEAD SHEET
E002	ELECTRICAL LIGHTING CUT SHEETS AND CONTROL DETAILS
E101	ELECTRICAL SITE PLAN
E102	ELECTRICAL SITE PLAN LIGHTING CALCS
TE01	ELECTRICAL TITLE 24 FORMS
TE02	ELECTRICAL TITLE 24 FORMS

WORK SCOPE

PROVIDE SITE LIGHTING

SINGLE LINE SYMBOLS

###	CKT BREAKER, '###' INDICATES TRIP SETTING, '#' INDICATES NUMBER OF POLES
###	FUSED SWITCH, '###' INDICATES TRIP SETTING, '#' INDICATES NUMBER OF POLES
	ENCLOSED CIRCUIT BREAKER
	ENCLOSED NON-FUSED SWITCH
	ENCLOSED FUSED SWITCH
SS	SOLID STATE, ELECTRONIC ADJUSTABLE TRIP
ST	SHUNT TRIP
SPD	SURGE PROTECTIVE DEVICE
M	UTILITY METER
	TRANSFORMER
PANEL NAME	PANELBOARD
	PAD MOUNTED TRANSFORMER
	GROUND

POWER CONNECTIONS

	DISCONNECT SWITCH, REFER TO EQUIPMENT CONNECTION SCHEDULE FOR DISCONNECT TYPE, UON
	COMBINATION MOTOR STARTER DISCONNECT
	MOTOR STARTER
	VARIABLE FREQUENCY DRIVE
J	JUNCTION BOX, WALL MOUNTED
J	JUNCTION BOX, CEILING MOUNTED
X	MOTOR, SUBSCRIPT 'X' DENOTES MOTOR DESIGNATION, REFER TO EQUIPMENT CONNECTION SCHEDULE
	GROUND BUS BAR

TAGS AND CALL OUT SYMBOLS

1 / E3.1	SECTION CALLOUT SECTION DESIGNATION SHEET NUMBER		POINT OF CONNECTION
A / E3.1	DETAIL CALLOUT DETAIL DESIGNATION SHEET NUMBER		POINT OF DEMARCATION
# / 1	REVISION CALLOUT KEYNOTE CALLOUT		

DEMOLITION

< R >	EXISTING TO BE REMOVED		DEMOLITION CONDUIT
< RL >	EXISTING TO BE RELOCATED		DEMOLITION EQUIPMENT
< X >	EXISTING TO REMAIN		
< NL >	EXISTING – NEW LOCATION		

CIRCUITING

BLDG-E1MDPHA-1
CIRCUIT NUMBER
PANEL DESIGNATION
3#12,#12G,3/4"C
CONDUIT SIZE
GROUND CONDUCTOR QUANTITY AND SIZE
CIRCUIT CONDUCTOR QUANTITY AND SIZE

GOVERNING CODES

ALL ELECTRICAL INSTALLATIONS SHALL COMPLY WITH THE FOLLOWING CODES:

2022 CALIFORNIA BUILDING STANDARD CODE
2022 CALIFORNIA ELECTRICAL CODE
2022 CALIFORNIA BUILDING CODE
2020 NATIONAL ELECTRICAL CODE
2022 CALIFORNIA FIRE CODE
2022 CALIFORNIA ADMINISTRATIVE CODE (CAC)

Santa Fe Homes
address

EngCore Consulting
1855 1st Ave., Suite 100
San Diego, CA 92101

REGISTERED PROFESSIONAL ENGINEER
FABIAN MAYOLO RAMIREZ
E-27079
EXPIRES 06-30-25
STATE OF CALIFORNIA

SANTA FE HOMES

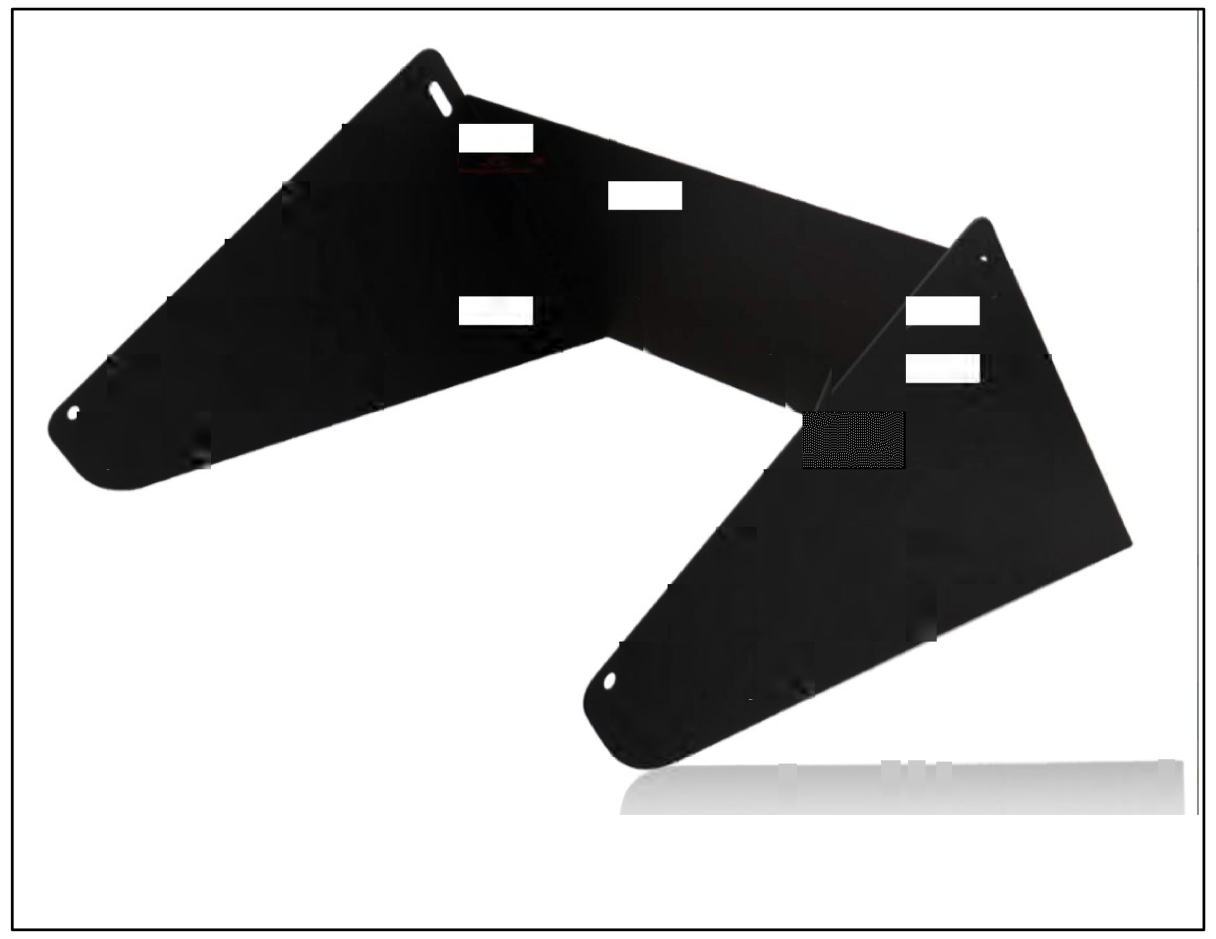
Project Title

Submittal: Date:	Description:

Job Number: 2025051	Designer: FB
Date:	Drafter:

ELECTRICAL LEAD SHEET

E001



LIGHT FIXTURE SHIELDING TYP

SCALE	4
NONE	



Project		Catalog #		Type	F1
Prepared by		Notes		Date	2025 08 20

McGraw-Edison
GWC Galleon Wall
Wall Mount Luminaire

Product Features

Interactive Menu
- Ordering Information page 2
- Product Specifications page 2
- Optical Configurations page 3
- Energy and Performance Data page 4
- Control Options page 6

Product Certifications

Quick Facts
- Choice of thirteen high-efficiency, patented AccuLED Optics
- Downward and inverted wall mounting configurations
- Eight lumen packages from 3,215 up to 17,056
- Efficacies up to 154 lumens per watt

Connected Systems
- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional Details
Net Weight: 17.0 lbs (7.7 kgs)

15-11/16" [400mm]; 6-1/2" [164mm]; 12-1/8" [308mm]

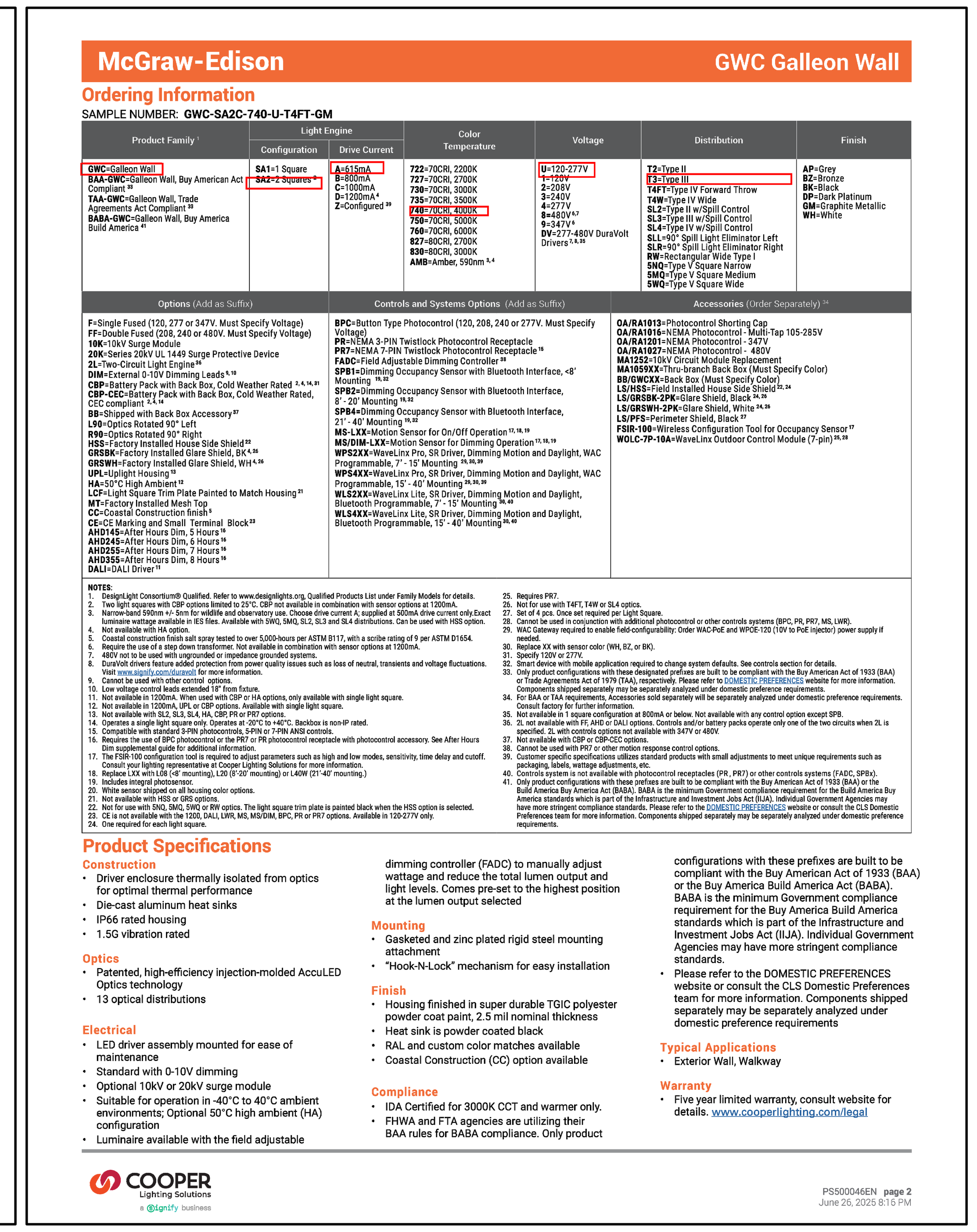
GWC with CBP option installed (Thru-Branch Back Box accessory MA1059XX)
15-15/16" [388mm]; 6-13/64" [159mm]; 2-1/2" [63mm]; 1-11/16" [43mm]

GWC with accessory BB/GWCXX Back Box installed
14-17/64" [362mm]; 6-1/2" [164mm]; 3-15/32" [88mm]; 2-5/32" [55mm]; 3/4" [19mm]

NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

COOPER Lighting Solutions, a signify business

PS500046EN page 1
June 26, 2025 8:16 PM



McGraw-Edison GWC Galleon Wall

Ordering Information
SAMPLE NUMBER: GWC-SA2C-740-U-T4FT-GM

Product Family: GWC=Galleon Wall; BAA-GWC=Galleon Wall, Buy American Act Compliant; TAA-GWC=Galleon Wall, Trade Agreements Act Compliant; BABA-GWC=Galleon Wall, Buy America Build America
Light Engine – Configuration: SA1=1 Square; SA2=2 Squares
Light Engine – Drive Current: A=615mA; B=800mA; C=1000mA; D=1200mA; Z=Configured
Color Temperature: 722=70CRI, 2200K; 727=70CRI, 2700K; 730=70CRI, 3000K; 735=70CRI, 3500K; 740=70CRI, 4000K; 750=70CRI, 5000K; 760=70CRI, 6000K; 827=80CRI, 2700K; 830=80CRI, 3000K; AMB=Amber, 590nm
Voltage: U=120-277V; 1=120V; 2=208V; 3=240V; 4=277V; 8=480V; 9=347V; DV=277-480V DuraVolt Drivers
Distribution: T2=Type II; T3=Type III; T4FT=Type IV Forward Throw; T4W=Type IV Wide; SL2=Type II w/Spill Control; SL3=Type III w/Spill Control; SL4=Type IV w/Spill Control; SLL=90° Spill Light Eliminator Left; SLR=90° Spill Light Eliminator Right; RW=Rectangular Wide Type I; 5NQ=Type V Square Narrow; 5MQ=Type V Square Medium; 5WQ=Type V Square Wide
Finish: AP=Grey; BZ=Bronze; BK=Black; DP=Dark Platinum; GM=Graphite Metallic; WH=White

Options (Add as Suffix): F=Single Fused (120, 277 or 347V. Must Specify Voltage); FF=Double Fused (208, 240 or 480V. Must Specify Voltage); 10K=10kV Surge Module; 20K=Series 20kV UL 1449 Surge Protective Device; 2L=Two-Circuit Light Engine; DIM=External 0-10V Dimming Leads; CBP=Battery Pack with Back Box, Cold Weather Rated; CBP-CEC=Battery Pack with Back Box, Cold Weather Rated, CEC compliant; BB=Shipped with Back Box Accessory; L90=Optics Rotated 90° Left; R90=Optics Rotated 90° Right; HSS=Factory Installed House Side Shield; GRSBK=Factory Installed Glare Shield, BK; GRSWH=Factory Installed Glare Shield, WH; UPL=Uplight Housing; HA=50°C High Ambient; LCF=Light Square Trim Plate Painted to Match Housing; MT=Factory Installed Mesh Top; CC=Coastal Construction finish; CE=CE Marking and Small Terminal Block; AHD145=After Hours Dim, 5 Hours; AHD245=After Hours Dim, 6 Hours; AHD255=After Hours Dim, 7 Hours; AHD355=After Hours Dim, 8 Hours; DALI=DALI Driver

Controls and Systems Options (Add as Suffix): BPC=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage); PR=NEMA 3-PIN Twistlock Photocontrol Receptacle; PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle; FADC=Field Adjustable Dimming Controller; SPB1=Dimming Occupancy Sensor with Bluetooth Interface, <8' Mounting; SPB2=Dimming Occupancy Sensor with Bluetooth Interface, 8' - 20' Mounting; SPB4=Dimming Occupancy Sensor with Bluetooth Interface, 21' - 40' Mounting; MS-LXX=Motion Sensor for On/Off Operation; MS/DIM-LXX=Motion Sensor for Dimming Operation; WPS2XX=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting; WPS4XX=WaveLinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting; WLS2XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting; WLS4XX=WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting

Accessories (Order Separately): OA/RA1013=Photocontrol Shorting Cap; OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V; OA/RA1201=NEMA Photocontrol - 347V; OA/RA1027=NEMA Photocontrol - 480V; MA1252=10kV Circuit Module Replacement; MA1059XX=Thru-branch Back Box (Must Specify Color); BB/GWCXX=Back Box (Must Specify Color); LS/HSS=Field Installed House Side Shield; LS/GRSBK-2PK=Glare Shield, Black; LS/GRSWH-2PK=Glare Shield, White; LS/PFS=Perimeter Shield, Black; FSIR-100=Wireless Configuration Tool for Occupancy Sensor; WOLC-7P-10A=WaveLinx Outdoor Control Module (7-pin)

NOTES: [fine print notes 1–41]

Product Specifications

Construction
- Driver enclosure thermally isolated from optics for optimal thermal performance
- Die-cast aluminum heat sinks
- IP66 rated housing
- 1.5G vibration rated

Optics
- Patented, high-efficiency injection-molded AccuLED Optics technology
- 13 optical distributions

Electrical
- LED driver assembly mounted for ease of maintenance
- Standard with 0-10V dimming
- Optional 10kV or 20kV surge module
- Suitable for operation in -40°C to 40°C ambient environments; Optional 50°C high ambient (HA) configuration
- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels. Comes pre-set to the highest position at the lumen output selected

Mounting
- Gasketed and zinc plated rigid steel mounting attachment
- "Hook-N-Lock" mechanism for easy installation

Finish
- Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Heat sink is powder coated black
- RAL and custom color matches available
- Coastal Construction (CC) option available

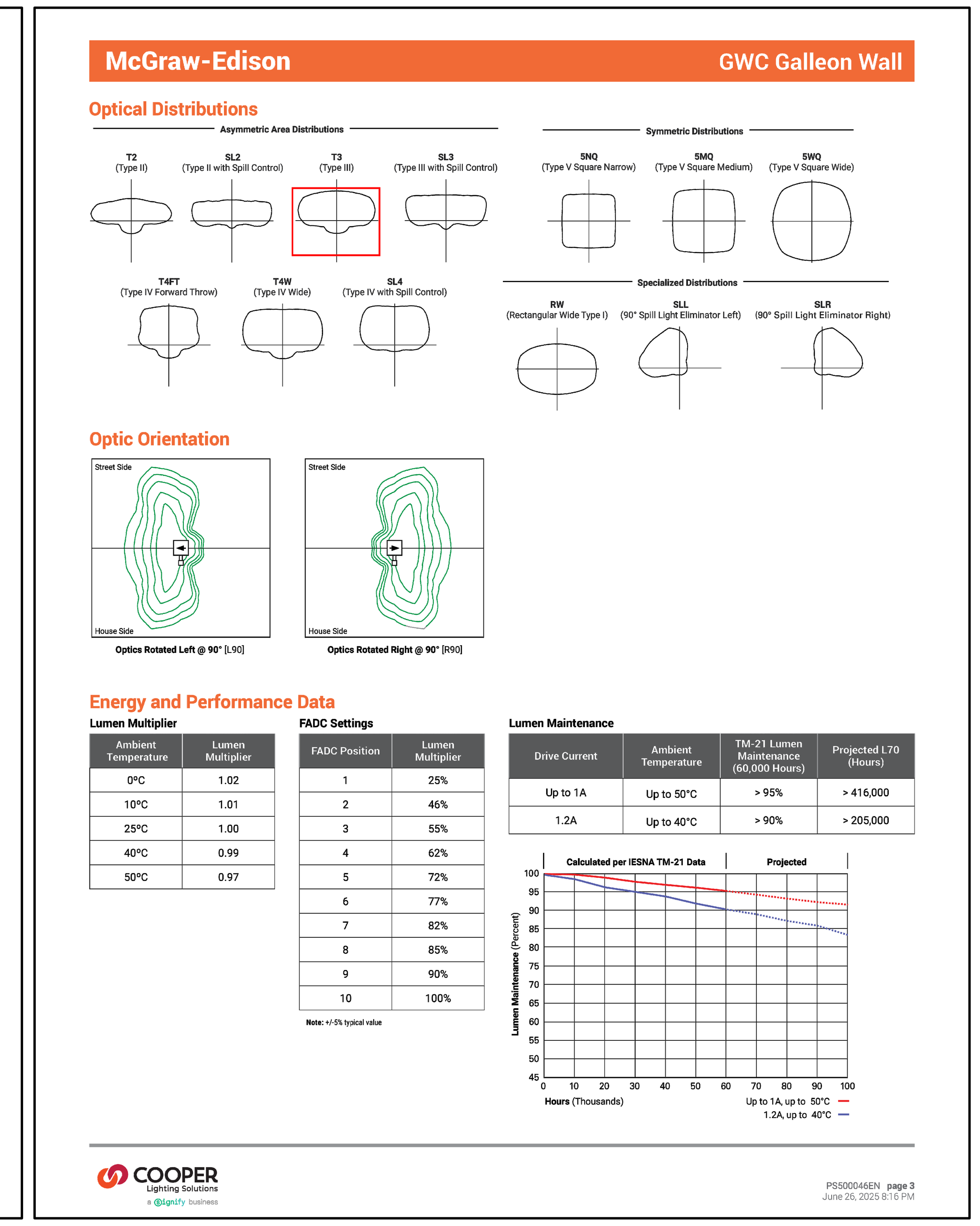
Compliance
- IDA Certified for 3000K CCT and warmer only.
- FHWA and FTA agencies are utilizing their BAA rules for BABA compliance. Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Buy America Build America Act (BABA). BABA is the minimum Government compliance requirement for the Buy America Build America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards.
- Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements

Typical Applications
- Exterior Wall, Walkway

Warranty
- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

COOPER Lighting Solutions

PS500046EN page 2
June 26, 2025 8:16 PM



McGraw-Edison GWC Galleon Wall

Optical Distributions

Optic Orientation

Energy and Performance Data

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

FADC Settings

FADC Position	Lumen Multiplier
1	25%
2	46%
3	55%
4	62%
5	72%
6	77%
7	82%
8	85%
9	90%
10	100%

Note: +/-5% typical value

Lumen Maintenance

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	> 416,000
1.2A	Up to 40°C	> 90%	> 205,000

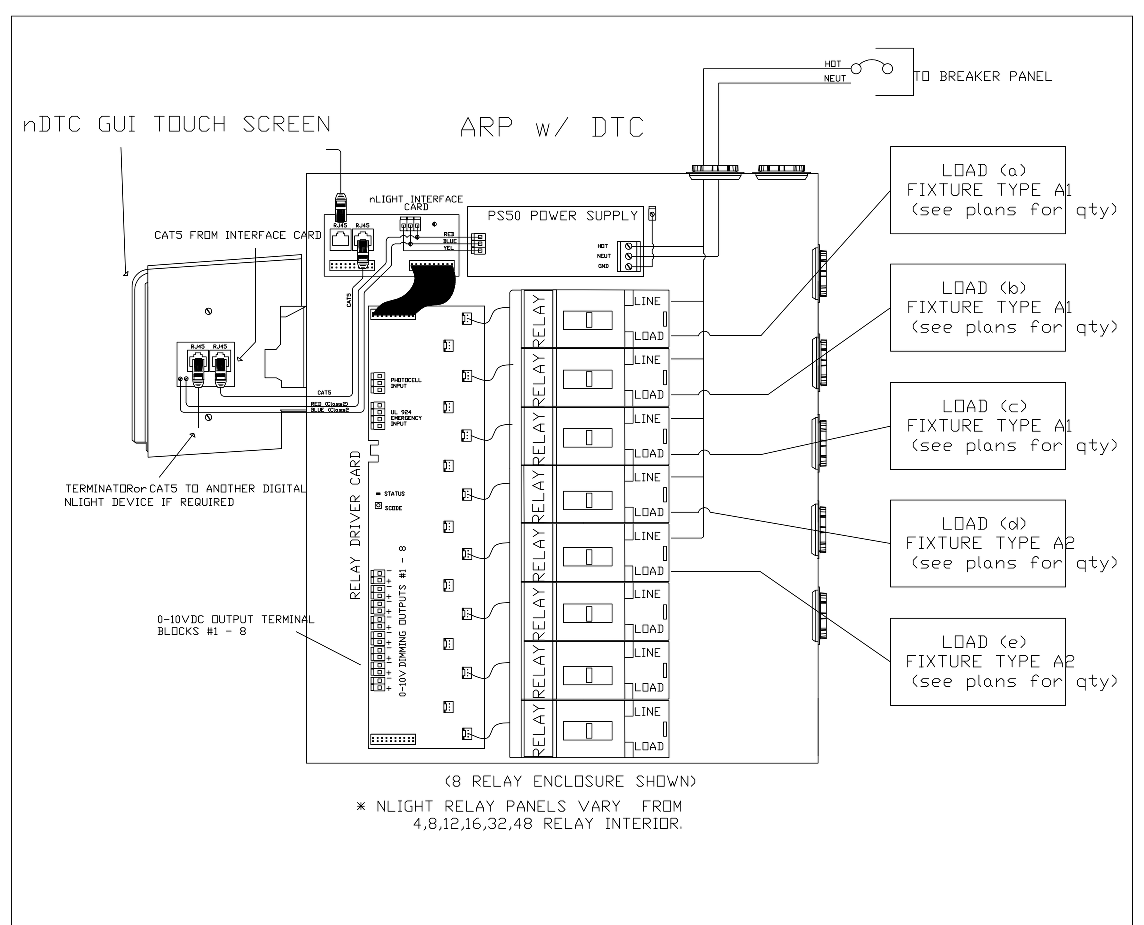
COOPER Lighting Solutions

PS500046EN page 3
June 26, 2025 8:16 PM

FIXTURE F1 AREA LUMINARIES OR APPROVED EQUAL

SCALE	1
NONE	

CONTACT ANDREW DURHAM, SAN DIEGO LIGHTING ASSOCIATES, FOR ALL LIGHTING CONTROLS QUESTIONS AND COMPLETE nLIGHT BOM: ADURHAM@SDLTG.COM



ARP INTENC08 NLT 8FCR/8SPR DTC

LIGHTING CONTROL PANEL (RELAYS AND ASTRONOMICAL TIMER)

SCALE	3
NONE	



Project		Catalog #		Type	F1
Prepared by		Notes		Date	2025 08 20

McGraw-Edison
GWC Galleon Wall
Wall Mount Luminaire

Product Features

Interactive Menu
- Ordering Information page 2
- Product Specifications page 2
- Optical Configurations page 3
- Energy and Performance Data page 4
- Control Options page 6

Product Certifications

Quick Facts
- Choice of thirteen high-efficiency, patented AccuLED Optics
- Downward and inverted wall mounting configurations
- Eight lumen packages from 3,215 up to 17,056
- Efficacies up to 154 lumens per watt

Connected Systems
- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

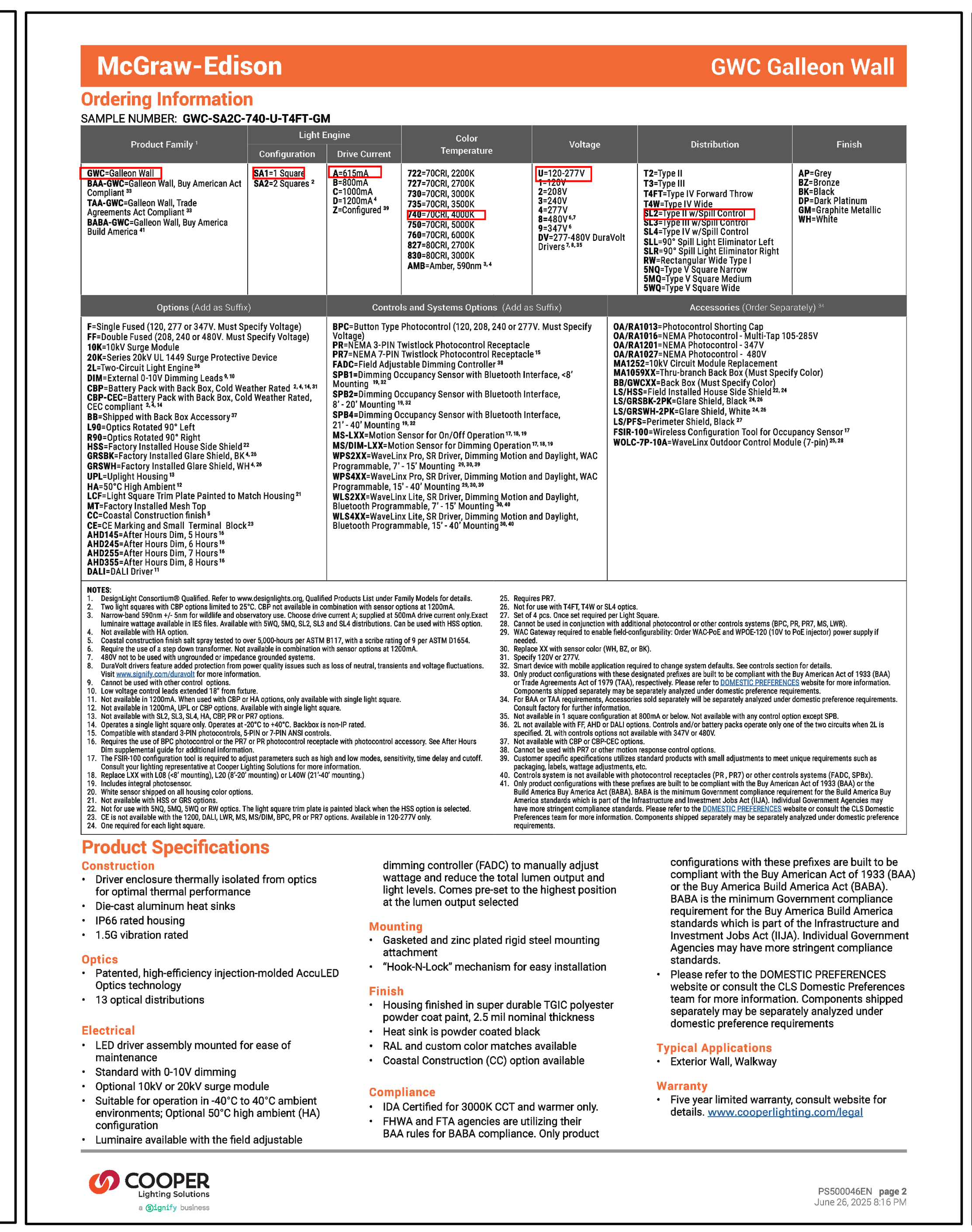
Dimensional Details
Net Weight: 17.0 lbs (7.7 kgs)

GWC with CBP option installed (Thru-Branch Back Box accessory MA1059XX)

GWC with accessory BB/GWCXX Back Box installed

COOPER Lighting Solutions

PS500046EN page 1
June 26, 2025 8:16 PM



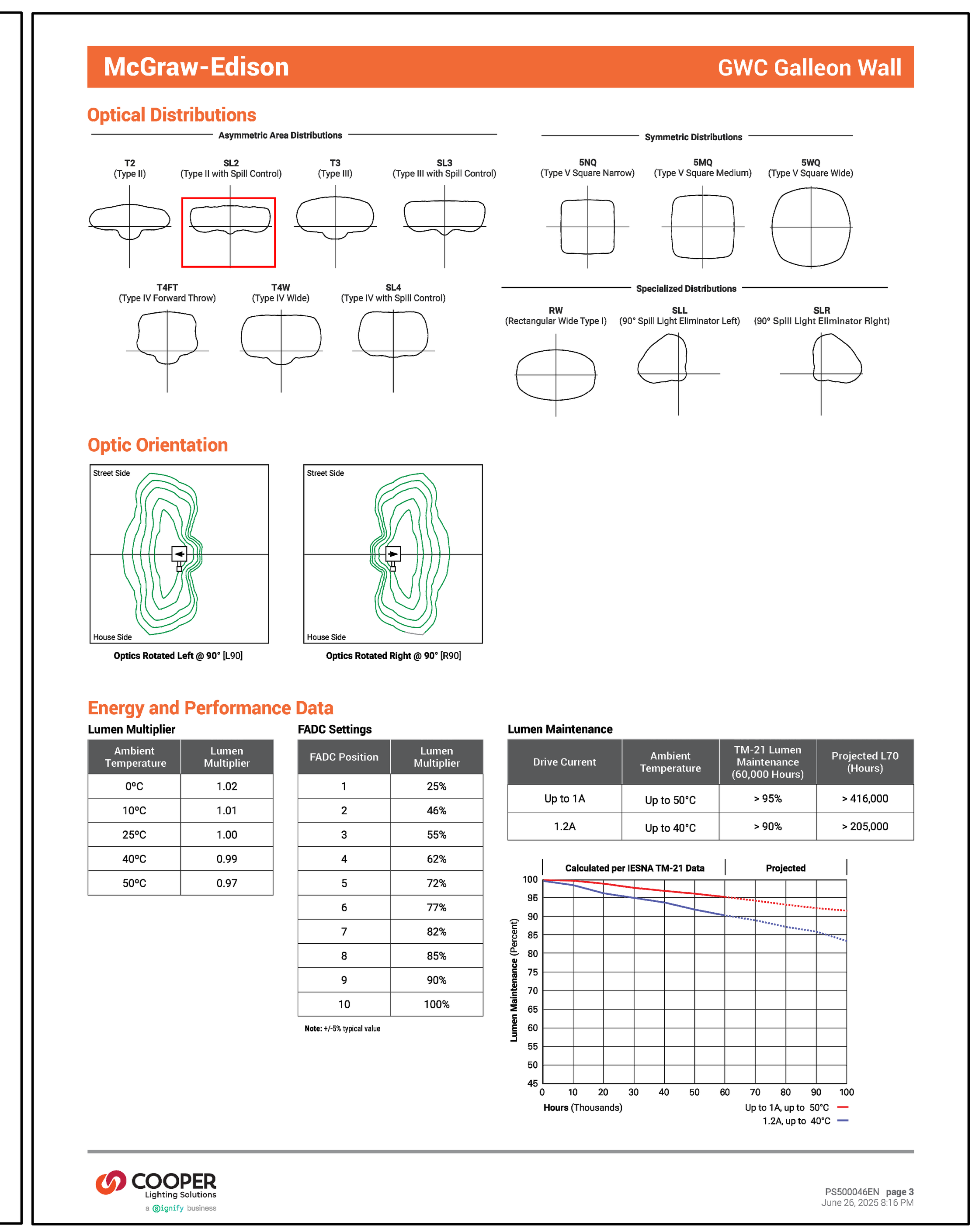
McGraw-Edison GWC Galleon Wall

Ordering Information
SAMPLE NUMBER: GWC-SA2C-740-U-T4FT-GM

Product Specifications

COOPER Lighting Solutions

PS500046EN page 2
June 26, 2025 8:16 PM



McGraw-Edison GWC Galleon Wall

Optical Distributions

Optic Orientation

Energy and Performance Data

COOPER Lighting Solutions

PS500046EN page 3
June 26, 2025 8:16 PM

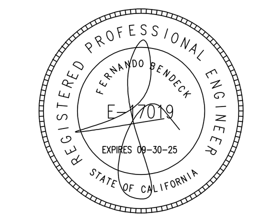
FIXTURE F2 FLOOD LUMINARIES OR APPROVED EQUAL

SCALE	2
NONE	

Santa Fe Homes

address

EngCore Consulting
1855 1st Ave., Suite 100
San Diego, CA 92101



SANTA FE HOMES

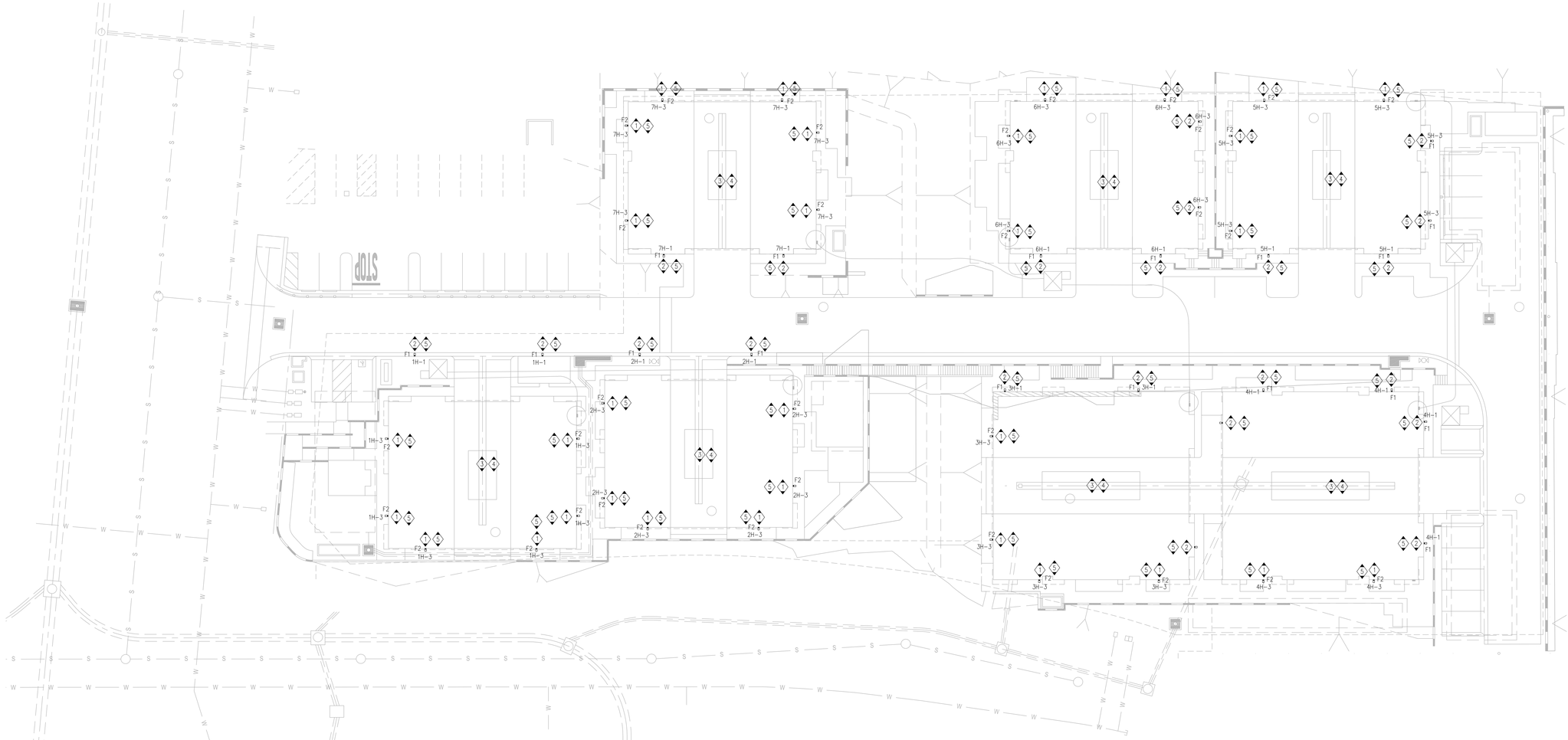
Project Title

Submittal: Date:	Description:

Job Number: 2025051	Designer: FB
Date:	Drafter:

ELECTRICAL CUT SHEETS & DETAILS

E002



KEY NOTES:

1. PROVIDE WALL MOUNTED FLOODLIGHT LUMINARIES WITH WIDE FLOOD OPTICS, MOUNTED AT 15 FEET ABOVE FINISH FLOOR. PROVIDE OCCUPANT SENSING DEVICE IN COMBINATION WITH ASTRONOMICAL TIME SWITCH FOR CONTROLS
2. PROVIDE WALL MOUNTED AREA LUMINARIES TYPE II OPTICS MOUNTED AT 25 FEET ABOVE FINISH FLOOR.
3. ALL EXTERIOR LIGHTING FIXTURES, INCLUDING THOSE DESIGNATED FOR SITE ILLUMINATION, SHALL BE CONNECTED TO THE BUILDING'S HOUSE ELECTRICAL PANEL.
4. PROVIDE ASTRONOMICAL TIME CONTROLS TO ENSURE LUMINAIRES OPERATE ONLY DURING REQUIRED NIGHT TIME HOURS.
5. PROVIDE BACK-PLATES SHIELDING TO BLOCK LIGHT FROM ESCAPING BACKWARDS

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), LOCAL ELECTRICAL CODES, THE AUTHORITY HAVING JURISDICTION (AHJ), AND THE UTILITY COMPANY SERVING THE PROJECT.
2. LIGHTING LEVELS, FIXTURE TYPES, AND CONTROLS SHALL COMPLY WITH APPLICABLE ENERGY CODES (E.G., CALIFORNIA TITLE 24 OR IECC, AS REQUIRED).
3. CONTRACTOR SHALL COORDINATE EXACT POLE, FIXTURE, AND CONDUIT LOCATIONS WITH CIVIL, STRUCTURAL, LANDSCAPING, AND ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.
4. ANY CONFLICTS BETWEEN TRADES SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION BEFORE PROCEEDING.
5. VERIFY ALL UNDERGROUND UTILITIES BEFORE TRENCHING OR EXCAVATION (CALL 811).
6. ALL LIGHTING FIXTURES, POLES, AND EQUIPMENT SHALL BE NEW, UL LISTED, AND APPROVED FOR OUTDOOR USE.
7. POLE BASES SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS AND STRUCTURAL DRAWINGS.
8. CONDUITS SHALL BE PVC SCHEDULE 40 UNDERGROUND (MINIMUM 24" COVER) OR GALVANIZED RIGID STEEL WHERE EXPOSED ABOVE GRADE, UNLESS OTHERWISE NOTED.
9. ALL CONDUCTORS SHALL BE COPPER, THWN/THHN RATED FOR WET LOCATIONS. MINIMUM CONDUCTOR SIZE: #12 AWG UNLESS NOTED OTHERWISE.
10. PROVIDE SEPARATE EQUIPMENT GROUNDING CONDUCTOR IN ALL RACEWAYS.
11. INSTALL LIGHTING POLES PLUMB AND SECURE WITH APPROPRIATE ANCHOR BOLTS, LEVELING NUTS, AND GROUT AS DETAILED.
12. PROVIDE ACCESSIBLE JUNCTION BOXES AT BASE OF EACH POLE FOR WIRING CONNECTIONS.
13. SPLICES SHALL BE MADE WITH WATERPROOF, LISTED CONNECTORS SUITABLE FOR DIRECT BURIAL.
14. PARKING LOT/SITE LIGHTING SHALL BE CONTROLLED BY A TIME SWITCH, PHOTOCELL, ASTRONOMICAL TIME SWITCH OR BUILDING AUTOMATION SYSTEM AS SPECIFIED.
15. EMERGENCY OR SECURITY LIGHTING SHALL BE PROVIDED AS REQUIRED BY CODE.
16. VERIFY CORRECT OPERATION OF ALL FIXTURES, CONTROLS, AND CIRCUITS IN PRESENCE OF OWNER/ENGINEER.
17. CONTRACTOR SHALL RESTORE ALL DISTURBED PAVING, LANDSCAPING, AND SURFACES TO ORIGINAL CONDITION OR BETTER.
18. ALL RESTORATION SHALL MATCH ADJACENT FINISHES AND COMPLY WITH JURISDICTIONAL REQUIREMENTS.
19. CONTRACTOR SHALL MAINTAIN AND SUBMIT ACCURATE AS-BUILT DRAWINGS SHOWING FINAL CONDUIT ROUTING, PULL BOX LOCATIONS, AND CIRCUITING.
20. ALL EXTERIOR SITE AND PARKING LIGHTING SHALL COMPLY WITH THE 2002 CALIFORNIA BUILDING CODE AND THE 2001 CALIFORNIA ENERGY CODE (TITLE 24, PART 6). LIGHTING CONTROLS SHALL INCLUDE AUTOMATIC SHUTOFF DEVICES, CONSISTING OF A PHOTOELECTRIC SENSOR AND/OR AN ASTRONOMICAL TIME SWITCH TO ENSURE LUMINAIRES OPERATE ONLY DURING REQUIRED NIGHTTIME HOURS

ELECTRICAL SITE PLAN

SCALE 1"=20'-0" 1

Santa Fe Homes

address

EngCore Consulting
1855 1st Ave., Suite 100
San Diego, CA 92101

SANTA FE HOMES

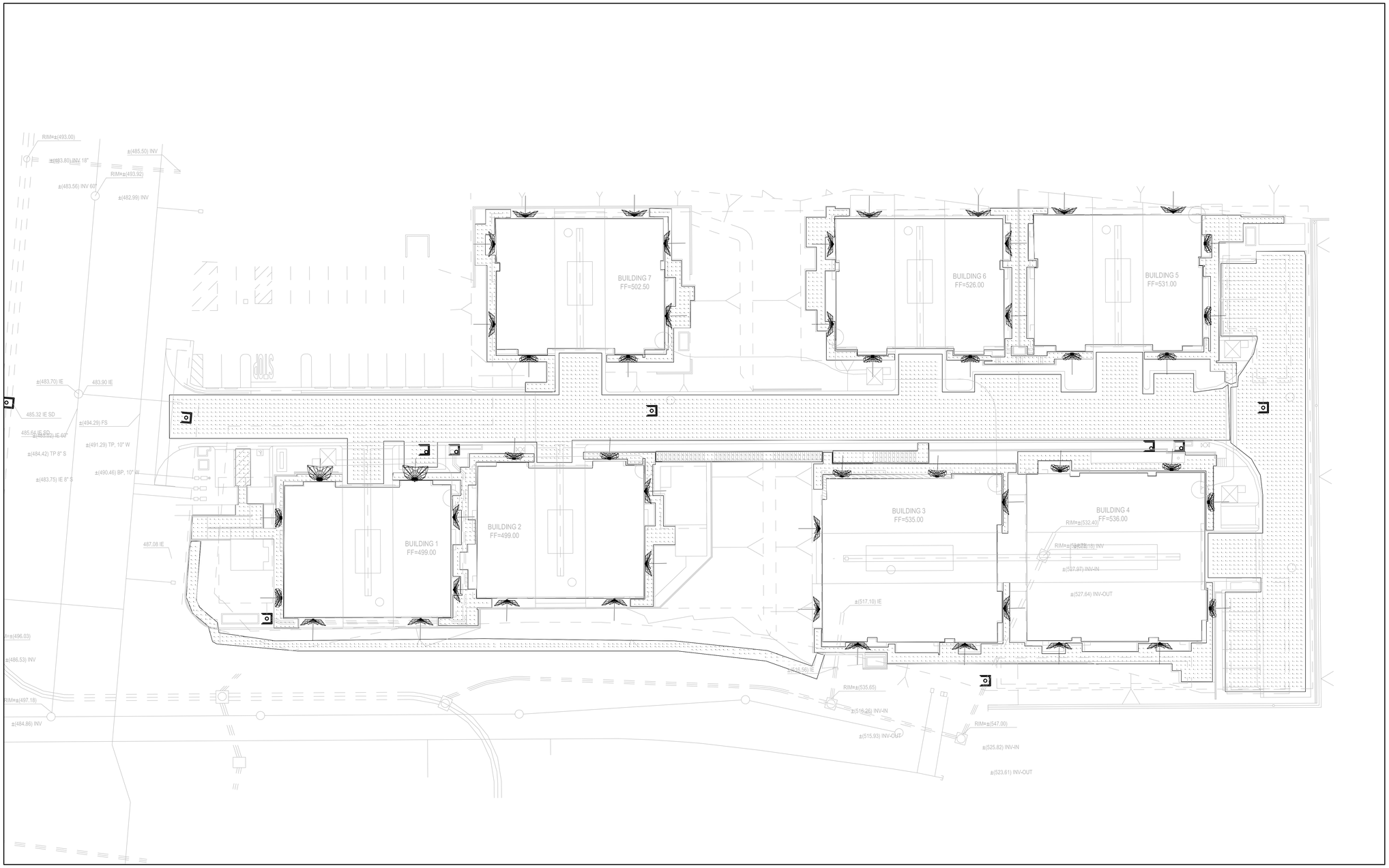
Project Title

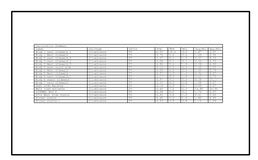
Submittal Date:	Description:

Job Number: 2025051	Designer: FB
Date:	Drafter:

ELECTRICAL SITE PLAN

E101





ELECTRICAL SITE PLAN LIGHTING CALCS

SCALE 1"=20'-0"

1

Santa Fe Homes

address

EngCore Consulting
1855 1st Ave., Suite 100
San Diego, CA 92101

SANTA FE HOMES

Project Title

Submittal Date:	Description:

Job Number: 2025051 | Designer: FB

Date: | Drafter:

ELECTRICAL
SITE PLAN
LIGHTING CALCS

E102

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	Santa Fe Homes	(Page 1 of 10)
Project Address:	San Marcos 92069, CA	Date Prepared: 8/25/2025

This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.

A. GENERAL INFORMATION

01	Project Location (city)		04	Total Illuminated Hardscape Area (ft²)	47020
02	Climate Zone	10			
03	Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):				
☐	LZ-0: Very Low - Undeveloped Parkland	☒ LZ-2: Moderate - Urban Clusters	☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval		
☐	LZ-1: Low - Rural Areas	☐ LZ-3: Moderately High - Urban Areas			
05	Occupancy Types within Project				
•	All Other Occupancies				

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.

My Project Consists of:

01	02		
☒	New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6	
☐	Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)?	○ Yes ○ No

03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%		

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	Santa Fe Homes	(Page 2 of 10)
	San Marcos 92069, CA	Date Prepared: 8/25/2025

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv												Compliance Results		
01		02		03		04		05		06		07		08	09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 must be >= 08**
1,968	+	---	+	---	+	---	+	---	OR	---	=	1,968	≥	1,462	COMPLIES
Shielding Compliance (See Table G for Details)															COMPLIES
Controls Compliance (See Table H for Details)															COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	Santa Fe Homes	(Page 3 of 10)
	San Marcos 92069, CA	Date Prepared: 8/25/2025

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1, 2]	How is Wattage determined	Total Number Luminaires[2]	Luminaire Status[3]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)1[4]	Field Inspector	
										Pass	Fail
F1	F2 Wall mtd LED fixture	☐ Linear	34	Mfr. Spec	15	New	☐	510	Provided	☐	☐
F2	F2 Wall mtd LED fixture	☐ Linear	34	Mfr. Spec	28	New	☐	952	Provided	☐	☐
							Total Design Watts:	1462			

** NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.*
EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)

[1] FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)
[2] For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.
[3] Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.
[4] Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	Santa Fe Homes	(Page 4 of 10)
	San Marcos 92069, CA	Date Prepared: 8/25/2025

G. SHIELDING REQUIREMENTS (BUG)

This table includes fixtures of >=6,200 initial lumens indicated on Table F as needing to comply with Shielding Requirements. Maximum lumens can be found in Title 24, Part 11, Section 5.106.8.

01	02	03	04	05	06	07	08	09	10	11	12	
		Backlight Rating[2]			Uplight Rating[2]			Glare Rating (Lumens)[2]			Field Inspector	
Name or Item Tag	Complete Luminaire Description	Mounting Height[1]	Max Allowable Backlight Rating[3]	Backlight Rating Per Design	Lighting type	Max Allowable Uplight Rating[3]	Uplight Rating Per Design	Mounting Height[1]	Max Allowable Glare Rating[3]	Glare Rating Per Design	Pass	Fail
F1	F2 Wall mtd LED fixture	2 MH from property line	No Limit	B1	All other outdoor lighting, including decorative	U2	U0	> 2 MH from property line	G2	G2	☐	☐

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	Santa Fe Homes	(Page 5 of 10)
	San Marcos 92069, CA	Date Prepared: 8/25/2025

G. SHIELDING REQUIREMENTS (BUG)

This table includes fixtures of >=6,200 initial lumens indicated on Table F as needing to comply with Shielding Requirements. Maximum lumens can be found in Title 24, Part 11, Section 5.106.8.

01	02	03	04	05	06	07	08	09	10	11	12	
		Backlight Rating[2]			Uplight Rating[2]			Glare Rating (Lumens)[2]			Field Inspector	
Name or Item Tag	Complete Luminaire Description	Mounting Height[1]	Max Allowable Backlight Rating[3]	Backlight Rating Per Design	Lighting type	Max Allowable Uplight Rating[3]	Uplight Rating Per Design	Mounting Height[1]	Max Allowable Glare Rating[3]	Glare Rating Per Design	Pass	Fail
F2	F2 Wall mtd LED fixture	2 MH from property line	No Limit	B1	All other outdoor lighting, including decorative	U2	U0	> 2 MH from property line	G2	G2	☐	☐
F2	F2 Wall mtd LED fixture	2 MH from property line	No Limit	B1	All other outdoor lighting, including decorative	U2	U0	> 2 MH from property line	G2	G2	☐	☐
F2	F2 Wall mtd LED fixture	2 MH from property line	No Limit	B1	All other outdoor lighting, including decorative	U2	U0	> 2 MH from property line	G2	G2	☐	☐
F2	F2 Wall mtd LED fixture	2 MH from property line	No Limit	B1	All other outdoor lighting, including decorative	U2	U0	> 2 MH from property line	G2	G2	☐	☐
F2	F2 Wall mtd LED fixture	2 MH from property line	No Limit	B1	All other outdoor lighting, including decorative	U2	U0	> 2 MH from property line	G2	G2	☐	☐
F2	F2 Wall mtd LED fixture	2 MH from property line	No Limit	B1	All other outdoor lighting, including decorative	U2	U0	> 2 MH from property line	G2	G2	☐	☐
F2	F2 Wall mtd LED fixture	2 MH from property line	No Limit	B1	All other outdoor lighting, including decorative	U2	U0	> 2 MH from property line	G2	G2	☐	☐

[1] FOOTNOTES: Mounting Height is labeled MH in this table.

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	Santa Fe Homes	(Page 6 of 10)
	San Marcos 92069, CA	Date Prepared: 8/25/2025

G. SHIELDING REQUIREMENTS (BUG)

This table includes fixtures of >=6,200 initial lumens indicated on Table F as needing to comply with Shielding Requirements. Maximum lumens can be found in Title 24, Part 11, Section 5.106.8.

01	02	03	04	05	06	07	08	09	10	11	12	
		Backlight Rating[2]			Uplight Rating[2]			Glare Rating (Lumens)[2]			Field Inspector	
Name or Item Tag	Complete Luminaire Description	Mounting Height[1]	Max Allowable Backlight Rating[3]	Backlight Rating Per Design	Lighting type	Max Allowable Uplight Rating[3]	Uplight Rating Per Design	Mounting Height[1]	Max Allowable Glare Rating[3]	Glare Rating Per Design	Pass	Fail

[2] Authority Having Jurisdiction may ask for Luminaire cut sheets or other documentation to confirm luminaire type, uplight ratings and glare ratings used for compliance per 130.2(b)/ 160.5(c)
[3] BUG ratings with a lower number than the 'Max Allowable' are compliant. Ex. If Max Allowable is Bug Rating B4, then B0, B1, B2 and B3 are all compliant.

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector	
				Pass	Fail
Entrance Road and Parking areas	Photocontrol	Provided	Provided	☐	☐
Pestrian hardscape walkways	Photocontrol	Provided	Provided	☐	☐

[1] FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.
[2] Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.
[3] Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.

Santa Fe Homes
address
EngCore Consulting
1855 1st Ave., Suite 100
San Diego, CA 92101
REGISTERED PROFESSIONAL ENGINEER — EXPIRES 06-30-25 — STATE OF CALIFORNIA

SANTA FE HOMES

Project Title

Submittal Date:	Description:

Job Number: 2025051	Designer: FB
Date:	Drafter:

ELECTRICAL
TITLE -24

TE01

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: Santa Fe Homes	**Report Page:**	**(Page 7 of 10)**
San Marcos 92069, CA	**Date Prepared:**	8/25/2025

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance. Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

	01				
	"Use it or lose it" Allowance (select all that apply) (select all that apply)				
	☒ General Hardscape Allowance Table I (below)	☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☐ Per Specific Area Table M

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)
	Illuminated Area (ft^2)	Allowed Density (W/ft^2)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
Main road and parking	26200	0.019	497.8	710	0.2	106.5	604
Building 7 walkways	4660	0.019	88.5	844	0.2	126.6	215
plineBuilding 6 walkways	4400	0.019	83.6	744	0.2	111.6	195
Building 5 walkways	1400	0.019	26.6	644	0.2	96.6	123
Building 1 walkways	2500	0.019	47.5	744	0.2	111.6	159
Building 2 walkways	1800	0.019	34.2	756	0.2	113.4	148
Building 3 walkways	4660	0.019	88.5	744	0.2	111.6	200
listBuilding 4 walkways	1400	0.019	26.6	644	0.2	96.6	123
						Initial Wattage Allowance for Entire Site (Watts):	200
						Instances of Initial Wattage Allowance (LZ 0 only)[1]	
						Total General Hardscape Allowance (Watts):	1968

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

STATE OF CALIFORNIA
Outdoor Lighting
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CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: Santa Fe Homes	**Report Page:**	**(Page 8 of 10)**
San Marcos 92069, CA	**Date Prepared:**	8/25/2025

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: Santa Fe Homes	**Report Page:**	**(Page 9 of 10)**
San Marcos 92069, CA	**Date Prepared:**	8/25/2025

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	Entrance Road and Parking areas; Pestrian hardscape walkways;

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: Santa Fe Homes	**Report Page:**	**(Page 10 of 10)**
Project Address: San Marcos 92069, CA	**Date Prepared:**	8/25/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Fernando Bendeck	Documentation Author Signature: Fernando Bendeck
Company: EngCore Consulting inc	Signature Date:
Address: 1855 First Ave Ste 100	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: San Diego, CA 92101	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Fernando Bendeck	Responsible Designer Signature: Fernando Bendeck
Company: EngCore Consulting inc	Date Signed: 2025-08-25
Address: 1855 First Ave Ste 100	License: E-17019
City/State/Zip: San Diego, CA 92101	Phone:

Santa Fe Homes
address

EngCore Consulting
1855 1st Ave., Suite 100
San Diego, CA 92101

REGISTERED PROFESSIONAL ENGINEER
FERNANDO BENDECK
E 17019
EXPIRES 08-30-25
STATE OF CALIFORNIA

SANTA FE HOMES

Project Title

Submittal Date:	Description:

Job Number: 2025051 | Designer: FB
Date: | Drafter:

ELECTRICAL
TITLE -24

TE02