



ATTACHMENT E

ARCHITECTURAL PLANS

SITE DEVELOPMENT PLAN APPLICATION FOR: *HUGHES CIRCUITS*

NORTHEAST CORNER SOUTH PACIFIC STREET
SAN MARCOS, CALIFORNIA 92078



PROPOSED EAST ELEVATION

DRAWING SYMBOLS	PROJECT DATA	PROJECT DIRECTORY	SHEET INDEX																																																		
<p>DRAWING SYMBOLS</p> <ul style="list-style-type: none"> KEY NOTE REFERENCE DOOR NUMBER DESIGNATION WINDOW NUMBER DESIGNATION CONTROL DATUM POINT GRID LINE LETTER OR NUMBER DESIGNATION DETAIL REFERENCE WALL SECTION OVERALL BUILDING SECTION ENLARGED DETAIL DIMENSION TO FACE OF BUILDING MATERIAL DIMENSION TO CENTER OF BUILDING MATERIAL 	<p>PROJECT DATA</p> <p>PROJECT ADDRESS: SOUTHEAST CORNER SOUTH PACIFIC STREET A.P.N.: 219-223-2000 LEGAL DESCRIPTION: LOT 5 AND THE SOUTHEASTERLY 70.05 OF LOT 4, BLOCK 33, OF RANCHO LOS VALLECITOS DE SAN MARCOS, IN THE CITY OF SAN MARCOS, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF 806, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, DECEMBER 21, 1895</p> <p>EXISTING GENERAL PLAN: L4 (LIGHT MANUFACTURING) EXISTING LAND USE: VACANT LOT PROPOSED LAND USE: LIGHT MANUFACTURING</p> <p>SEWER DISTRICT: VALLECITOS WATER DISTRICT WATER DISTRICT: VALLECITOS WATER DISTRICT STORM DRAIN DISTRICT: CITY OF SAN MARCOS GAS & ELECTRIC: SAN DIEGO GAS & ELECTRIC SCHOOL DISTRICT: UNIFIED SAN MARCOS</p> <p>OCCUPANCY: B, F-1, S-1 TYPE OF CONSTRUCTION: III-B FIRE SPRINKLERED: YES</p> <p>APPLICATIONS: SITE DEVELOPMENT PLAN</p> <p>SIGNAGE: FUTURE SEPARATE SIGN PERMIT REQUIRED (NOT INCLUDED IN THIS APPLICATION)</p>	<p>PROJECT DIRECTORY</p> <p>OWNER: HUGHES CIRCUITS, INC 546 SOUTH PACIFIC STREET, SAN MARCOS, CA 92078 PHONE: 760-744-0300 EMAIL: joe@hughescircuits.com CONTACT: JOE HUGHES</p> <p>LAND PLANNING CONSULTANT CCI - CONSULTANTS COLLABORATIVE 160 INDUSTRIAL ST. SAN MARCOS, CA 92078 PHONE: 760-471-2365 EMAIL: terry@ccconnect.com CONTACT: TERRY MATHEW</p> <p>ARCHITECT: SCA ARCHITECTURE 13280 EVENING CREEK DR. SOUTH SUITE 125 SAN DIEGO, CA 92128 PHONE: (858) 793-4777 EMAIL: normanb@sca-sd.com CONTACT: NORMAN BARRETT</p> <p>CIVIL ENGINEER: EXCEL ENGINEERING 6390 GREENWICH DRIVE, SUITE 170 SAN DIEGO, CA 92122 PHONE: 858-554-1500 EMAIL: mlevin@excelengineering.net CONTACT: MICHAEL LEVIN</p> <p>LANDSCAPE ARCHITECT: RIDGE LANDSCAPE 8841 RESEARCH DR STE 200 IRVINE, CALIFORNIA 92618 PHONE: (949) 387-1323 EMAIL: ron@rdgela.com CONTACT: RON STARK</p> <p>ELECTRICAL ENGINEER: MPE CONSULTING INC. 10807 THORNHUNT RD. SAN DIEGO, CALIFORNIA 92127 PHONE: (658) 693-4445 EMAIL: denny@mpeconsulting.com CONTACT: DENNY HIRZEL</p>	<p>SHEET INDEX</p> <p>ARCHITECTURAL:</p> <ul style="list-style-type: none"> TS100 TITLE SHEET AS100 SITE PLAN AS200 SITE DETAILS A100 GROUND LEVEL & MEZZANINE FLOOR PLANS A200 ROOF PLAN A300 EXTERIOR ELEVATIONS A301 EXTERIOR COLOR ELEVATIONS A400 BUILDING SECTIONS <p>CIVIL:</p> <ul style="list-style-type: none"> 1 OF 5 TITLE SHEET 2 OF 5 EXISTING CONDITIONS 3 OF 5 GRADING 4 OF 5 SECTION & DETAILS 5 OF 5 WOMP BMP <p>ELECTRICAL:</p> <ul style="list-style-type: none"> E001 NOTE SHEET E002 LIGHTING DETAIL SHEET E201 SITE PLAN LIGHTING PHOTOMETRICS <p>LANDSCAPE:</p> <ul style="list-style-type: none"> L1.1 PRELIMINARY LANDSCAPE PLAN L2.1 PRELIMINARY SHADING PLAN L3.1 PRELIMINARY IRRIGATION PLAN L4.1 EXISTING TREE REMOVAL 																																																		
	<p>LOT SUMMARY</p> <p>SITE AREA: 113,691 S.F. (2.61 AC) FAR: 67,410 S.F. / 113,691 S.F. = 59% (60% MAX.)</p> <p>BUILDING AREA SUMMARY</p> <p>1ST FLOOR: 56,310 S.F. MEZZANINE: 11,100 S.F. TOTAL: 67,410 S.F.</p>	<p>AREA ANALYSIS PROPOSED BUILDING</p> <p>PROPOSED BUILDING AREA = 67,410 S.F.</p> <p>BASIC ALLOWABLE = TYPE III-B FIRE SPRINKLED SEPARATION 4 SIDES & FIRE SPRINKLED = UNLIMITED AREA</p> <p>YARD SEPARATION: 60'-0" SIDE YARD ALL 4 SIDES = UNLIMITED AREA (PER CBC SECTION 507.4)</p> <p>TOTAL ALLOWED: UNLIMITED AREA > 67,410 S.F. (O.K.)</p>	<p>Revision Dates</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> <p>Issue Dates</p> <p>Planning Dept. 01/31/2022 Planning Dept. 06/10/2022 Planning Dept. 08/03/2022 Bid Set - Permit Set - Construction Set -</p> <p>Drawing Date 08/03/2022</p> <p>Check By NDB Drawn By NDB</p> <p>Scale SEE PLAN Job Number 21019.S01 Sheet Number</p>	NO.	DATE	DESCRIPTION																																															
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<p>CODES</p> <p>THIS PROJECT WILL COMPLY WITH THE FOLLOWING CODES AS ADOPTED AND AMENDED BY THE STATE OF CALIFORNIA AND CITY OF SAN MARCOS</p> <ul style="list-style-type: none"> 2019 CALIFORNIA BUILDING CODE 2019 CALIFORNIA ENERGY CODE 2019 CALIFORNIA FIRE CODE 2019 CALIFORNIA ELECTRICAL CODE 2019 CALIFORNIA PLUMBING CODE 2019 CALIFORNIA MECHANICAL CODE 2019 CALIFORNIA GREEN STANDARDS 	<p>PARKING SUMMARY</p> <p>SEE SHEET AS100</p>	<p>VICINITY MAP</p>	<p>SHEET: TS100 - TITLE SHEET CITY OF SAN MARCOS</p> <p>SITE DEVELOPMENT PLAN NUMBER: SDP22-0002 OWNER: HUGHES CIRCUITS, INC PHONE: 760-744-0300</p> <p>ADDRESS: SOUTHEAST CORNER OF SOUTH PACIFIC STREET</p> <p>ARCHITECT: SCA ARCHITECTURE PHONE: 858-793-4777 ENGINEER, DESIGNER: 13280 EVENING CREEK DR. NO. 125 CONTACT: NORMAN BARRETT</p> <p>ADDRESS: NE CORNER OF SOUTH PACIFIC ST. LOCATION:</p> <p>TYPE OF DEVELOPMENT: SITE DEVELOPMENT PLAN</p> <p>ZONE: L4 (LIGHT MANUFACTURING) ASSESSOR'S PARCEL NUMBERS: 219-223-2000</p> <table border="1"> <thead> <tr> <th colspan="2">SITE DATA:</th> <th colspan="3">DWELLING UNITS:</th> </tr> <tr> <th>AREA (sq. ft.):</th> <th>FAR:</th> <th>STUDIO:</th> <th>COMMON:</th> <th>PRIVATE:</th> </tr> </thead> <tbody> <tr> <td>113,691 S.F. (2.61 AC)</td> <td>.59</td> <td>1</td> <td>n/a</td> <td></td> </tr> <tr> <td>67,410 S.F.</td> <td></td> <td>2</td> <td>n/a</td> <td></td> </tr> <tr> <td>72 STALLS</td> <td></td> <td>3</td> <td>n/a</td> <td></td> </tr> <tr> <td>4 STALLS</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>LANDSCAPING: 24,431 S.F. (21%) TOTAL UNITS: PARKING: DRIVEWAY (SIZE AND SLOPE)</p> <table border="1"> <thead> <tr> <th>GARAGE:</th> <th>LOADING:</th> <th>ONE WAY:</th> <th>FRONT:</th> <th>REAR:</th> </tr> </thead> <tbody> <tr> <td>n/a</td> <td>n/a</td> <td></td> <td></td> <td></td> </tr> <tr> <td>COVERED: 0</td> <td>HANDICAP: 4</td> <td>TWO WAY:</td> <td>LEFT SIDE:</td> <td></td> </tr> <tr> <td>OPEN: 72</td> <td>TOTAL: 72</td> <td></td> <td>RIGHT SIDE:</td> <td></td> </tr> </tbody> </table>	SITE DATA:		DWELLING UNITS:			AREA (sq. ft.):	FAR:	STUDIO:	COMMON:	PRIVATE:	113,691 S.F. (2.61 AC)	.59	1	n/a		67,410 S.F.		2	n/a		72 STALLS		3	n/a		4 STALLS					GARAGE:	LOADING:	ONE WAY:	FRONT:	REAR:	n/a	n/a				COVERED: 0	HANDICAP: 4	TWO WAY:	LEFT SIDE:		OPEN: 72	TOTAL: 72		RIGHT SIDE:	
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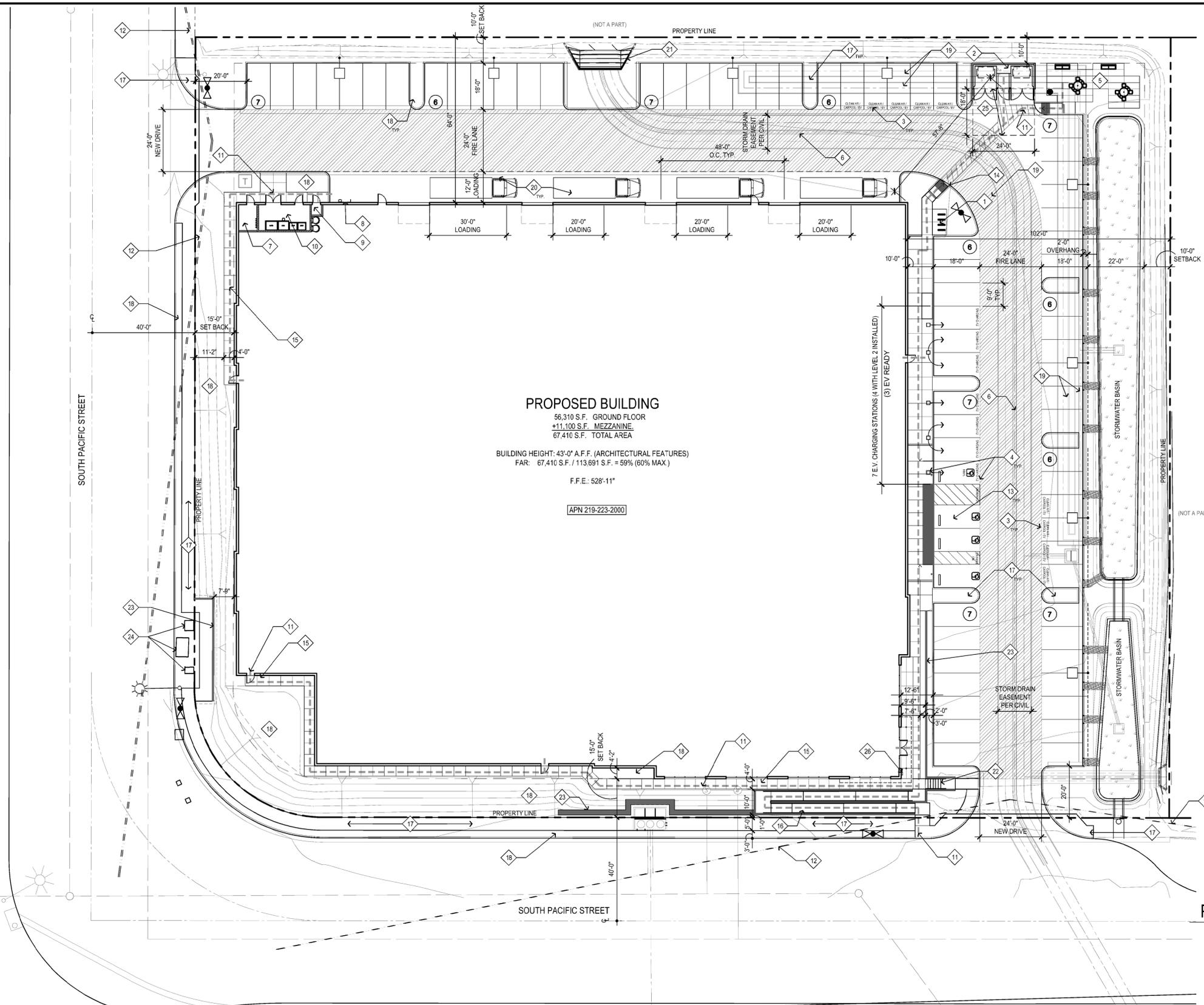
Revision Dates

Issue Dates

Planning Dept.	01/31/2022
Planning Dept.	06/10/2022
Planning Dept.	08/03/2022
Bid Set	-
Permit Set	-
Construction Set	-
Drawing Date	08/03/2022
Check By	NDB
Drawn By	NDB
Scale	SEE PLAN
Job Number	21019.S01
Sheet Number	

PARKING SUMMARY

TOTAL BUILDING AREA	67,410 S.F. (INCL. 11,100 SF OF MEZZ)
TOTAL REQUIRED PARKING SPACES	
WAREHOUSE: (1 / 4000) @ 41,310 S.F.	11 SPACES
MANUFACTURING (1 / 500) @ 15,000 S.F.	30 SPACES
WAREHOUSE/MEZZ.: (1 / 4000) @ 3,100 S.F.	1 SPACE
OFFICE/MEZZANINE: (1 / 300) @ 8,000 S.F.	27 SPACES
TOTAL REQUIRED	= 69 SPACES
TOTAL PROVIDED	= 72 SPACES
FUTURE ELECTRIC SPACES (CAL GREEN TABLE 5.106.5.3.3)	7 REQUIRED 7 PROVIDED
REQUIRED ELECTRIC SPACES PER CAP (5% OF PARKING)	4 FULLY INSTALLED WITH LEVEL 2 CHARGES AND (3) EV READY
ELECTRIC SPACES PROVIDED	4 FULLY INSTALLED WITH LEVEL 2 CHARGES AND (3) EV READY
CLEAN AIR / VANPOOL / EV	9 PROVIDED (INCLUDES 7 EV STALLS)
SHORT-TERM BICYCLE PARKING (CAL GREEN TABLE 5.106.5.2)	72 STALLS X .05 = 4 REQUIRED 4 PROVIDED (OUTDOOR BIKE RACKS)
LONG-TERM BICYCLE PARKING (TO BE SHOWN ON BUILDING PERMIT PLANS)	72 STALLS X .05 = 4 REQUIRED 4 PROVIDED (INDOOR BIKE LOCKERS)
ACCESSIBLE STALLS (118-208.2)	4 REQUIRED, 4 PROVIDED
LOADING SPACES	1:40,000 REQUIRED - (2) 4 PROVIDED



PROPOSED BUILDING
 56,310 S.F. GROUND FLOOR
 +11,100 S.F. MEZZANINE
 67,410 S.F. TOTAL AREA

BUILDING HEIGHT: 43'-0" A.F.F. (ARCHITECTURAL FEATURES)
 FAR: 67,410 S.F. / 113,691 S.F. = 59% (60% MAX)
 F.F.E.: 528'-11"
 APN 219-223-2000

PROPOSED SITE PLAN
 SCALE: 1" = 20'-0"

SITE PLAN LEGEND

SITE ACCESSIBLE PATH OF TRAVEL (MIN. 4' WIDE)	---
PROPERTY / PARCEL LINES	- - - -
FIRE HYDRANT (NEW PRIVATE U.N.O.)	⊕
DOUBLE CHECK VALVE (PRIVATE)	⊕
ELECTRICAL TRANSFORMER PAD	T
25'-0" HIGH PARKING LOT LIGHTS PER ELECTRICAL DRAWINGS	⊙
ACCESSIBLE PARKING STALL (9' WIDE X 18' DEEP), 2% MAX. SLOPE IN ANY DIRECTION. VAN ACCESSIBLE ON LEFT SIDE OF MARKED 8' WIDE STEP-OUT	
INSTALLED LEVEL 2 CHARGERS	
CONDUIT ONLY CHARGERS	
24'-0" FIRELANE	
TYPICAL PARKING STALLS:	
PARKING STALL COUNT	

SITE PLAN KEYNOTES

1 SHORT-TERM BIKE PARKING - LOOP BIKE RACK	11 ACCESSIBLE PATH AT LESS THAN 2% SLOPE. PAINTED PEDESTRIAN PATH WITH DIRECTIONAL SIGNAGE. ACCESSIBLE CURB RAMPS PER CITY STDS., TRUNCATED DOME INDICATORS PER CITY STDS. AT DRIVE AISLE CROSSINGS	18 WATER QUALITY PER CIVIL DRAWINGS
2 TRASH ENCLOSURE	12 LINE OF SIGHT	20 GRADE LEVEL LOADING
3 CARPOOL AND ZERO EMISSION PARKING STALLS	13 ACCESSIBLE PARKING SPACE	21 STORM WATER HEADWALL PER CIVIL DRAWINGS
4 ELECTRIC VEHICLE SPACES FULLY INSTALLED	14 CURB RAMP	22 CONCRETE STAIRS
5 OUTDOOR AMENITY AREA - REFER ALSO TO LANDSCAPE PLANS	15 MINIMUM 5'-0" WIDE CONCRETE SIDEWALK	23 RETAINING WALL PER CIVIL DWGS
6 UNDERGROUND PUBLIC STORM DRAIN PER CIVIL DRAWINGS	16 ACCESSIBLE PEDESTRIAN RAMP TO PUBLIC WAY	24 EXISTING ELECTRICAL EQUIP. TO BE REMAIN. SEE CIVIL DRAWINGS
7 MPOE ROOM	17 NEW CONCRETE SIDEWALK AT STREET	25 18'x24' REFUSE/RECYCLING LOADING AREA
8 GAS METER AND GAS STUB UP	18 LANDSCAPING PER LS DRAWINGS	26 KNOX BOX PER THE CITY OF SAN MARCOS FIRE DEPARTMENT, HEIGHT OF 60 TO 66 INCHES ABOVE GRADE.
9 FIRE RISER ROOM		
10 ELECTRICAL ROOM		

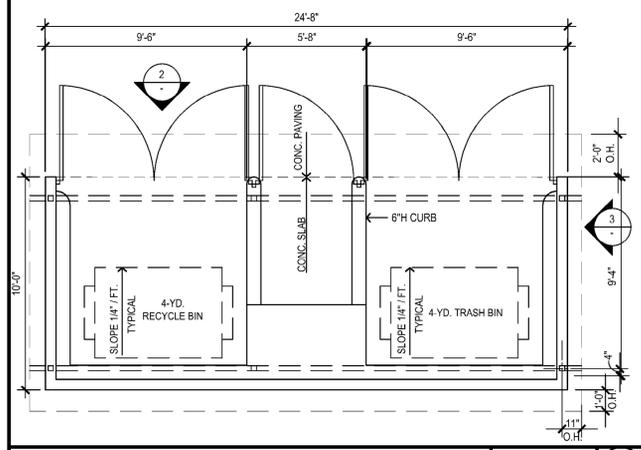
SHEET: AS100 - SITE PLAN CITY OF SAN MARCOS

SITE DEVELOPMENT PLAN NUMBER: SDP22-0002
 OWNER: HUGHES CIRCUITS, INC PHONE: 760-744-0300

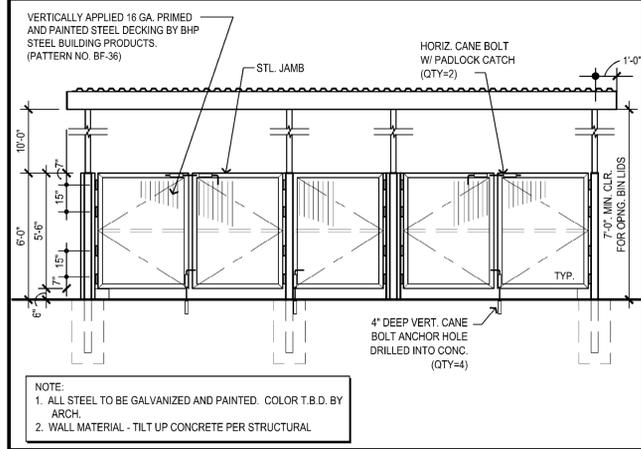
ADDRESS: SOUTHEAST CORNER OF SOUTH PACIFIC STREET
 ARCHITECT: SCA ARCHITECTURE PHONE: 858-793-4777
 ENGINEER DESIGNER: 13280 EVENING CREEK DR. NO. 125 CONTACT: NORMAN BARRETT

TYPE OF DEVELOPMENT: SITE DEVELOPMENT PLAN LOCATION:
 ZONE: L1 (LIGHT MANUFACTURING) ASSESSOR'S PARCEL NUMBERS: 219-223-2000

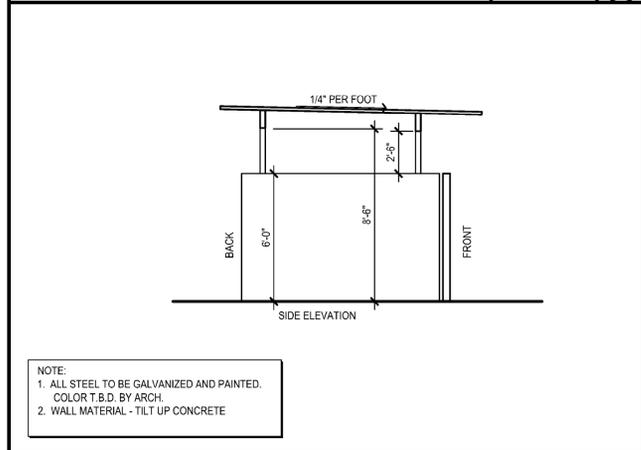
AREA (sq. ft.): 113,691 S.F.	FAR: 59	STUDIO:	COMMON:	PRIVATE:
LOT: 113,691 S.F. (2.61 AC)	1 BDRM:	n/a	n/a	n/a
BUILDING: 67,410 S.F.	2 BDRM:	n/a	n/a	n/a
PARKING: 72 STALLS	3 BDRM:	n/a	n/a	n/a
LOADING: 4 STALLS	TOTAL UNITS:			
LANDSCAPING: 24,431 S.F. (21%)	DRIVEWAY (SIZE AND SLOPE):			
PARKING:	ONE WAY:	FRONT:	REAR:	
GARAGE: n/a	LOADING: n/a	TWO WAY:	LEFT SIDE:	
COVERED: 0	HANDICAP: 4	SLOPE:	RIGHT SIDE:	
OPEN: 72	TOTAL: 72			



TRASH ENCLOSURE PLAN 1/4" = 1'-0" **1**



TRASH ENCLOSURE ELEVATION 1/4" = 1'-0" **2**



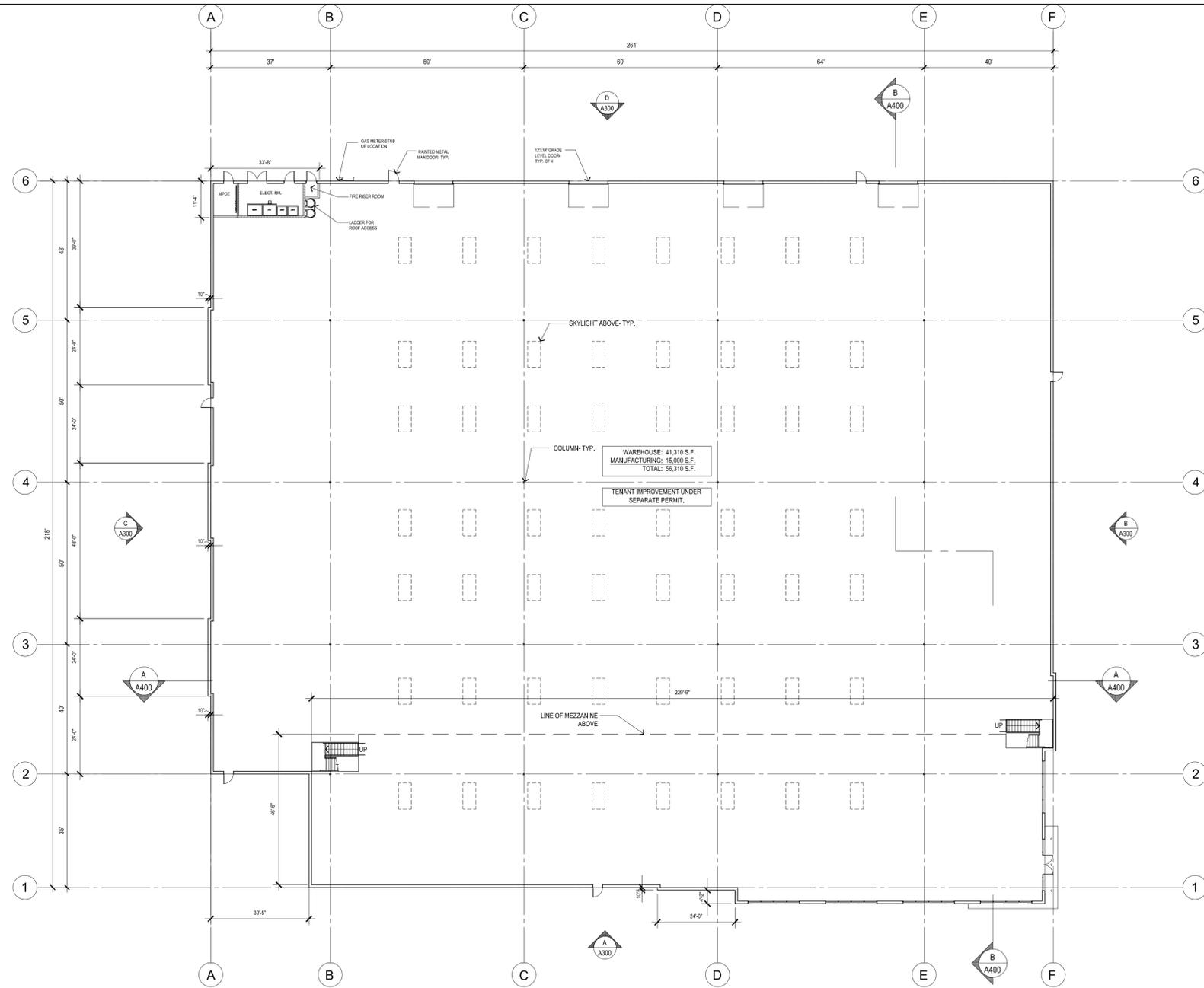
TRASH ENCLOSURE ELEVATIONS- SIDE 1/4" = 1'-0" **3**

SHEET: TS200 - SITE DETAIL SHEET		CITY OF SAN MARCOS	
SITE DEVELOPMENT PLAN NUMBER: SDP22-0002			
OWNER: HUGHES CIRCUITS, INC		PHONE: 760-744-0300	
ADDRESS: SOUTHEAST CORNER OF SOUTH PACIFIC STREET			
ARCHITECT:	SCA ARCHITECTURE	PHONE:	858-793-4777
ENGINEER DESIGNER:	13280 EVENING CREEK DR. NO. 125	CONTACT:	NORMAN BARRETT
ADDRESS: NE CORNER OF SOUTH PACIFIC ST.		LOCATION:	
TYPE OF DEVELOPMENT: SITE DEVELOPMENT PLAN		ASSESSOR'S PARCEL NUMBERS: 219-223-2000	
ZONE: L-1 (LIGHT MANUFACTURING)			
SITE DATA:		DWELLING UNITS:	
AREA (sq. ft.): 113,691 S.F.	FAR: 59	STUDIO:	COMMON: PRIVATE:
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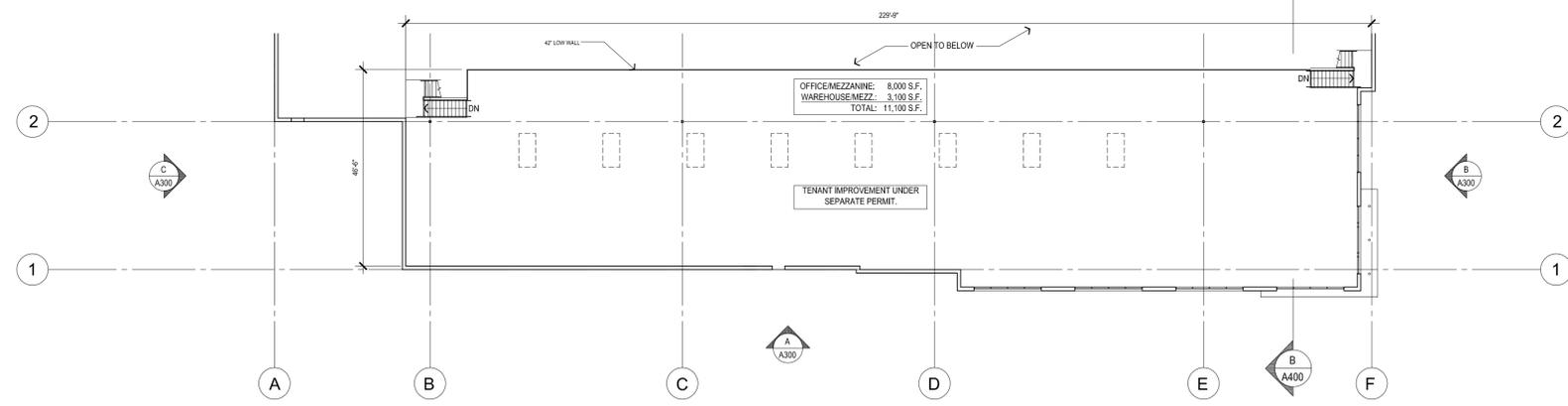
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3RD SDP SUBMITTAL 2022.08.16



GROUND LEVEL FLOOR PLAN
SCALE: 1" = 20'-0"



MEZZANINE LEVEL FLOOR PLAN
SCALE: 1" = 20'-0"

SOLAR BATTERY STORAGE, IF REQUIRED, SHALL BE LOCATED INDOORS IN THE ELECTRICAL ROOM

SHEET: A100 - FLOOR PLAN		CITY OF SAN MARCOS	
SITE DEVELOPMENT PLAN NUMBER: SDP22-0002			
OWNER: HUGHES CIRCUITS, INC		PHONE: 760-744-0300	
ADDRESS: SOUTHEAST CORNER OF SOUTH PACIFIC STREET			
ARCHITECT:	SCA ARCHITECTURE	PHONE: 858-793-4777	
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GARAGE:	n/a	LOADING:	n/a
COVERED:	0	HANDICAP:	4
OPEN:	72	TOTAL:	72
ONE WAY:	FRONT:	REAR:	
TWO WAY:	LEFT SIDE:	RIGHT SIDE:	
SLOPE:			

SITE DEVELOPMENT PLAN APPLICATION FOR:

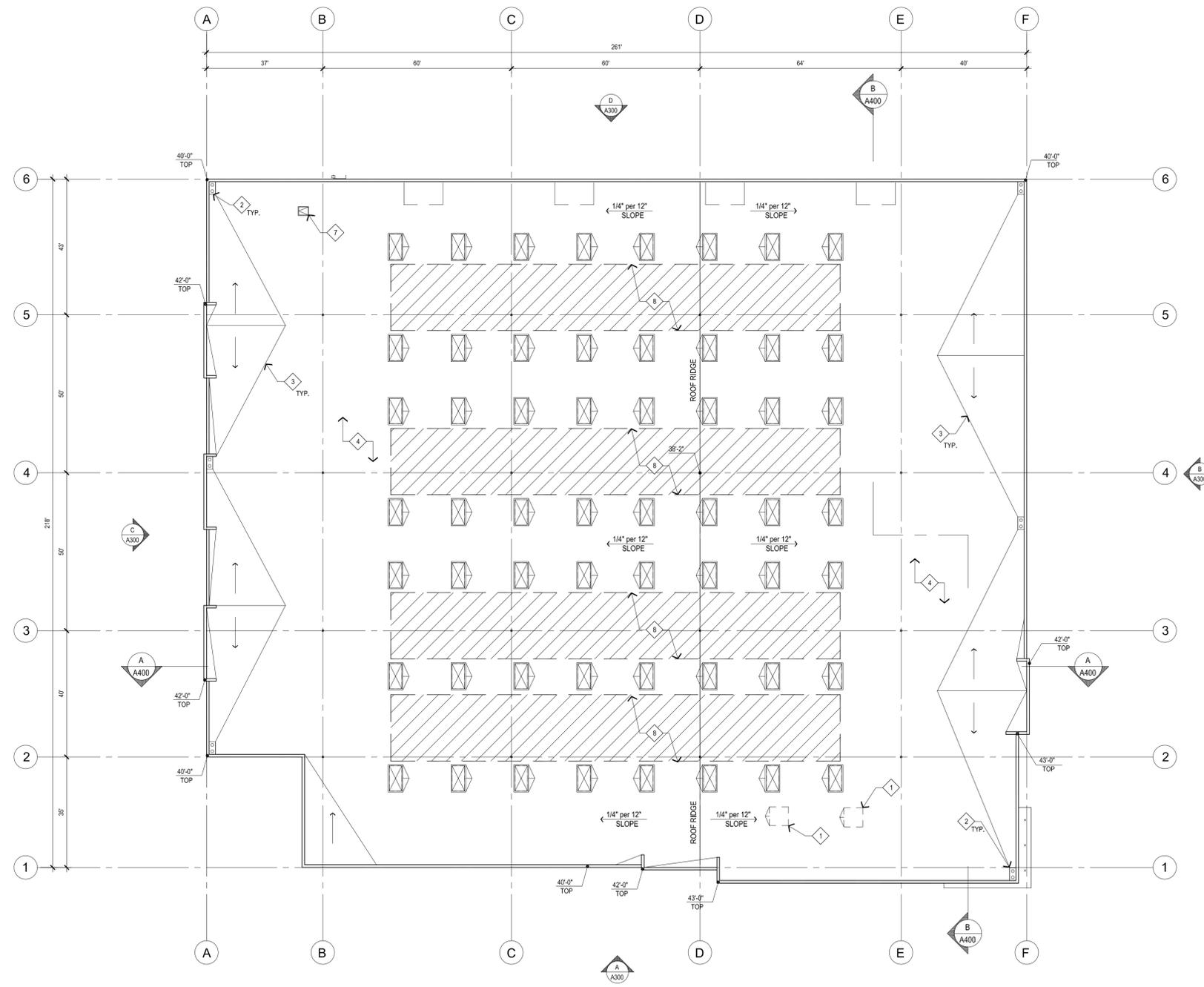
HUGHES CIRCUITS

NE CORNER SOUTH PACIFIC STREET
SAN MARCOS, CALIFORNIA 92078

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ROOF PLAN
SCALE: 1"=20'

ROOF PLAN LEGEND:
ROOF HEIGHTS ARE GIVEN ABOVE THE FIRST FLOOR FINISH SLAB ELEVATIONS TO TOP OF ROOF SHEATHING.

0'-0"	ROOF ELEVATION, FINISH FLOOR TO TOP OF ROOF SHEATHING (TYP U.O.N.)
0'-0" T.O.P.	TOP OF PARAPET ELEVATION, FINISH FLOOR TO TOP OF PARAPET (TYP U.O.N.)
1/4" / FT. SLOPE	DENOTES MIN. ROOF SLOPE FLOW LINE
[Symbol]	4'-0" x 8'-0" SKYLIGHT

ROOF CALCULATIONS:

SKYLIGHT PER CEC SECTION 140.3 (MINIMUM 3% OF ROOF AREA)

ROOF AREA= 56,310 SF
 REQUIRED SKYLIGHT AREA = 56,310 x 3% = 1,689 SF
 MINIMUM SKYLIGHT SIZE = 4' X 8' (32 SF)
 TOTAL NUMBER OF SKYLIGHTS REQUIRED FOR DAYLIGHTING = 53 (1,686 SF)

SOLAR ZONE CALCULATION

56,310 SF	TOTAL ROOF AREA
- 1,686 SF	TOTAL REQUIRED SKYLIGHT AREA
54,624 SF x 15% =	8,192 SF
=	8,192 SF REQUIRED SOLAR AREA
=	12,000 SF PROPOSED SOLAR AREA

PV CALCULATIONS:

PV SYSTEM SIZE PER CITY OF SAN MARCOS CLIMATE ACTION PLAN - EFFECTIVE 2022
 INSTALL PV SYSTEMS WITH A MINIMUM OF 2 WATTS / SF OF GROSS FLOOR AREA

GROSS FLOOR AREA = 67,410 SF
 PV SYSTEM SIZE = 67,410*2 = 132,820 WATTS / 132.8 kw

ROOF PLAN KEY NOTES:

- ROOFTOP HVAC EQUIPMENT - QUANTITY, SIZES AND LOCATIONS SHOWN FOR REFERENCE ONLY. SCREENS TO BE OMITTED WHEN EQUIPMENT IS SCREENED BY BUILDING ELEMENT OR PARAPET.
- ROOF AND OVERFLOW DRAIN
- ROOF CRICKET
- CLASS A SINGLE PLY ROOFING
- 30"x42" ROOF ACCESS HATCH INSTALL PER MANUFACTURER'S REQUIREMENTS PER
- SKYLIGHT - (4'-0" x 8'-0")
- ROOF ACCESS HATCH
- DENOTES SOLAR ZONE AREAS

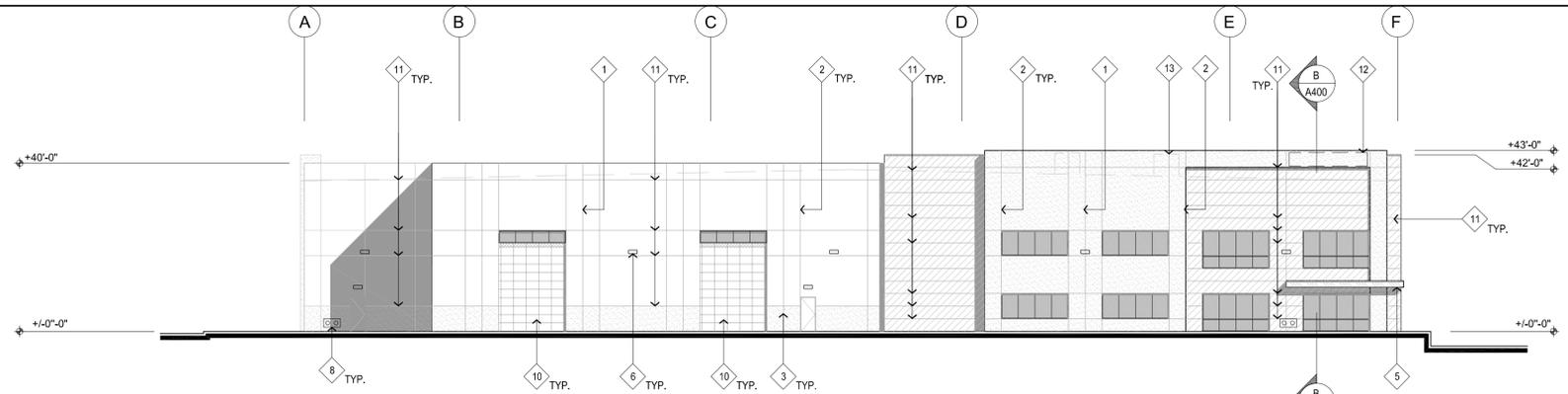
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1		
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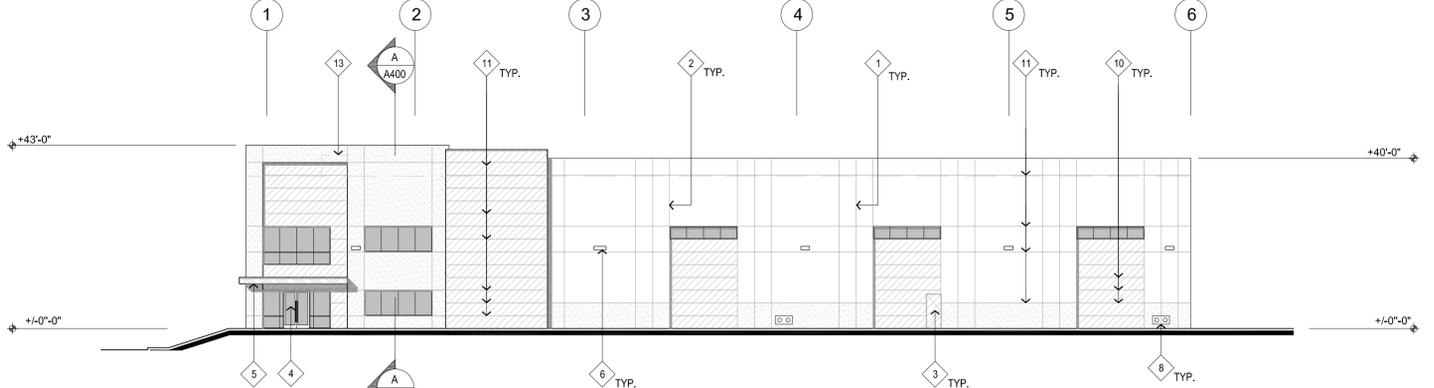
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SHEET: A200 - ROOF PLAN		CITY OF SAN MARCOS	
SITE DEVELOPMENT PLAN NUMBER: SDP22-0002			
OWNER: HUGHES CIRCUITS, INC		PHONE: 760-744-0300	
ADDRESS: SOUTHEAST CORNER OF SOUTH PACIFIC STREET			
ARCHITECT:	SCA ARCHITECTURE	PHONE: 858-793-4777	
ENGINEER DESIGNER:	13280 EVENING CREEK DR. NO. 125	CONTACT: NORMAN BARRETT	
ADDRESS: NE CORNER OF SOUTH PACIFIC ST.		LOCATION:	
TYPE OF DEVELOPMENT: SITE DEVELOPMENT PLAN			
ZONE: L4 (LIGHT MANUFACTURING)		ASSESSOR'S PARCEL NUMBERS: 219-223-0000	
SITE DATA:			
AREA (sq. ft.): 113,691 S.F.	FAR: .59	STUDIO:	COMMON: PRIVATE:
LOT: 113,691 S.F. (2.61 AC)		1 BDRM:	n/a
BUILDING: 67,410 S.F.		2 BDRM:	n/a
PARKING: 72 STALLS		3 BDRM:	n/a
LOADING: 4 STALLS			
LANDSCAPING: 24,431 S.F. (21%)		TOTAL UNITS:	
PARKING:		DRIVEWAY (SIZE AND SLOPE):	
GARAGE: n/a	LOADING: n/a	ONE WAY:	FRONT: REAR:
COVERED: 0	HANDICAP: 4	TWO WAY:	LEFT SIDE:
OPEN: 72	TOTAL: 72	SLOPE:	RIGHT SIDE:



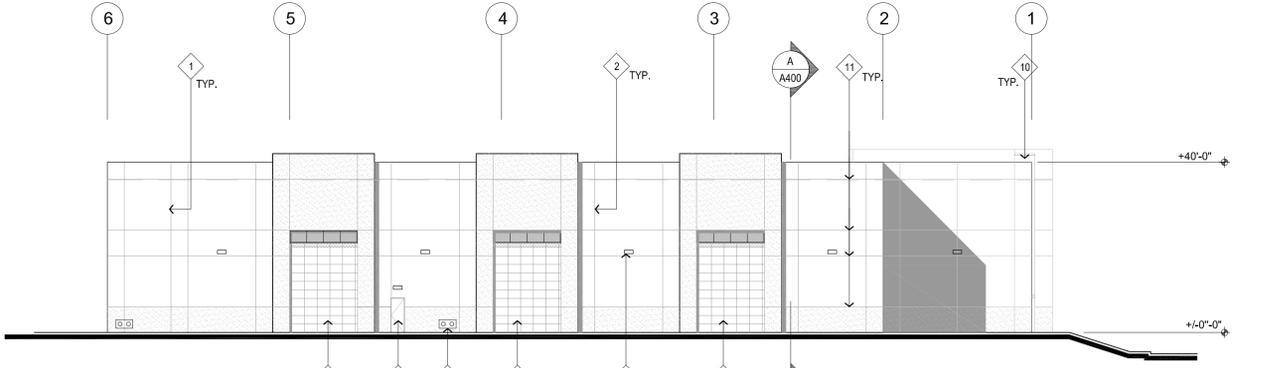
A SOUTH ELEVATION (STREET ELEVATION)

SCALE: 1" = 20'-0"



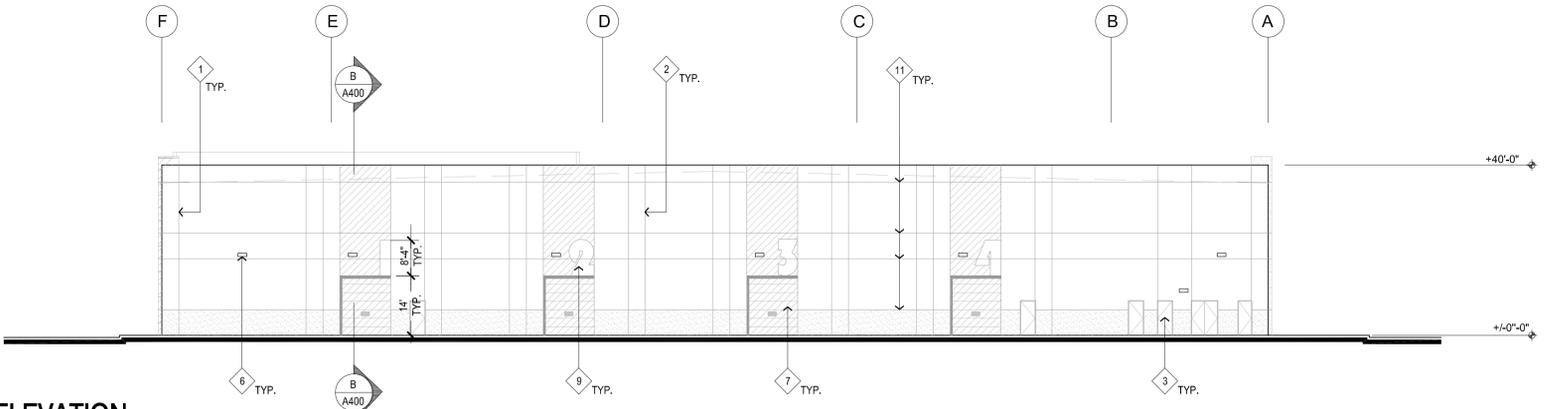
B EAST ELEVATION

SCALE: 1" = 20'-0"



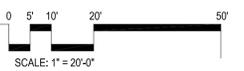
C WEST ELEVATION (STREET ELEVATION)

SCALE: 1" = 20'-0"



D NORTH ELEVATION

SCALE: 1" = 20'-0"



MATERIAL SCHEDULE:

- 2"x4-1/2" ALUMINUM STOREFRONT, FRONT SET SYSTEM, w/CAPTURED HORIZONTALS AND VERTICALS - w/ DUAL PANE TINTED GLAZING. GLAZING: PPG SOLARBAN 60 (2) SOLARBLUE + CLEAR. MULLIONS: CLEAR ANODIZED
- PAINTED CONCRETE TILT-UP PANEL FIELD COLOR: SW 6000 SNOWFALL
- PAINTED CONCRETE TILT-UP PANEL ACCENT COLOR: SW 2850 CHELSEA GRAY
- PAINTED CONCRETE TILT-UP PANEL ACCENT COLOR: SW 7068 GRIZZLE GRAY
- PRE-FINISHED METAL PANEL: ALPOLIC CVG GREY
- 24"x36" CERAMIC TILE: CROSSVILLE "NOTORIOUS" FILM NOIR. FINISH: HON - HONED. NTR06.12436HON
- 24"x36" CERAMIC TILE: CROSSVILLE "NOTORIOUS" FILM NOIR. FINISH: UPS - UNPOLISHED. NTR06.12436UPS

ELEVATION KEY NOTES:

- NOT ALL KEYNOTES ARE USED ON THIS SHEET
- CONCRETE TILT-UP PANEL JOINT
 - 1/4" GROOVE REVEAL IN CONCRETE TILT-UP PANEL
 - PAINTED METAL MAN DOOR
 - STOREFRONT SYSTEM
 - METAL STUD FRAMED CANOPY WITH PREFORMED ALUMINUM PANEL SYSTEM
 - WALL MOUNTED LIGHT FIXTURE
 - 12'X14' PAINTED GRADE LEVEL DOOR
 - ROOF DRAIN AND OVERFLOW
 - PAINTED DOCK NUMBER
 - CERAMIC TILE
 - 1" HORIZONTAL REVEAL IN TILT UP PANEL
 - FUTURE SEPARATE SIGN (NOT INCLUDED IN THIS APPLICATION)
 - ROOFTOP HVAC EQUIPMENT - QUANTITY, SIZES AND LOCATIONS SHOWN FOR REFERENCE ONLY. SCREENS TO BE OMITTED WHEN EQUIPMENT IS SCREENED BY BUILDING ELEMENT OR PARAPET.

SHEET: A300 - EXTERIOR ELEVATIONS		CITY OF SAN MARCOS	
SITE DEVELOPMENT PLAN NUMBER: SDP22-0002			
OWNER: HUGHES CIRCUITS, INC		PHONE: 760-744-0300	
ADDRESS: SOUTHEAST CORNER OF SOUTH PACIFIC STREET			
ARCHITECT:	SCA ARCHITECTURE	PHONE: 858-793-4777	
ENGINEER DESIGNER:	13280 EVENING CREEK DR. NO. 125	CONTACT: NORMAN BARRETT	
ADDRESS: NE CORNER OF SOUTH PACIFIC ST.		LOCATION:	
TYPE OF DEVELOPMENT: SITE DEVELOPMENT PLAN		ASSESSOR'S PARCEL NUMBERS: 219-223-2000	
ZONE: L4 (LIGHT MANUFACTURING)			
SITE DATA:			
AREA (sq. ft.): 113,691 S.F.	FAR: .59	DWELLING UNITS:	OPEN SPACE:
LOT: 113,691 S.F. (2.61 AC)		STUDIO:	COMMON:
BUILDING: 67,410 S.F.		1 BDRM:	PRIVATE:
PARKING: 72 STALLS		2 BDRM:	
LOADING: 4 STALLS		3 BDRM:	
LANDSCAPING: 24,431 S.F. (21%)		TOTAL UNITS:	
PARKING:		DRIVEWAY (SIZE AND SLOPE):	
GARAGE: n/a	LOADING: n/a	ONE WAY:	FRONT: REAR:
COVERED: 0	HANDICAP: 4	TWO WAY:	LEFT SIDE: RIGHT SIDE:
OPEN: 72	TOTAL: 72	SLOPE:	

SITE DEVELOPMENT PLAN APPLICATION FOR:

HUGHES CIRCUITS

NE CORNER SOUTH PACIFIC STREET
SAN MARCOS, CALIFORNIA 92078

Revision Dates

Issue Dates

Planning Dept.	01/31/2022
Planning Dept.	06/10/2022
Planning Dept.	08/03/2022
Bid Set	-
Permit Set	-
Construction Set	-
Drawing Date	08/03/2022
Check By	NDB
Drawn By	NDB
Scale	SEE PLAN
Job Number	21019.S01
Sheet Number	

A300



A South (Street) Elevation



B East Elevation



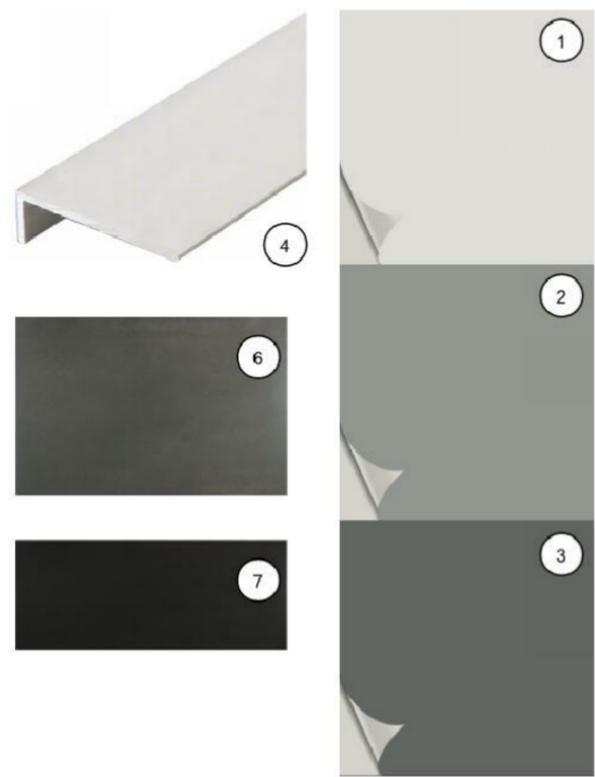
C West (Street) Elevation



D North Elevation

SEE SHEET A300 FOR ADDITIONAL INFORMATION

- 1 Painted concrete tilt-up panel
Color: SW 6000 SNOWFALL
- 2 Painted concrete tilt-up panel
Color: SW 2850 CHELSEA GRAY
- 3 Painted concrete tilt-up panel
Color: SW 7068 GRIZZLE GRAY
- 4 Storefront window system w/ 1" Insulated glass
Glass color: PPG SOLARBLUE
Aluminum color: CLEAR ANODIZED
- 5 Metal panel clad canopy
Color: ALPOLIC CVG GREY
- 6 24x36 ceramic tile - honed
Color: CROSSVILLE "NOTORIOUS" FILM NOIR
- 7 24x36 ceramic accent tile - polished
Color: CROSSVILLE "NOTORIOUS" FILM NOIR

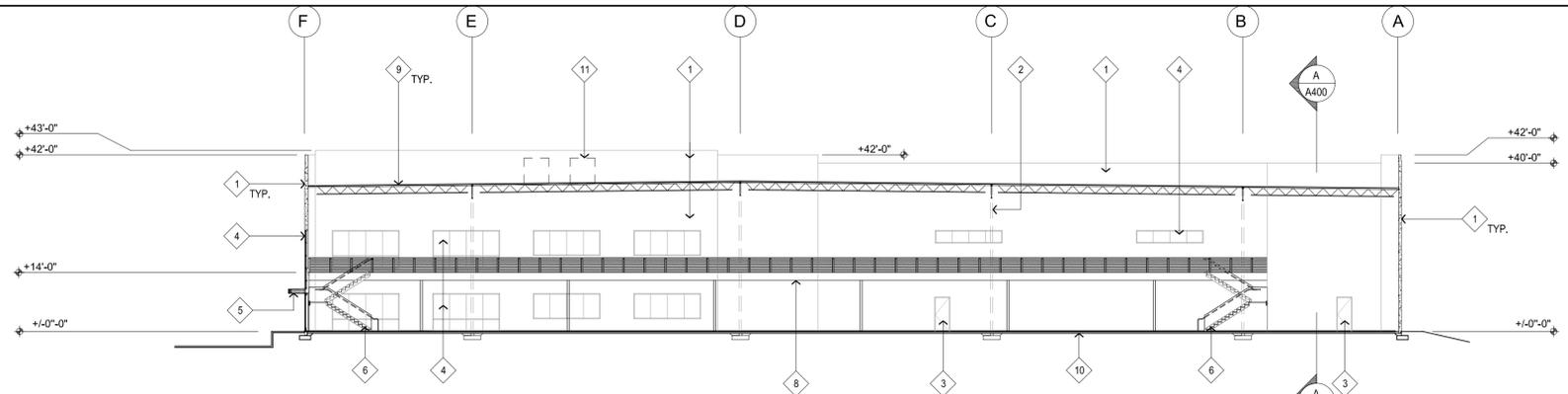


SITE DEVELOPMENT PLAN APPLICATION FOR:
HUGHES CIRCUITS
 NE CORNER SOUTH PACIFIC STREET
 SAN MARCOS, CALIFORNIA 92078

Revision Dates	

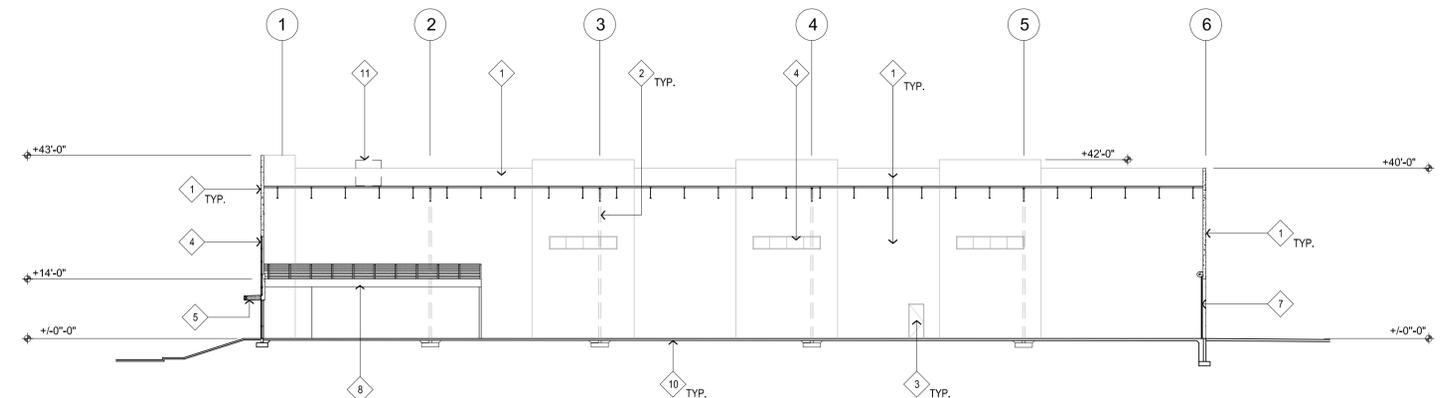
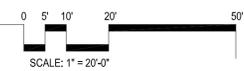
Issue Dates	
Planning Dept.	01/31/2022
Planning Dept.	06/10/2022
Planning Dept.	08/03/2022
Bid Set	-
Permit Set	-
Construction Set	-
Drawing Date	08/03/2022
Check By	NDB
Drawn By	NDB
Scale	SEE PLAN
Job Number	21019.S01
Sheet Number	

SHEET: A301 - EXTERIOR ELEVATIONS		CITY OF SAN MARCOS	
SITE DEVELOPMENT PLAN NUMBER: SDP22-0002			
OWNER: HUGHES CIRCUITS, INC		PHONE: 760-744-0300	
ADDRESS: SOUTHEAST CORNER OF SOUTH PACIFIC STREET			
ARCHITECT:	SCA ARCHITECTURE	PHONE:	858-793-4777
ENGINEER DESIGNER:	13280 EVENING CREEK DR. NO. 125	CONTACT:	NORMAN BARRETT
ADDRESS: NE CORNER OF SOUTH PACIFIC ST.		LOCATION:	
TYPE OF DEVELOPMENT: SITE DEVELOPMENT PLAN			
ZONE: L4 (LIGHT MANUFACTURING)		ASSESSOR'S PARCEL NUMBERS: 219-223-2000	
SITE DATA:			
AREA (sq. ft.): 113,691 S.F.	FAR: .59	STUDIO:	COMMON: PRIVATE:
LOT: 113,691 S.F. (2.61 AC)		1 BDRM:	n/a
BUILDING: 67,410 S.F.		2 BDRM:	n/a
PARKING: 72 STALLS		3 BDRM:	n/a
LOADING: 4 STALLS			
LANDSCAPING: 24,431 S.F. (21%)		TOTAL UNITS:	
PARKING:		DRIVEWAY (SIZE AND SLOPE):	
GARAGE: n/a	LOADING: n/a	ONE WAY:	FRONT: REAR:
COVERED: 0	HANDICAP: 4	TWO WAY:	LEFT SIDE:
OPEN: 72	TOTAL: 72	SLOPE:	RIGHT SIDE:



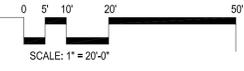
A BUILDING SECTION A-A

SCALE: 1" = 20'-0"



B SECTION B-B

SCALE: 1" = 20'-0"



SECTION KEY NOTES:

NOT ALL KEYNOTES ARE USED ON THIS SHEET

- 1 CONCRETE TILT-UP PANEL
- 2 STEEL COLUMN AND CONCRETE FOOTING
- 3 PAINTED METAL MAN DOOR
- 4 STOREFRONT SYSTEM
- 5 METAL STUD FRAMED CANOPY WITH PREFORMED ALUMINUM PANEL SYSTEM
- 6 STAIRS TO MEZZANINE
- 7 12'X14' PAINTED GRADE LEVEL DOOR
- 8 MEZZANINE WITH HANDRAIL
- 9 ROOF STRUCTURE
- 10 CONCRETE SLAB ON GRADE
- 11 ROOFTOP HVAC EQUIPMENT - QUANTITY, SIZES AND LOCATIONS SHOWN FOR REFERENCE ONLY. SCREENS TO BE OMITTED WHEN EQUIPMENT IS SCREENED BY BUILDING ELEMENT OR PARAPET.

SITE DEVELOPMENT PLAN APPLICATION FOR:
HUGHES CIRCUITS

NE CORNER SOUTH PACIFIC STREET
 SAN MARCOS, CALIFORNIA 92078

Revision Dates

NO.	DATE	DESCRIPTION

Issue Dates

Planning Dept.	01/31/2022
Planning Dept.	06/10/2022
Planning Dept.	08/03/2022
Bid Set	-
Permit Set	-
Construction Set	-
Drawing Date	08/03/2022
Check By	NDB
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Scale	SEE PLAN
Job Number	21019.S01
Sheet Number	

SHEET: A300 - EXTERIOR ELEVATIONS		CITY OF SAN MARCOS	
SITE DEVELOPMENT PLAN NUMBER: SDP22-0002			
OWNER: HUGHES CIRCUITS, INC		PHONE: 760-744-0300	
ADDRESS: SOUTHEAST CORNER OF SOUTH PACIFIC STREET			
ARCHITECT: SCA ARCHITECTURE		PHONE: 858-793-4777	
ENGINEER DESIGNER: 13280 EVENING CREEK DR. NO. 125		CONTACT: NORMAN BARRETT	
ADDRESS: NE CORNER OF SOUTH PACIFIC ST.		LOCATION:	
TYPE OF DEVELOPMENT: SITE DEVELOPMENT PLAN			
ZONE: L4 (LIGHT MANUFACTURING)		ASSESSOR'S PARCEL NUMBERS: 219-223-2000	
SITE DATA:			
AREA (sq. ft.): 113,691 S.F.	FAR: .59	STUDIO:	COMMON: PRIVATE:
LOT: 113,691 S.F. (2.61 AC)		1 BDRM:	n/a
BUILDING: 67,410 S.F.		2 BDRM:	n/a
PARKING: 72 STALLS		3 BDRM:	n/a
LOADING: 4 STALLS			
LANDSCAPING: 24,431 S.F. (21%)		TOTAL UNITS:	
PARKING:		DRIVEWAY (SIZE AND SLOPE):	
GARAGE: n/a	LOADING: n/a	ONE WAY:	FRONT: REAR:
COVERED: 0	HANDICAP: 4	TWO WAY:	LEFT SIDE:
OPEN: 72	TOTAL: 72	SLOPE:	RIGHT SIDE:

3RD SDP SUBMITTAL 2022.08.16

A400

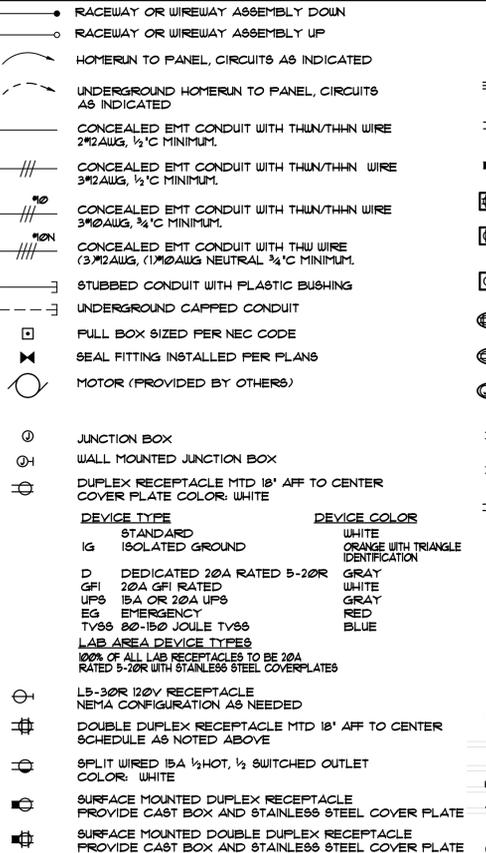
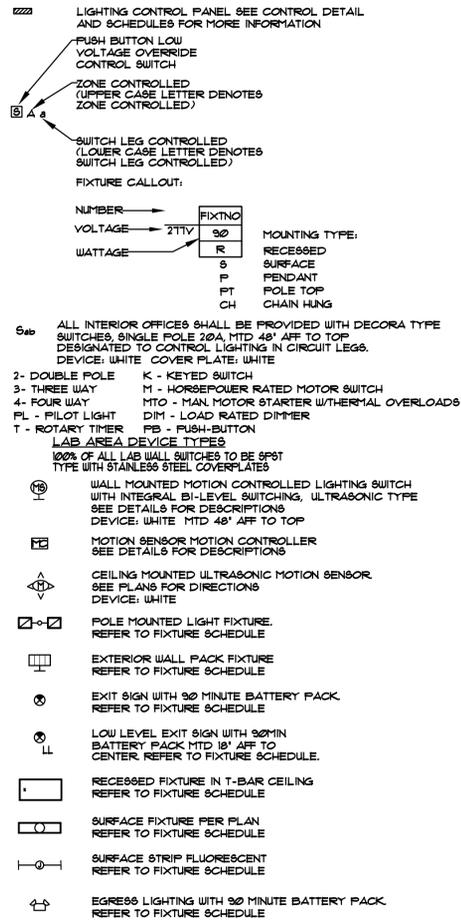
Sheet Number	Sheet Title
E001	NOTE SHEET
E002	LIGHTING DETAIL SHEET
E201	SITE PLAN LIGHTING PHOTOMETRICS

SHEET INDEX

- ALL CONDUCTORS SHALL BE STRANDED COPPER FOR SIZES ABOVE #10AWG. CONDUCTORS #10AWG AND SMALLER SHALL BE SOLID. AC CABLE IS NOT ALLOWED AND SHALL NOT BE INSTALLED. AN EQUIPMENT GROUND CONDUCTOR SHALL BE INSTALLED IN ALL FLEXIBLE CONDUITS. ALL BRANCH CIRCUITS SHALL BE INSTALLED WITH A GREEN GROUND CONDUCTOR.
- ELECTRICAL CONTRACTOR TO REVIEW OTHER DISCIPLINE DRAWINGS AND INDICATE CONFLICTS OF CONDUIT ROUTING, UNDERGROUND COORDINATION AND CEILING HEIGHT CONFLICTS.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF EXISTING SPACES ADJACENT TO WORK DURING THE COURSE OF DEMOLITION AND NEW WORK. ALL REPAIRS OF DAMAGED AREAS ARE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- ALL ELECTRICAL DEVICES, EQUIPMENT, AND LIGHT FIXTURES SHALL BE INSTALLED PER CALIFORNIA A.D.A. REQUIREMENTS.
- ALL ELECTRICAL AND TEL/DATA CONDUIT AND RELATED FITTINGS SHALL BE CONCEALED. ANY LOCATIONS IN PUBLIC VIEW SHALL BE BROUGHT TO THE ATTENTION OF THE ELECTRICAL ENGINEER AND APPROVED PRIOR TO INSTALLATION. ALL CONDUIT RUNS SHOWN ARE DIAGRAMMATIC. COORDINATE ALL CONDUIT RUNS WITH OTHER DISCIPLINES.
- ELECTRICAL WORK INSTALLED UNDER THIS PERMIT TO COMPLY WITH 2014 CALIFORNIA ELECTRICAL CODE, LOCAL AND STATE ENERGY STANDARDS AND ALL OTHER APPLICABLE CODES.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL WEATHERPROOF DEVICES, JUNCTION BOXES, FITTINGS, CONDUIT AND FULLBOXES AT ALL DAMP AND WET LOCATIONS.
- ELECTRICAL CONTRACTOR SHALL COORDINATE REQUIRED ELECTRICAL SHUTDOWNS WITH OWNER 7 DAYS PRIOR TO SHUTDOWN. ALL SCHEDULED UTILITY SHUTDOWNS SHOULD BE SCHEDULED FOR AFTER HOURS WORK FOR OCCUPIED BUILDINGS. THE CONTINUITY OF POWER FOR AREAS OUTSIDE THE PERMITTED WORK SHALL BE MAINTAINED UNLESS A SHUTDOWN IS SCHEDULED.
- ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS PRIOR TO BID COMPLETION.
- ELECTRICAL CONTRACTOR SHALL COORDINATE REQUIRED UTILITY METER APPLICATIONS AND 889197 OWNER FOR PROPER METER RELEASE SCHEDULE.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL REQUIRED MATERIALS FOR JOB COMPLETION. ELECTRICAL CONTRACTOR SHALL COORDINATE PROCUREMENT OF LONG LEAD ITEMS, AND COORDINATE STORAGE OF MATERIALS TO AVOID DAMAGE PRIOR TO INSTALLATION.
- ALL EMPTY CONDUITS ARE TO BE PROVIDED WITH FULL ROPES. LABEL EACH END OF CONDUIT TO INDICATE EXACT DESTINATION.
- ELECTRICAL PANELS SHALL NOT BE LOCATED WITHIN FIRE-RATED CORRIDORS.
- ALL MATERIALS USED UNDER THIS PERMIT SHALL BE NEW AND BEAR THE APPROPRIATE UL LABEL. USED OR RE-CONDITIONED MATERIALS ARE PROHIBITED.
- ALL PERMANENTLY INSTALLED EQUIPMENT SHALL BEAR A UL LABEL OR NATIONALLY RECOGNIZED TESTING AGENCY CERTIFICATION.
- PROVIDE AND INSTALL CLEAR ADHESIVE LABELS INDICATING PANEL AND CIRCUIT NUMBER ON ALL OUTLETS AND SWITCHES, LETTER HEIGHT TO BE 1/4".
- ALL FLUORESCENT FIXTURES FOR INTERIOR TYPE OR EXTERIOR TYPE WITH DOUBLE-ENDED LAMPS SHALL BE PROVIDED WITH A FACTORY DISCONNECTING MEANS TO DISCONNECT ALL CONDUCTORS OF THE FIXTURE BALLAST PER NEC 410.13(G).
- PROVIDE 120V CONNECTION TO DOOR HARDWARE/CONTROLLER AS REQUIRED. COORDINATE FINAL REQUIREMENTS WITH HARDWARE AND SECURITY VENDORS.
- ALL SYSTEMS FURNITURE CIRCUITS AND HOMERUNS TO BE PROVIDED WITH DEDICATED NEUTRAL CONDUCTORS PER CIRCUIT.
- ALL MULTIWIRE BRANCH CIRCUITS SHALL BE INSTALLED WITH DEDICATED NEUTRALS ROUTED IN HOMERUN TO THE PANEL FOR EACH CIRCUIT BEING UTILIZED PER NEC 2014 SECTION 210.4(b).
- ALL OUTLET DEVICES TO HAVE CLEAR ADHESIVE LABEL INDICATING PANEL AND CIRCUIT NUMBER ON INSIDE OF BOX AND OUTSIDE OF COVERPLATE.

GENERAL NOTES

LIGHTING SYMBOLS



POWER SYMBOLS

NOTE SHEET

BEACON
VIPER L
LARGE VIPER LUMINAIRE

FEATURES

- Large size comparison to Viper Small
- Wide choice of different LED wattage configurations
- Ten optical distributions
- Designed to replace HID lighting up to 1000W MH or HPS
- Substitue for wet locations

CONTROL TECHNOLOGY

CONTROLLED BY: NX, WISCAPE, energen, SiteSunc

SPECIFICATIONS

CONSTRUCTION

- Corrosion resistant die-cast aluminum housing with powder coat paint finish rated for 1000 hour salt spray
- Exterior hardware is corrosion resistant
- Castings are held together with internal brass standoffs soldered to the board so that it can be field replaced as a one-piece optical system
- One-piece silicone gasket ensures a weatherproof seal around each individual optic
- One-piece optical cartridge system consisting of an LED engine, optics, gasket and stainless steel bezel

OPTICS

- Luminaire accepts 100V through 277V, 347V or 480V input (50 Hz to 60 Hz (L/N))
- Power factor is > .90 at full load
- Dimming drivers are standard, 0-10V dimming knobs available for use with control devices (provided by others)
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is certified by UL for use at 600VAC at 90°C or higher
- Plug disconnects are certified by UL for use at 600V AC, 15A or higher, 15A wiring applies to primary (L/C) side only

ELECTRICAL (CONTINUED)

- Future electrical compartment contains all LED driver components
- Optional 7-pin ANSI C136.41 2013 Tais-Lite® photo control receptacle available. Compliant with ANSI C136.41 external wireless control devices
- Ambient operating temperature -40°C to 25°C
- Surge protection: 20kA
- LifeShield® Circuit (see Electrical Data)

INSTALLATION

- Mounting options for horizontal arm, vertical tenon or traditional arm mounting available. Mounting hardware included
- Available with Enclosed for optional set dimming, timed dimming with simple delay, or timed dimming based on time of night

CONTROLLED (CONTINUED)

- In addition, Viper can be specified with 3000°C wireless control system for reduction in energy and maintenance costs while optimizing light quality 24/7

KEY DATA

Lumen Range	14,233-39,969
Wattage Range	64-395
Efficiency Range (LPW)	98-125
Reported Life (Hours)	170-37,000
Input Current Range (Amps)	0.3-4.0

DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

RELATED PRODUCTS

Viper Small

CERTIFICATIONS

- ULC (Designlights Consortium) Qualified. Please refer to the UL website for specific product qualifications at www.designlights.org
- Certified to UL 1598 and UL 8750
- 35 rated for ANSI C136.31 high vibration applications with full-mounting
- This product is approved by the Florida Fish and Wildlife Conservation Commission. Specific application available.
- This product qualifies as a "designated country construction material" per FAR 22.225-11 Buy American-Construction Materials under Trade Agreements effective 06/03/2020. See Buy American Solutions.

WARRANTY

- 5 year warranty
- See HLI Commercial and Industrial Outdoor Lighting Warranty for additional information.

Hubbell Lighting

BEACON
VIPER L
LARGE VIPER LUMINAIRE

ORDERING GUIDE

Example: VPL-96L-280-487-4W-UVV-A-DT-GEN-04-BC

VPL	LEDING	SELEC	FINISH/TYPE	FINISH	ARM	OPTIC
VPL - Viper Large	96L-96W 280W LED array 96L-180 180W LED array 96L-280 280W LED array 96L-320 320W LED array 96L-395 395W LED array	967 300K, 30°C 467 400K, 30°C 507 500K, 30°C	1 Type 1 Round 2 Type 2 3 Type 3 4 (4) 48" Type 4 5 Type 5 6 Type 6 7 Type 7 8 Type 8 9 Type 9 10 Type 10 11 Type 11 12 Type 12 13 Type 13 14 Type 14 15 Type 15 16 Type 16 17 Type 17 18 Type 18 19 Type 19 20 Type 20 21 Type 21 22 Type 22 23 Type 23 24 Type 24 25 Type 25 26 Type 26 27 Type 27 28 Type 28 29 Type 29 30 Type 30 31 Type 31 32 Type 32 33 Type 33 34 Type 34 35 Type 35 36 Type 36 37 Type 37 38 Type 38 39 Type 39 40 Type 40 41 Type 41 42 Type 42 43 Type 43 44 Type 44 45 Type 45 46 Type 46 47 Type 47 48 Type 48 49 Type 49 50 Type 50 51 Type 51 52 Type 52 53 Type 53 54 Type 54 55 Type 55 56 Type 56 57 Type 57 58 Type 58 59 Type 59 60 Type 60 61 Type 61 62 Type 62 63 Type 63 64 Type 64 65 Type 65 66 Type 66 67 Type 67 68 Type 68 69 Type 69 70 Type 70 71 Type 71 72 Type 72 73 Type 73 74 Type 74 75 Type 75 76 Type 76 77 Type 77 78 Type 78 79 Type 79 80 Type 80 81 Type 81 82 Type 82 83 Type 83 84 Type 84 85 Type 85 86 Type 86 87 Type 87 88 Type 88 89 Type 89 90 Type 90 91 Type 91 92 Type 92 93 Type 93 94 Type 94 95 Type 95 96 Type 96 97 Type 97 98 Type 98 99 Type 99 100 Type 100	100 100-100 101 100-100 102 100-100 103 100-100 104 100-100 105 100-100 106 100-100 107 100-100 108 100-100 109 100-100 110 100-100 111 100-100 112 100-100 113 100-100 114 100-100 115 100-100 116 100-100 117 100-100 118 100-100 119 100-100 120 100-100 121 100-100 122 100-100 123 100-100 124 100-100 125 100-100 126 100-100 127 100-100 128 100-100 129 100-100 130 100-100 131 100-100 132 100-100 133 100-100 134 100-100 135 100-100 136 100-100 137 100-100 138 100-100 139 100-100 140 100-100 141 100-100 142 100-100 143 100-100 144 100-100 145 100-100 146 100-100 147 100-100 148 100-100 149 100-100 150 100-100 151 100-100 152 100-100 153 100-100 154 100-100 155 100-100 156 100-100 157 100-100 158 100-100 159 100-100 160 100-100 161 100-100 162 100-100 163 100-100 164 100-100 165 100-100 166 100-100 167 100-100 168 100-100 169 100-100 170 100-100 171 100-100 172 100-100 173 100-100 174 100-100 175 100-100 176 100-100 177 100-100 178 100-100 179 100-100 180 100-100 181 100-100 182 100-100 183 100-100 184 100-100 185 100-100 186 100-100 187 100-100 188 100-100 189 100-100 190 100-100 191 100-100 192 100-100 193 100-100 194 100-100 195 100-100 196 100-100 197 100-100 198 100-100 199 100-100 200 100-100	100 100-100 101 100-100 102 100-100 103 100-100 104 100-100 105 100-100 106 100-100 107 100-100 108 100-100 109 100-100 110 100-100 111 100-100 112 100-100 113 100-100 114 100-100 115 100-100 116 100-100 117 100-100 118 100-100 119 100-100 120 100-100 121 100-100 122 100-100 123 100-100 124 100-100 125 100-100 126 100-100 127 100-100 128 100-100 129 100-100 130 100-100 131 100-100 132 100-100 133 100-100 134 100-100 135 100-100 136 100-100 137 100-100 138 100-100 139 100-100 140 100-100 141 100-100 142 100-100 143 100-100 144 100-100 145 100-100 146 100-100 147 100-100 148 100-100 149 100-100 150 100-100 151 100-100 152 100-100 153 100-100 154 100-100 155 100-100 156 100-100 157 100-100 158 100-100 159 100-100 160 100-100 161 100-100 162 100-100 163 100-100 164 100-100 165 100-100 166 100-100 167 100-100 168 100-100 169 100-100 170 100-100 171 100-100 172 100-100 173 100-100 174 100-100 175 100-100 176 100-100 177 100-100 178 100-100 179 100-100 180 100-100 181 100-100 182 100-100 183 100-100 184 100-100 185 100-100 186 100-100 187 100-100 188 100-100 189 100-100 190 100-100 191 100-100 192 100-100 193 100-100 194 100-100 195 100-100 196 100-100 197 100-100 198 100-100 199 100-100 200 100-100	

DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

REVISION DATES

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

ISSUE DATES

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Hubbell Lighting

BEACON
VIPER L
LARGE VIPER LUMINAIRE

ORDERING GUIDE

Example: VPL-96L-280-487-4W-UVV-A-DT-GEN-04-BC

VPL	LEDING	SELEC	FINISH/TYPE	FINISH	ARM	OPTIC
VPL - Viper Large	96L-96W 280W LED array 96L-180 180W LED array 96L-280 280W LED array 96L-320 320W LED array 96L-395 395W LED array	967 300K, 30°C 467 400K, 30°C 507 500K, 30°C	1 Type 1 Round 2 Type 2 3 Type 3 4 (4) 48" Type 4 5 Type 5 6 Type 6 7 Type 7 8 Type 8 9 Type 9 10 Type 10 11 Type 11 12 Type 12 13 Type 13 14 Type 14 15 Type 15 16 Type 16 17 Type 17 18 Type 18 19 Type 19 20 Type 20 21 Type 21 22 Type 22 23 Type 23 24 Type 24 25 Type 25 26 Type 26 27 Type 27 28 Type 28 29 Type 29 30 Type 30 31 Type 31 32 Type 32 33 Type 33 34 Type 34 35 Type 35 36 Type 36 37 Type 37 38 Type 38 39 Type 39 40 Type 40 41 Type 41 42 Type 42 43 Type 43 44 Type 44 45 Type 45 46 Type 46 47 Type 47 48 Type 48 49 Type 49 50 Type 50 51 Type 51 52 Type 52 53 Type 53 54 Type 54 55 Type 55 56 Type 56 57 Type 57 58 Type 58 59 Type 59 60 Type 60 61 Type 61 62 Type 62 63 Type 63 64 Type 64 65 Type 65 66 Type 66 67 Type 67 68 Type 68 69 Type 69 70 Type 70 71 Type 71 72 Type 72 73 Type 73 74 Type 74 75 Type 75 76 Type 76 77 Type 77 78 Type 78 79 Type 79 80 Type 80 81 Type 81 82 Type 82 83 Type 83 84 Type 84 85 Type 85 86 Type 86 87 Type 87 88 Type 88 89 Type 89 90 Type 90 91 Type 91 92 Type 92 93 Type 93 94 Type 94 95 Type 95 96 Type 96 97 Type 97 98 Type 98 99 Type 99 100 Type 100	100 100-100 101 100-100 102 100-100 103 100-100 104 100-100 105 100-100 106 100-100 107 100-100 108 100-100 109 100-100 110 100-100 111 100-100 112 100-100 113 100-100 114 100-100 115 100-100 116 100-100 117 100-100 118 100-100 119 100-100 120 100-100 121 100-100 122 100-100 123 100-100 124 100-100 125 100-100 126 100-100 127 100-100 128 100-100 129 100-100 130 100-100 131 100-100 132 100-100 133 100-100 134 100-100 135 100-100 136 100-100 137 100-100 138 100-100 139 100-100 140 100-100 141 100-100 142 100-100 143 100-100 144 100-100 145 100-100 146 100-100 147 100-100 148 100-100 149 100-100 150 100-100 151 100-100 152 100-100 153 100-100 154 100-100 155 100-100 156 100-100 157 100-100 158 100-100 159 100-100 160 100-100 161 100-100 162 100-100 163 100-100 164 100-100 165 100-100 166 100-100 167 100-100 168 100-100 169 100-100 170 100-100 171 100-100 172 100-100 173 100-100 174 100-100 175 100-100 176 100-100 177 100-100 178 100-100 179 100-100 180 100-100 181 100-100 182 100-100 183 100-100 184 100-100 185 100-100 186 100-100 187 100-100 188 100-100 189 100-100 190 100-100 191 100-100 192 100-100 193 100-100 194 100-100 195 100-100 196 100-100 197 100-100 198 100-100 199 100-100 200 100-100	100 100-100 101 100-100 102 100-100 103 100-100 104 100-100 105 100-100 106 100-100 107 100-100 108 100-100 109 100-100 110 100-100 111 100-100 112 100-100 113 100-100 114 100-100 115 100-100 116 100-100 117 100-100 118 100-100 119 100-100 120 100-100 121 100-100 122 100-100 123 100-100 124 100-100 125 100-100 126 100-100 127 100-100 128 100-100 129 100-100 130 100-100 131 100-100 132 100-100 133 100-100 134 100-100 135 100-100 136 100-100 137 100-100 138 100-100 139 100-100 140 100-100 141 100-100 142 100-100 143 100-100 144 100-100 145 100-100 146 100-100 147 100-100 148 100-100 149 100-100 150 100-100 151 100-100 152 100-100 153 100-100 154 100-100 155 100-100 156 100-100 157 100-100 158 100-100 159 100-100 160 100-100 161 100-100 162 100-100 163 100-100 164 100-100 165 100-100 166 100-100 167 100-100 168 100-100 169 100-100 170 100-100 171 100-100 172 100-100 173 100-100 174 100-100 175 100-100 176 100-100 177 100-100 178 100-100 179 100-100 180 100-100 181 100-100 182 100-100 183 100-100 184 100-100 185 100-100 186 100-100 187 100-100 188 100-100 189 100-100 190 100-100 191 100-100 192 100-100 193 100-100 194 100-100 195 100-100 196 100-100 197 100-100 198 100-100 199 100-100 200 100-100	

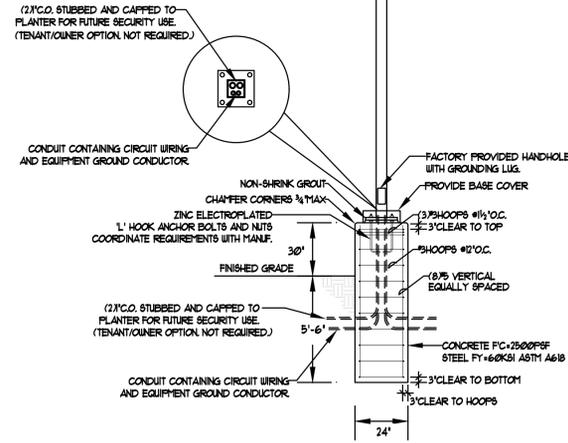
DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

REVISION DATES

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		

GENERAL NOTES:

- REFER TO MANUFACTURERS SPECIFICATIONS FOR EXACT INSTALLATION REQUIREMENTS.
- POLE BASE DETAIL FOR UP TO 30' POLE AND TWIN FIXTURE HEADS.
- ALL POLE BASES TO BE SMOOTH FINISH WITH TOP COATING, UNLESS NOTED OTHERWISE BY ARCHITECT.
- WHERE INSTALLED ON SLOPES, FOOTING TO BE 30" ABOVE GRADE AT BOTTOM OF SLOPE.



LIGHT POLE BASE DETAIL

3

FIXTURE TYPE	MANUFACTURER INFORMATION	FIXTURE DESCRIPTION	VOLT WATTS	LAMP
F1	COOPER LIGHTING GLEON-AA-03-LED-E1-T4-BZ-DIM	SINGLE HEAD LED SITE POLE TOP FIXTURE, 30" BASE AND 25' POLE HEIGHT, TYPE 4 DISTRIBUTION	UNV 180W	180W LED

LIGHTING NOTE:
CONFIRM ALL MOUNTING HEIGHT, LENGTHS AND FINISHES WITH ARCHITECT.

FIXTURE LIST

BUILDING LIGHTING SHUT-OFF
THE BUILDING LIGHTING SHUT-OFF SYSTEM CONSISTS OF AN AUTOMATIC TIME SWITCH, WITH A ZONE FOR EACH FLOOR, OR THE AUTOMATIC BUILDING SHUT-OFF SYSTEM IS PROVIDED WITH A MANUAL ACCESSIBLE OVERRIDE SWITCH IN SIGHT OF THE LIGHTS. THE AREA OF OVERRIDE IS NOT TO EXCEED 5,000 SQUARE FEET. LIGHTING OVERRIDE TO BE A MAXIMUM OF 2 HOURS.

OVERRIDE FOR BUILDING LIGHTING SHUT-OFF
THE AUTOMATIC BUILDING SHUT-OFF SYSTEM IS PROVIDED WITH A MANUAL ACCESSIBLE OVERRIDE SWITCH IN SIGHT OF THE LIGHTS. THE AREA OF OVERRIDE IS NOT TO EXCEED 5,000 SQUARE FEET. LIGHTING OVERRIDE TO BE A MAXIMUM OF 2 HOURS.

FLUORESCENT BALLAST AND LUMINAIRE CERTIFIED
ALL FLUORESCENT FIXTURES SUBJECT TO CERTIFICATION AND SPECIFIED FOR THE PROJECTS ARE CERTIFIED.

DEMAND RESPONSE
ALL NON-RESIDENTIAL BUILDINGS LARGER 10,000 SQFT BE CAPABLE OF:
AUTOMATICALLY RESPONDING TO A D.R. SIGNAL, SO THAT:
TOTAL ENERGY USE FOR LIGHTING CAN AUTOMATICALLY DROP TO A LEVEL AT LEAST 15% BELOW THE BUILDING'S MAXIMUM TOTAL LIGHTING POWER
-LIGHTING IS REDUCED IN A MANNER CONSISTENT WITH REQUIREMENTS FOR UNIFORM ILLUMINATION LEVELS (LISTED IN TABLE 1301-A)

AUTOMATIC CONTROL DEVICES CERTIFIED
ALL AUTOMATIC CONTROL DEVICES SPECIFIED ARE CERTIFIED, ALL ALTERNATE EQUIPMENT SHALL BE CERTIFIED AND INSTALLED AS DIRECTED BY THE MANUFACTURER.

OCCUPANT-SENSING LIGHTING CONTROLS
OFFICES EQUAL OR UNDER THAN 2500SQFT
-CONFERENCE ROOMS OF ANY SIZE
-MULTIPURPOSE ROOMS UNDER 10000SQFT
-CLASSROOMS OF ANY SIZE
-SECONDARY SPACES
-INDOOR PARKING AREAS
INDOOR PARKING AREAS, INCLUDING PARKING GARAGES, AND SECONDARY SPACES ARE NEW ADDITIONS

SECONDARY SPACES
UNDER THE 2019 CODE, OCCUPANT-SENSING CONTROLS MUST AUTOMATICALLY REDUCE LIGHTING POWER BY 50% IN THESE AREAS WHEN THEY ARE UNOCCUPIED:
-CORRIDORS AND STAIRWELLS
-WAREHOUSE AISLES AND OPEN AREAS
-LIBRARY BOOK STACK AISLES 10 FT IN LENGTH AND ACCESSIBLE FROM ONLY ONE END AND THOSE 20 FT IN LENGTH AND ACCESSIBLE FROM BOTH ENDS

INDIVIDUAL ROOMS IN AREAS LARGER THAN 1000FT MUST:
-INCORPORATE MULTI-LEVEL LIGHTING CONTROLS OR CONTINUOUS DIMMING, DEPENDING ON THE LAMP TYPE
-MEET THE UNIFORMITY REQUIREMENTS IN TABLE 1301-A
-HAVE AT LEAST ONE OF THE FOLLOWING TYPES OF CONTROLS FOR EACH LUMINAIRE:
-MANUAL CONTINUOUS DIMMING AND ON / OFF CONTROL (SECTION 1301(A))
-LUMEN MAINTENANCE (SECTION 1001)
-TUNING (SECTION 1001)
-AUTOMATIC DAYLIGHTING CONTROLS (SECTION 1301(D))
-DEMAND RESPONSE CONTROLS (SECTION 1301(E))

DAYLIT AREA CONTROL
ALL ROOMS WITH WINDOWS AND SKYLIGHTS, THAT ARE GREATER THAN 250 SQUARE FEET, AND THAT ALLOW FOR THE EFFECTIVE USE OF DAYLIGHT IN THE AREA SHALL BE CAPABLE OF DIMMING IN THAT DAYLIT AREA.

OUTDOOR LIGHTING
LUMINAIRE MOUNTED LESS THAN 24 FEET ABOVE THE GROUND IN ADDITION TO PHOTOCONTROLS AND AUTOMATIC SCHEDULING, SECTION 1302(C) ALSO REQUIRES OCCUPANT-SENSING CONTROLS FOR CERTAIN OUTDOOR LIGHTING APPLICATIONS. NO MORE THAN 1500 W OF LIGHTING POWER MAY BE CONTROLLED TOGETHER FOR OUTDOOR LIGHTING OF THIS TYPE. AUTOMATIC LIGHTING CONTROLS FOR THESE LUMINAIRE MUST:
-UTILIZE MOTION SENSORS OR ANOTHER AUTOMATIC LIGHTING CONTROL SYSTEM, IN ADDITION TO PHOTOCONTROLS AND AUTOMATIC SCHEDULING CONTROLS (OR ASTRONOMICAL TIME-SWITCH CONTROLS)
-BE CAPABLE OF AUTOMATICALLY REDUCING THE LIGHTING POWER OF EACH LUMINAIRE BY AT LEAST 40%, BUT NOT MORE THAN 80%, OR PROVIDE CONTINUOUS DIMMING THROUGH A RANGE THAT INCLUDES 40 - 80%, DURING VACANT PERIODS
-SWITCH ON AUTOMATICALLY WHEN THE AREA BECOMES OCCUPIED

EXCEPTIONS
THESE TYPES OF LIGHTING CONSTITUTE EXCEPTIONS TO THE ABOVE REQUIREMENTS:
-POLE-MOUNTED LUMINAIRE WITH A MAXIMUM RATED WATTAGE OF 75W
-NON-POLE-MOUNTED LUMINAIRE WITH A MAXIMUM RATED WATTAGE OF 30W
-LINEAR LIGHTING WITH A MAXIMUM WATTAGE OF 4W PER LINEAR FOOT OF LUMINAIRE
-OUTDOOR SALES, FRONTAGE, LOTS AND CANOPIES

2019 TITLE 24 MANDATORY NOTES

2

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SITE DEVELOPMENT PLAN APPLICATION FOR:

HUGHES CIRCUITS

546 SOUTH PACIFIC STREET SAN MARCOS, CALIFORNIA 92078

Revision Dates

NO.	DATE	DESCRIPTION

Issue Dates

Planning Dept.	01/31/2022
Planning Dept.	06/10/2022
Plan Check	-
Bid Set	-
Permit Set	-
Construction Set	-

Drawing Date 06/07/2022

Check By AC

Drawn By DH

Scale SEE PLAN

Job Number 21019.S01

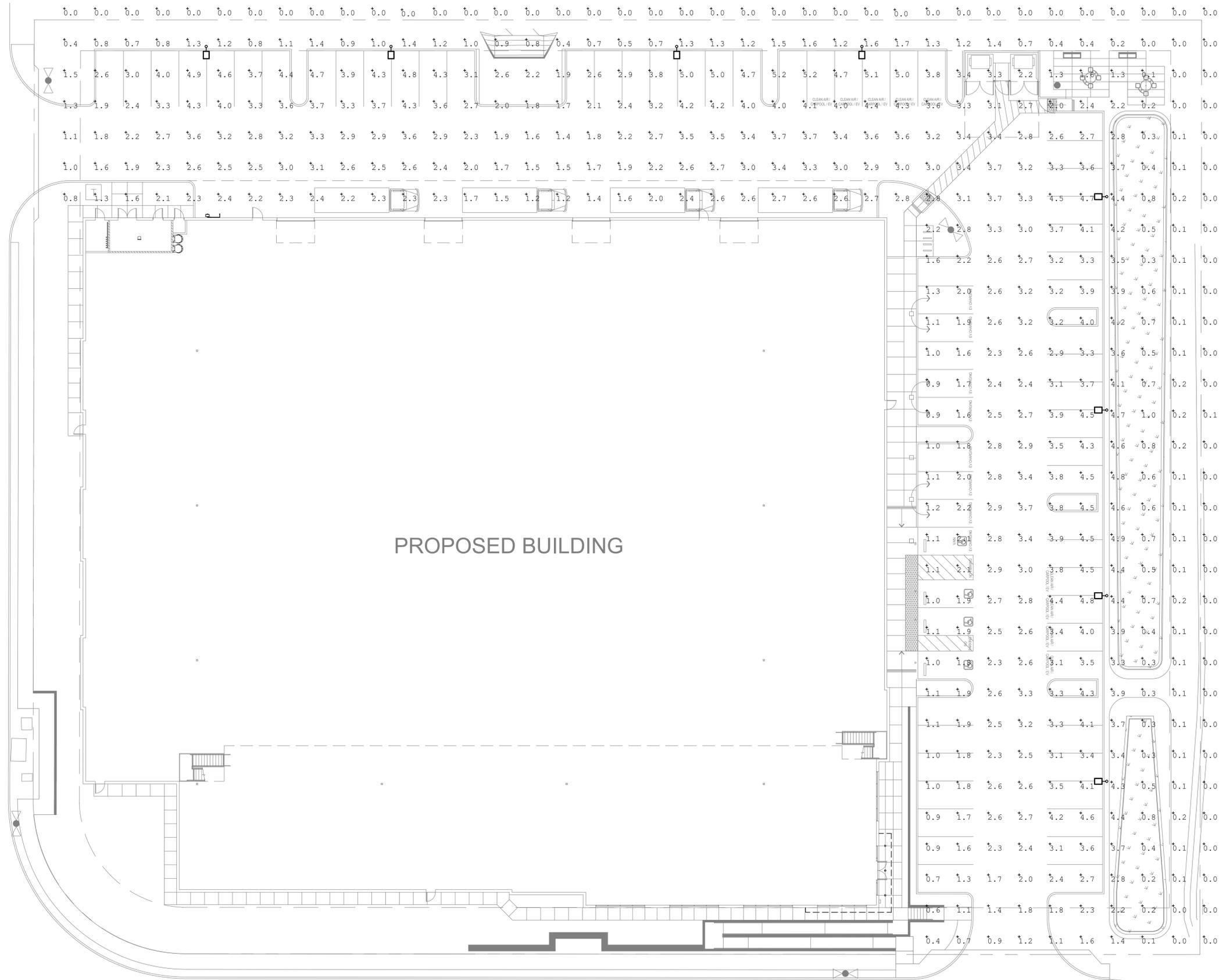
Sheet Number

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E002



PROPOSED BUILDING

SITE DEVELOPMENT PLAN APPLICATION FOR:
HUGHES CIRCUITS
 546 SOUTH PACIFIC STREET SAN
 MARCOS, CALIFORNIA 92078

Revision Dates

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