sixteen 5 hundred

Sixteen5Hundred Drawing Package

PRELIMINARY BID DRAWINGS

IF A CONTROLS SUBMITTAL IS NEEDED, PLEASE SUBMIT HFR PO, FIXTURE SUBMITTAL FOR CONSTRUCTION, AND E-SHEETS FOR CONSTRUCTION.

LC0.1	SYSTEM NOT
LC0.2	DETAILS & W
LC1.X SERIES	SYSTEM LAY
LC1.B	SYSTEM BAC

TES

VIRING DIAGRAMS

YOUTS

CKBONE

PREPARED BY:

16500 SALES:



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•	Ryan Guimond rguimond@16500.COM 510.645.2567
	XXXXXXXXXX XXXX@16500.COM 510.645.XXXX

General System Notes

ON DIGITAL SYSTEMS, ALL DEVICES TO BE CONNECTED IN A DAISY CHAIN PATTERN; LAST DEVICE SHALL NOT BE LOOPED BACK TO FIRST DEVICE.

ON DIGITAL SYSTEMS, CONTRACTOR SHALL NOTE AND LABEL ADDRESS AND LOCATION OF EACH DEVICE ON THE SYSTEM ONE-LINE DIAGRAMS OR SYSTEM LAYOUT DRAWINGS AT TIME OF INSTALLATION.

ONE-LINE DIAGRAMS INDICATE THE REQUIRED GROUPING OF WIRES, NOT THE NUMBER OR SIZE OF CONDUITS.

WIRING SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE (NEC) AND APPLICABLE LOCAL CODES, INCLUDING PROVISION OF EQUIPMENT GROUNDING AS REQUIRED BY THE NEC.

POWER CONDUCTORS SHALL BE SIZED PER THE NEC AMPACITY TABLES (ARTICLE 310), INCLUDING ADJUSTMENT FACTOR AND NEUTRAL CONDUCTOR REQUIREMENTS (FEED AND BRANCH NEUTRAL CONDUCTORS MUST BE COUNTED AS CURRENT CARRYING CONDUCTORS). RUN SEPARATE NEUTRAL CONDUCTORS FOR EACH LINE VOLTAGE/PHASE DIMMED LOAD.

FOR 0-10VDC DIMMING SYSTEMS, VIOLET AND GRAY CONDUCTORS ARE FOR 0-10VDC LOW VOLTAGE TERMINATIONS ONLY. NEVER TERMINATE LINE VOLTAGE (120/230/277VAC) TO VIOLET AND GRAY.

CONTRACTOR IS RESPONSIBLE FOR ALL CONTROL TERMINATIONS. NO SPLICES ARE PERMITTED IN CONTROL WIRING.

POWER AND CONTROL CONDUCTORS MUST NOT SHARE THE SAME RACEWAY OR CONDUIT EXCEPT WHERE SPECIALIZED CABLE TYPES ARE USED THAT SUPPORT SUCH INSTALLATIONS, AS SUPPORTED BY CABLE MANUFACTURER

LIGHTING CONTROL EQUIPMENT MUST BE INSTALLED, MAINTAINED, AND OPERATED IN AN "OFFICE CLEAN" DRY ENVIRONMENT, INDOOR DRY LOCATIONS ONLY, 10% - 90% RELATIVE HUMIDITY; AMBIENT TEMPERATURE 0°- 40°C (32°-104°F) - 0°- 35°C (32°- 95°F) RECOMMENDED.

SENSORS IN ELECTRICAL/MECHANICAL LOCATIONS NEED TO BE VERIFIED WITH AUTHORITY HAVING JURISDICTION. REFER TO NEC 110.26.D.

RELAY AND DIMMER PANEL SCHEDULES SHOULD CONTAIN BREAKER PANEL INPUTS AS WELL AS ZONES/AREAS CONTROLLED.

VERIFY MAXIMUM CABLE LENGTHS BASED ON CONTROL SYSTEM. MANUFACTURER IS NOT RESPONSIBLE FOR SYSTEMS EXCEEDING CABLING PARAMETERS.

LOW VOLTAGE CABLE MUST BE INSTALLED AT LEAST 12 INCHES FROM ALL LINE VOLTAGE CONDUCTORS EXCEPT TO CROSS OR MAKE TERMINATIONS. CAT. 5 CABLE MUST BE KEPT AWAY FROM ALL EMF DEVICES SUCH AS BALLASTS OR TRANSFORMERS

0-10V DIMMING BALLASTS AND DRIVERS ARE REQUIRED TO COMPLY WITH IEC 60929 ANNEX E SPECIFICATIONS.

Load Types

LINE VOLTAGE INCANDESCENT - NON-PHASE DEPENDENT FOR DIMMING.

MAGNETIC LOW VOLTAGE INCANDESCENT - ALLOWABLE IN FORWARD PHASE CONTROL MODE ONLY. TRANSFORMER MUST BE RATED FOR DIMMING BY ITS MANUFACTURER. ADD 25% TO LAMP WATTAGE TO ALLOW FOR TRANSFORMER LOSS AND TO CALCULATE TOTAL LOAD.

FLUORESCENT - ALLOWABLE WITH 2-WIRE BALLAST, 0-10VDC BALLASTS, SOME 3-WIRE AND SWITCHED DEPENDING ON SYSTEM COMPATIBILITY. VERIFY CONTROL TYPES WITH YOUR REGIONAL SUPPORT TEAM.

LED - DIMMING ALLOWED PER LED DRIVER MANUFACTURER SPECIFICATIONS. VERIFY CONTROL TYPES WITH YOUR **REGIONAL SUPPORT TEAM.**

NEON and COLD CATHODE - ALLOWABLE IN FORWARD PHASE CONTROL MODE ONLY. BALLAST MUST BE RATED FOR DIMMING BY ITS MANUFACTURER AND BE NORMAL (LOW) POWER FACTOR. CONNECTED LOAD MUST NOT EXCEED 50% OF THE DIMMER'S NOMINAL RATING.

MOTORS - NO DIMMING ALLOWED. SWITCHED CONTROL SOURCE ONLY.

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ELECTRONIC LOW VOLTAGE INCANDESCENT - ALLOWABLE, NORMALLY IN REVERSE PHASE CONTROL MODE ONLY, ELV TRANSFORMER MUST BE RATED FOR DIMMING BY ITS MANUFACTURER.

HID - DIMMING NOT ALLOWED UNLESS WITH DIMMABLE HID DRIVER. OTHERWISE, MUST BE ON SWITCHED CONTROL SOURCE.

EMERGENCY - PLEASE CONTACT YOUR REGIONAL SUPPORT TEAM TO VERIFY EMERGENCY CONTROLS NECESSARY BASED ON SYSTEM REQUIREMENTS.

ONE POWER PACK IS NEEDED PER CIRCUIT/ZONE T PACK PLACEMENT ON DRAWINGS IS FOR COUNTING CONTRACTOR/ENGINEER. PLEASE RECHECK COUN COMPLETE SYSTEM. THE MAXIMUM NUMBER OF POV YOU HAVE MORE THEN 5 CIRCUITS CONTROLLING A USE ONE POWER PACK PER LIGHTING CONTACTOR

SENSOR PLACEMENT AND TYPES WERE PLACED WITH CURRENT PROJECT INFORMATION. ADDITIONAL SENSORS AND TYPES OF SENSORS MAY BE REQUIRED TO PROVIDE COMPLETE COVERAGE DEPENDING ON DRAWING CHANGES, EMS/BMS, FINAL PARTITION HEIGHT/PLACEMENT. FURNITURE PLACEMENT. EQUIPMENT HEIGHT/PLACEMENT AND SHELVING HEIGHT/PLACEMENT.

FOR MAXIMUM DISTANCE USING CEILING MOUNTED 360° SENSORS ROTATE THE SENSOR CLOCKWISE SO THAT THE SCREW AXIS IS POSITIONED 7.5° OFF THE ENTRANCE AXIS. WHEN WALKING ACROSS A SENSOR'S BEAM, DETECTION WILL OCCUR AT APPROXIMATELY LONGEST DISTANCE. (REFER TO SPECIFICATION SHEET FOR PICTORIAL OF ALIGNMENT)

SENSOR MASKING KITS MAY BE REQUIRED TO LIMIT COVERAGE DEPENDING ON YOUR REQUIREMENTS.

MAXIMUM CABLE LENGTH FROM START DEVICE TO END DEVICE IS 1800'. MANUFACTURER IS NOT RESPONSIBLE FOR SYSTEMS EXCEEDING CABLING PARAMETERS

EVERY NLIGHT ENABLED DEVICE (INCLUDING NLIGHT ENABLED FIXTURES) IS FURNISHED WITH (1) PERMANENTLY ADHERED ID TAG AND (1) MATCHING, PARTIALLY ADHERED ID TAG TO BE PLACED ON THE RISER DIAGRAM SHEET, OR THE LIGHTING CONTROL LAYOUT SHEET, PROVIDED AS PART OF AN NLIGHT SUBMITTAL. THIS SHALL BE DONE DURING INSTALLATION AND PRIOR TO FACTORY STARTUP. FAILURE TO COMPLY MAY RESULT IN STARTUP DELAYS AND ADDITIONAL COSTS AT THE CONTRACTOR'S EXPENSE. DO NOT PLACE DEVICE ID STICKERS ON FLOOR PLAN UNLESS REQUIRED TO EXECUTE NFLOORPLAN OR ENVYSION SERVICES. REFERENCE NFLOORPLAN SERVICE NOTES OR ENVYSION SERVICE NOTES ON THIS SHEET FOR SPECIFIC REQUIREMENTS.

ONE RELAY PACK OR NLIGHT ENABLED FIXTURE IS NEEDED PER CIRCUIT/ZONE TO BE CONTROLLED AND CAN RESIDE WITHIN SENSORS, WALLPODS, OR RELAY PACKS. POWER PACK PLACEMENT ON DRAWINGS IS FOR COUNTING ONLY; FINAL PLACEMENT IS UP TO DISCRETION OF CONTRACTOR/ENGINEER. PLEASE RECHECK COUNTS TO VERIFY THE NUMBER OF RELAYS NEEDED TO SWITCH ALL DESIRED LOADS. RELAY PACKS AND POWER SUPPLIES REQUIRE A CONSTANT HOT. A SWITCHED HOT BEING SUPPLIED TO RELAY PACKS MAY RESULT IN COMMUNICATION LOSS WHEN POWER IS NOT AVAILABLE.

BRIDGES, RELAYS, POWER PACKS, WALLPODS, AND SENSORS ON DRAWINGS WERE PLACED WITH INFORMATION PROVIDED AT TIME OF DESIGN, ADDITIONAL BRIDGES AND/OR SENSORS MAY BE REQUIRED DEPENDING ON BUILDING CHANGES, FINAL PARTITION HEIGHT/PLACEMENT. FURNITURE PLACEMENT. EQUIPMENT HEIGHT/PLACEMENT AND SHELVING HEIGHT/PLACEMENT.

THE LAYOUT OF THE NETWORK BACKBONE (BRIDGES AND GATEWAYS) HAS BEEN PLACED IN A SEPARATE TREE DIAGRAM AND NOT ON THE ACTUAL LAYOUT. FINAL PLACEMENT OF THE BRIDGE(S) AND GATEWAY(S) DEVICES SHALL BE AT THE CONTRACTOR/ENGINEER DISCRETION.

ALL DEVICES HAVE RJ-45 FEMALE PORTS. MAKING NETWORK CONTROL CABLES IS REQUIRED, T568B TERMINATIONS ARE RECOMMENDED. IT IS IMPERATIVE THAT ALL NETWORK CONTROL CABLES BE TESTED WITH A LAN CABLE TESTER TO VERIFY PROPER TERMINATIONS.

DAISY-CHAINED DEVICES SHOULD BE POWERED UP AND WORKING ON DEFAULT PROGRAMMING PRIOR TO CONNECTION TO BRIDGE OR GATEWAYS.

LOW VOLTAGE NETWORK CONTROL CABLE (CAT5/5E/6) RUNS FOR LOCAL ZONES, HOMERUNS AND BACKBONE SHOULD BE WHITE WITH CABLES LABELED.

CONTRACTOR TO VERIFY BLINK/DIAGNOSTIC CODES (VISIT HTTP://NLIGHTCONTROLS.COM/WP-CONTENT/UPLOADS/NLIGHT POCKET GUIDE.PDF) WHEN CONNECTING GATEWAYS/BRIDGES TO ZONES.

MAXIMUM CABLE LENGTH FROM START DEVICE TO END DEVICE IS 1500' INCLUDING HOMERUN TO BRIDGE DEVICE, IF PRESENT. MANUFACTURER IS NOT RESPONSIBLE FOR SYSTEMS EXCEEDING CABLING PARAMETERS.

nLIGHT TECH SUPPORT: (800) 535-2465

SSI No	otes
O BE CONTROLLE G ONLY. FINAL PLA TS TO VERIFY THI WER PACKS THA SPACE YOU WILL TO PULL IN THE (ED BY A MAXIMUM OF 14 LOW VOLTAGE SENSORS. POWER ACEMENT OF POWER PACK IS UP TO E NUMBER OF POWER PACKS NEEDED TO MAKE A I CAN BE CONTROLLED BY A GROUP OF SENSORS IS 5. IF L EITHER HAVE TO BREAK UP THE SPACE INTO ZONES OR CIRCUITS.

nLight System Notes

3) THIS QUOTE IS PROVIDING A STANDALONE NLIGHT SYSTEM WITH TIMECLOCK MOUNTED INSIDE ARP PANEL. IF A NETWORKED SYSTEM IS REQUIRED, PLEASE REQUEST A REVISED QUOTE.

4) SEE LAYOUT AND/OR ENDNOTES FOR ASSUMED DIMMING TYPES. PLEASE CONFIRM BALLAST/DRIVER TYPES MATCH CONTROLS SELECTED PRIOR TO AN ORDER BEING PLACED.

5) ALL EMERGENCY FIXTURES ARE ASSUMED TO BE ON AN EM CIRCUIT. EM INVERTER OR EM GENERATOR.

VERIFY.

7) BOM EXCLUDES EXTERNAL POWER PACKS FOR PLUG LOAD CONTROL (CONTROLLED RECEPTACLES).

8) PLEASE REFERENCE FIXTURE DIMMING TYPE NOTES SHOWN IN DRAWING SET. IF CHANGES ARE REQUIRED, PLEASE REQUEST A **RE-QUOTE**.

GENERAL DESIGN ASSUMPTION NOTES 1) OVERALL DESIGN AND CONTROL GROUPS HAVE BEEN ASSUMED. PLEASE CONFIRM PRIOR TO RELEASE.

2) PLEASE VERIFY THAT THE SEQUENCE OF OPERATIONS HAS BEEN MET IN ALL SPACES PRIOR TO AN ORDER BEING PLACED.

3) QUANTITY AND TYPE OF POWERPACKS ARE SUBJECT TO CHANGE DEPENDING ON CIRCUITRY OR DIMMING TYPE.

4) EXTERNAL AND INTEGRATED OCCUPANCY SENSORS ARE DIAGRAMMATICALLY SHOWN ON 16500'S DRAWINGS. E.C. TO LOCATE SENSORS 4' FROM HVAC REGISTERS AND WITHIN MANUFACTURER'S COVERAGE PATTERN.

5) SEPARATE CONTROLS FOR DAYLIGHT ZONES ARE NOT INCLUDED UNLESS SPECIFIED ON DRAWINGS.

6) BOM ASSUMES AREAS WITHOUT NLIGHT OCCUPANCY SENSOR COVERAGE TO MEET AUTO-SHUT OFF TITLE 24 COMPLIANCE REQUIREMENTS VIA PROGRAMMABLE TIMECLOCK CONTROLS (NECY), E.C. TO VERIFY.

7) BOM ASSUMES ALL AREAS CONTAINING WINDOWED SITDELIT AND/OR SKYLITE BOUNDARIES WITHOUT NLIGHT PHOTOCELL SENSOR CONTROL CONTAIN LESS THAN 120 WATTS OF GENERAL LIGHTING WITHIN THE RESPECTIVE/SPECIFIED "PRIMARY DAYLIGHT ZONE", E.C. TO VERIFY.

8) QUOTE BASED ON LIMITED INFORMATION PROVIDED -QUOTE/PROPOSAL SUBJECT TO REVIEW AND APPROVAL AND REQUOTE AS REQUIRED.

9) SUBJECT TO MANUFACTURER TERMS AND CONDITIONS - SEE WEBSITE(S) FOR DETAILS WWW.ACUITYBRANDS.COM.

10) DOES NOT INCLUDE CABLES.

11) DOES NOT INCLUDE CODE-RELATED "COMMISSIONING" SERVICES OR RELATED SERVICES.

12) DOES NOT INCLUDE BACNET CAPABILITY UNLESS "BAC" OPTION IS SHOWN IN NOMENCLATURE ON THE NECY.

13) DOES NOT INCLUDE INTEGRATION SERVICES.

14) REFER TO ATTACHED DRAWINGS, DETAILS, SPECIFICATION SHEETS AND/OR OTHER DOCUMENTATION FOR FURTHER INFORMATION.

15) UNDER THIS QUOTE, SOME MULTI-GANG SWITCHES SPECIFIED ARE CONSOLIDATED INTO AN NLIGHT MULTI-CHANNEL SINGLE-GANG DEVICE (WALLPOD). THIS MAY AFFECT PLANNED ROUGH-IN. THE QUOTED DEVICE MEETS OR EXCEEDS THE APPARENT SPECIFIED FUNCTIONALITY. CUSTOMER TO VERIFY THIS MEETS REQUIREMENTS.

16) TYPICAL TOPOLGY: ROOM=ZONE, EACH ZONE UP TO 128 DEVICES. UP TO SIX (6) ROOMS/ZONES CONNECT TO AN 8-PORT BRIDGE BRIDGES TO BE LOCATED BY CONTRACTOR. BRIDGES CONNECT TO EACH OTHER IN LINEAR CHAIN AND/OR "SPIDER" STYLE NETWORK (LINEAR CHAINS LIMITED TO 9 BRIDGES). BRIDGES REQUIRES POWER SUPPLY. POWER SUPPLY IS PART OF THE KIT.

17) 16500 OFFERS CALCTP ACCEPTANCE TESTING AS AN ADDITIONAL SERVICE FOR OUR CUSTOMERS. CALCTP ACCEPTANCE TESTING IS NOT INCLUDED IN THIS QUOTE AT THIS TIME. IF CALCTP ACCEPTANCE TESTING IS DESIRED. PLEASE CONTACT 16500 FOR A FORMAL PROPOSAL.

18) GENERAL STARTUP LEAD TIME IS 10 BUSINESS DAYS UPON REVIEW OF THIS FORM. SCHEDULING IS BASED ON CURRENT DEMAND. PLEASE PROVIDE SPECIFIC DATES RATHER THAN "ASAP". SEND COMPLETED FORMS TO CONTROLS.STARTUPS@16500.COM

19) BOM ASSUMES ALL EXTERIOR LUMINAIRES WITHOUT SPECIFIED EXTERNAL OR INTERNAL MOUNTED MOTION SENSORS ARE MOUNTED GREATER THAN 24 FEET ABOVE THE GROUND OR MEET THE FOLLOWING EXCEPTIONS WHEN MOUNTED AT OR BELOW 24 FEET PER TITLE 24 (2019) EXTERIOR MOTION SENSOR CONTROL REQUIREMENTS: EXTERIOR LUMINAIRES IS RATED LESS THAN 40 WATTS. E.C. TO VERIFY ALL EXTERIOR FIXTURE WATTAGES. IF PROJECT IS PERMITTED UNDER TITLE 24 (2016), THEN ALTERNATE REQUIREMENTS APPLY.

PROJECT SPECIFIC NOTES

1) THIS DESIGN IS BASED ON E-SHEETS DATED 05/28/2019.

2) THE LIGHTING CONTROL DESIGN IS SUBJECT TO CHANGE BASED ON ADDITIONAL PROJECT SPECIFIC INFORMATION

6) BOM ASSUMES TIMECLOCK TO BE UTILIZED IN ALL AREAS. EC TO

Prepared For: ELECTRICAL NTRACTOR N/

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16500 DESIGN IS ONLY FOR GENERAL CONFORMANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS, OR FOR COORDINATION OR COMPATIBILITY WITH WORK OF OTHER TRADES, NOR FOR OMISSIONS OR NON COMPLIANCE WITH DRAWINGS OR SPECIFICATIONS. WHETHER SPECIFICATIONS WHETHER SPECIFICATIONS WHETHER SPECIFICATIONS WHETHER SPECIFICATIONS.

COMPLETENESS. RELIABILITY OR OTHERWISE. IF THE INFORMATION (INCLUDING BUT NOT LIMITED TO

CUSTOMER OR END-USER (AS APPLICABLE) TO CONSULT WITH A PROFESSIONAL ENGINEERING ADVISOR TO DETERMINE WHETHER THE PROPOSED DESIGN MEETS THE APPLICABLE PROJECT REQUIREMENTS FOR THE CONTROLS SYSTEM'S PERFORMANCE, CODE COMPLIANCE, SAFETY, SUITABILITY AND EFFECTIVENESS FOR USE IN A PARTICULAR APPLICATION. IN NO EVENT WILL ACUITY BRANDS BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF THIS CONTROLS SYSTEM LAYOUT DIAGRAM

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TYPICAL WIRED NLIGHT ZONE DETAIL W/ NDTC & ARP PANEL. TIMECLOCK PROVIDED; NO AUTOMATIC DEMAND RESPONSE & NO BMS INTERFACE

SOO
Break Room
Classroom
Conference Room
Copy Room
Corridor/Stair
Electrical Room
Exam Room
Gym
Janitor Closet
Kitchen
Lab
Library
Lobby
Multi-Purpose Room
Open Office
Parking Lot
Private Office Or Sim
Private Restroom
Public Restroom
Site/Building Facade
Storage
Warehouse

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		OCC	UPANC	CY SEN	ISOR		TIT	ME CLOCK			WAI	L SWI	ТСН		Di	ayligh Sensoi	IT R		ОТ	HER		
	VACANCY MODE (MANUAL ON)	OCCUPANCY MODE (AUTO ON)	SENSOR TIME OUT PERIOD (MINUTES)	DUAL TECHNOLOGY	OCCUPIED LEVEL (%)	UNOCCUPIED LEVEL (%)	SCHEDULE ON TIME	SCHEDULE OFF TIME	SCHEDULE OVERRIDE SWITCH	MANUAL (ON/OFF)	MANUAL DIMMING	KEY SWITCH	SCENE CONTROL	GRAPHIC TOUCHSCREEN	SWITCHING (ON/OFF)	DIMMING	TARGET LIGHTING LEVELS (FC)	EXTERIOR LOCATION	PLUG LOAD CONTROL	BAS INTERFACE	AV INTERFACE	NOTES
		х	15	х	70						х					Х	20		Х			
		х	15	Х	70						х					Х	50					
		х	10	Х	70						х					Х	45		Х			
		х	10	Х	70						х					Х	30		Х			
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Typical Sequence of Operations Matrix





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LC1.0 Project: SR 84 - Bayfront Expressway

	(E) PANEL # E4L-B32FA
	VOLTS 277/480V,3P
	AIMPS 225 AIC RATING 35K
	DESCRIPTION
	Elect Pnl Rm 1.69.17
	Seating Pend Lts Seating Pend Lts
	Self Serve Pend Lts
	Serving Area 1.58.07
	Pizza Lts Unisex Locker
	Kitchen Lts
	SPARE
	1.69.09 Site Lta NW
	Event
	Mech Rm 31-32 Mech Rm 29-31
	SPACE Roof Kitchen
	Main Kitchen
	Restroom 1.69 SPARE
	SUBTOTAL
	TOTAL CONNE
	NOTES:
	PANEL CAF
	2. (N) 60A/2
	SLOPED CHAIN
	4'-0" Min &
,	PLATE GIRDER,
	1/2" GRS_BRANC
)	CONDUIT TO LIG (TYP)
	3" METAL DECK 18 GAGE

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1 LC1.0 NOT TO SCALE

THIS CONTROLS SYSTEM LAYOUT DIAGRAM IS NOT A PROFESSIONAL ENGINEERING DRAWING, AND IS PROVIDED ONLY FOR INFORMATIONAL PURPOSES AND TO HELP THE CUSTOMER OR END-USER (AS APPLICABLE) UNDERSTAND HOW VARIOUS CONTROLS DEVICES ARE ARRANGED AND CONNECT TO EACH OTHER. THIS CONTROLS SYSTEM LAYOUT DIAGRAM IS STRICTLY BASED ON THE INFORMATION PROVIDED TO ACUITY BRANDS, AND IS PROVIDED WITHOUT WARRANTY AS TO ACCURACY, COMPLETENESS, RELIABILITY OR OTHERWISE. IF THE INFORMATION (INCLUDING BUT NOT LIMITED TO FLOOR-PLANS, REFLECTED CEILING PLANS, ELECTRICAL PLANS AND SPECIFICATIONS) PROVIDED TO ACUITY BRANDS IS INCOMPLETE OR NOT CURRENT (I.E., NEWER VERSIONS EXIST), THE ACCURACY OF THE LAYOUT DIAGRAM MAY BE ADVERSELY AFFECTED. ONCE THIS CONTROLS SYSTEM LAYOUT DIAGRAM IS RECEIVED BY THE CUSTOMER OR END-USER (AS APPLICABLE), IT IS THE OBLIGATION OF THE CUSTOMER OR END-USER (AS APPLICABLE) TO CONSULT WITH A PROFESSIONAL ENGINEERING ADVISOR TO DETERMINE WHETHER THE PROPOSED DESIGN MEETS THE APPLICABLE PROJECT REQUIREMENTS FOR THE CONTROLS SYSTEM'S PERFORMANCE, CODE COMPLIANCE, SAFETY, SUITABILITY AND EFFECTIVENESS FOR USE IN A





LC 2.0 Project: SR 84 - Bayfront Expressway



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CKT #1 ₹ LTG, CONTF	,#2&# 277 ROL 0-</td><td>43, 277 V) -10 V)</td><td>v) }</td><td></td><td>F</td><td></td><td>rick Henry Drive, Bldg. 10</td><td>ra, CA 95054</td><td>r No. 208-17-01</td></tr><tr><td>5(E) F STEEL</td><td>OULL E</td><td>BOX WIT</td><td>+</td><td></td><td></td><td></td><td>4701 Pat</td><td>Santa Clo</td><td>PROJECT</td></tr><tr><td>CE, 2</td><td>277/48</td><td>30 V)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>PROVI SERVI G)</td><td>DED E CE 27</td><td>8Y OTHE 77/480</td><td>RS. V)</td><td>×</td><td></td><td>2201</td><td></td><td></td><td>ORNIA</td></tr><tr><td>POC SE P CIRC CULATI</td><td>CUIT E</td><td>E CONDU BREAKER N (E) P</td><td>CTORS ANEL</td><td>S W A</td><td></td><td>20-05</td><td>Z</td><td></td><td>CALIF</td></tr><tr><td></td><td></td><td></td><td></td><td>EXPRES</td><td></td><td>UGE NO.</td><td>SITE DI A</td><td></td><td>COUNTY</td></tr><tr><td>ES AF RD T SHEE OTAL</td><td>RP PA IMECI F LC2. NUMI</td><td>NEL LOCK 3. EC BER OF</td><td></td><td>3AYFRONT</td><td></td><td>LOC (BRI</td><td>CTRICAL</td><td></td><td>SAN MATEO</td></tr><tr><td>A CHA</td><td>NGES</td><td>D. ALL S WILL</td><td></td><td>SR 84/E</td><td></td><td>BATTRUNI</td><td></td><td>3</td><td>MENLO PARK</td></tr><tr><td></td><td></td><td></td><td></td><td>Revisions</td><td></td><td></td><td></td><td></td><td>i – RFI #13R−1 & #59</td></tr><tr><td></td><td></td><td></td><td></td><td>0.</td><td></td><td></td><td></td><td></td><td>05/28/19</td></tr><tr><td>Ø</td><td>Doffer D</td><td>AVID W. CLO</td><td>W Z</td><td>e 10/25/18 N</td><td>le AS SHOWN</td><td>ign DC</td><td>wn CB</td><td>roved KN</td><td>No20157064-10</td></tr><tr><td></td><td>No. E</td><td>12883 p. 12/31/2 ELECT.</td><td>EER X</td><td>Dra</td><td>wing</td><td></td><td>umb Dra</td><td>ddy er:</td><td>dol</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>OF</td><td></td><td></td><td></td></tr></tbody></table>								



LC 2.0

Sheet

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LC 2.1 Project: SR 84 - Bayfront Expressway



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LC 2.1

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LC 2.2 Project: SR 84 - Bayfront Expressway



Disclaime

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04	

WITH ONBOARD TIMECLOCK SHOWN ON SHEET LC2.3. EC TO VERIFY TOTAL NUMBER OF ZONES/RELAYS NEEDED. ALL FUTURE BOM CHANGES WILL





DWG Ref: LC 2.2

Drawn By:

Project #:

6/18/2021 1/8" = 1

21-14600



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COUNTY	ROUTE	POST MILES	- <u>-</u>		
SM	84	R26.8/R27.1			
			Alliance Enaineerina	4701 Patrick Henry Drive, Bldg. 10 phone (408) 970–9888 Sonta Clara, CA 95:054	PROJECT NO. 208-17-01 www.gec-engineers.com
TH ONBO ES ED SHEE ZONES/ ANGES \	DARD TS. EC RELAYS VILL		BAVEDONT EXPRESSWAY	ELECTRICAL PLAN No. 3 - 0330/	MENLO PARK SAN MATEO COUNTY CALIFORNIA
			No. Revisions		05/28/19 - RFI #13R-1 & #59
	No. HE BEST	AVID W. CLOW 12883 P. 12/31/20 ELECT. F OF CAL IFORMUP	Date 10/25/18 Scale AS SHOWN	Design Drawn OF	Job No20157084-10





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TYPICAL nLIGHT WIRED WIRING DIAGRAMS (STAND-ALONE)

