
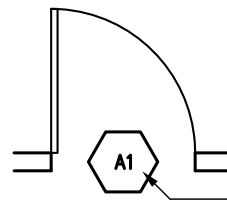
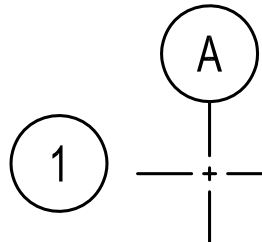

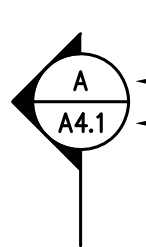
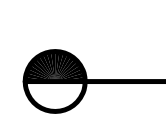
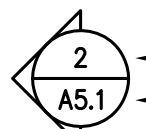

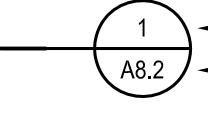
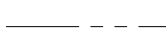
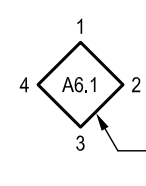
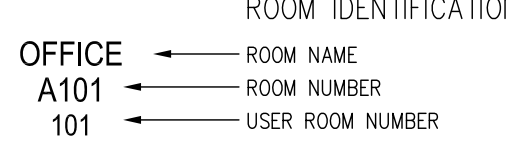
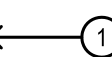



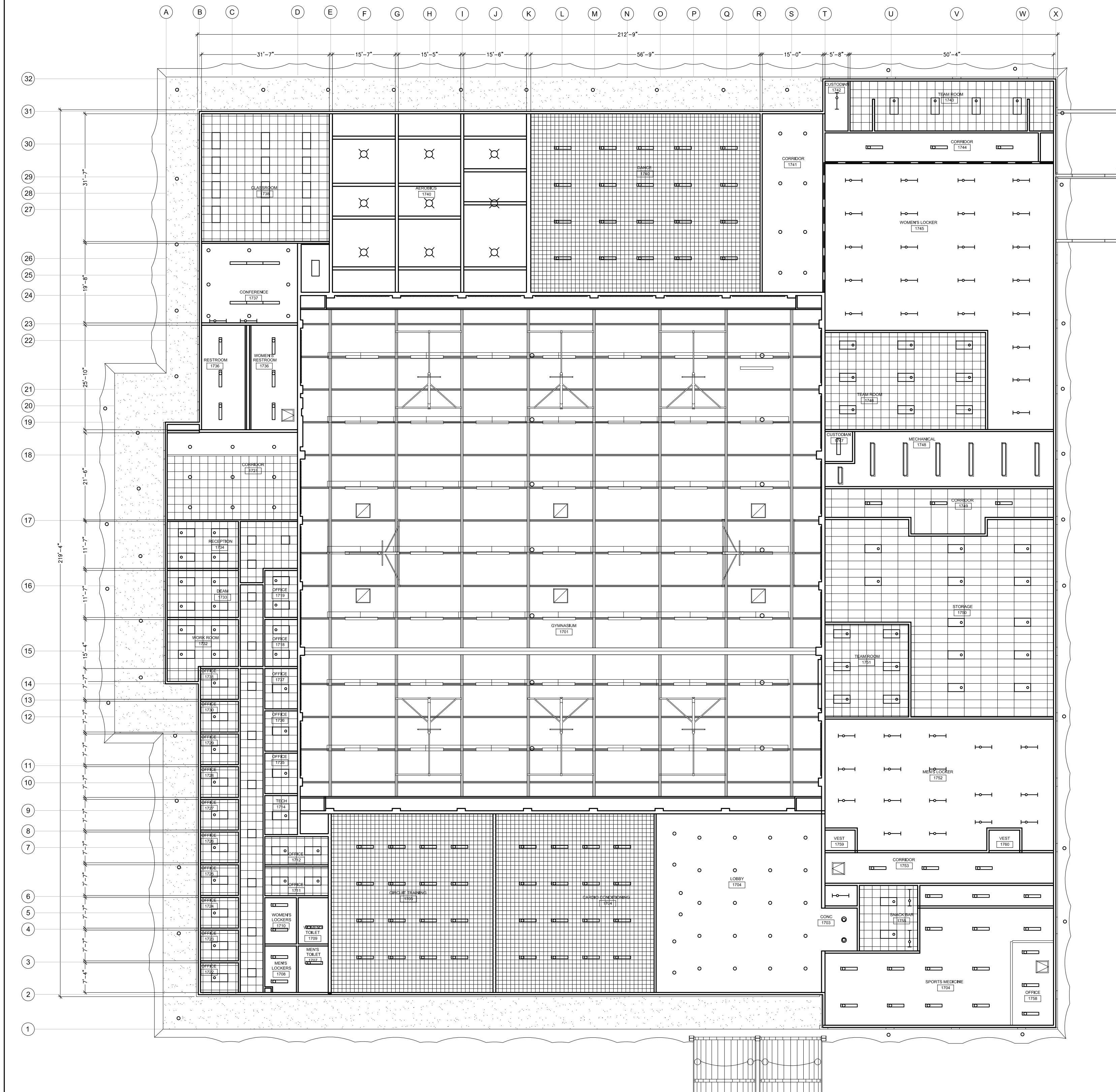


# BUILDING LIGHTING UPGRADE PROJECT

SOLANO COMMUNITY COLLEGE DISTRICT  
4000 SUISUN VALLEY ROAD, FAIRFIELD, CA 94534  
PROJECT NO:

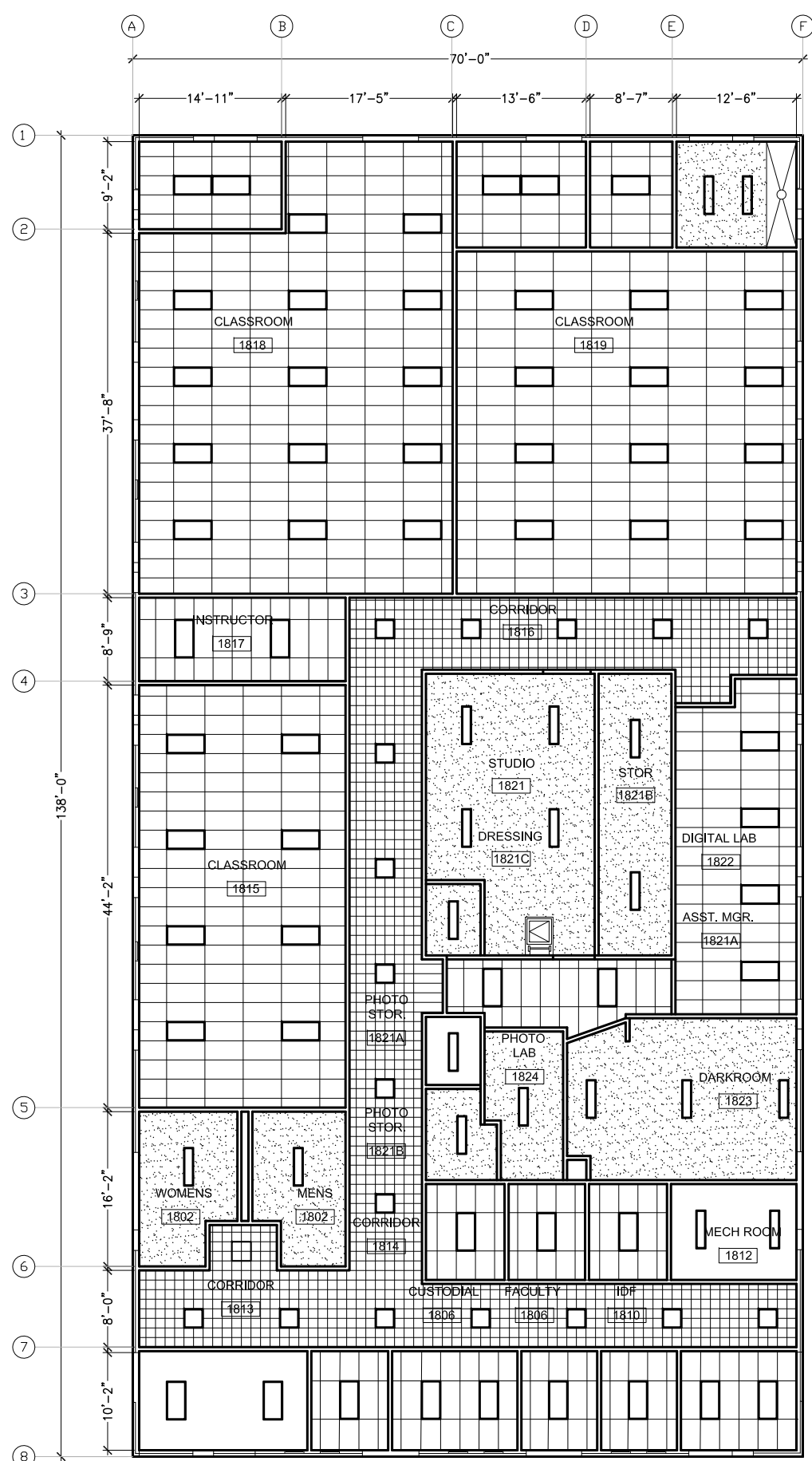
**SOLANO COMMUNITY  
COLLEGE DISTRICT**  
4000 Suisun Valley Road  
Fairfield, CA 94534

GENERAL NOTES	LEGEND	PROJECT SCOPE	INDEX	PROJECT DIRECTORY																																																						
<p>1. FIELD VERIFY ALL EXISTING DIMENSIONS AND NOTIFY ARCHITECT OF ACTUAL FIELD CONDNTIONS PRIOR TO THE COMMENCEMENT OF ANY WORK. THIS SHALL INCLUDE ALL FINISH ELEVATIONS AND CLEARANCES AS SHOWN ON EXISTING/DEMO SHEETS AND PROPOSED PLANS TO CONFIRM IN-FIELD CONDITIONS CONFORM TO DOCUMENTS.</p> <p>2. ELEVATIONS. ALL ELEVATIONS ARE TO/FROM TOP OF FINISH FLOOR, U.O.N.</p> <p>3. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING FENCE HEIGHTS AND ANY MOUNTING REQUIREMENTS FOR ANY FENCEWORK PRIOR TO INSTALLATION.</p> <p>4. ALL EXITS, EXIT LIGHTING, FIRE PROTECTIVE DEVICES SHALL BE MAINTAINED FOR THE DURATION OF THE WORK OF THE PROJECT. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE SCHOOL TO ALLOW FOR STORAGE FOR MATERIALS, LOCATION OF DEMO BOX AND ALL SCHOOL USE PROTOCOLS THAT ARE REQUIRED TO BE MAINTAINED DURING CONSTRUCTION.</p> <p>5. UNOBSTRUCTED ACCESS TO EXISTING EXITS AND ANY EMERGENCY LIGHTING SHALL BE MAINTAINED THOUGHOUT CONSTRUCTION. ALL EXITS, EXIT LIGHTING, FIRE PROTECTIVE DEVICES SHALL BE MAINTAINED FOR THE DURATION OF THE WORK OF THE PROJECT.</p> <p>6. ALL WORK PERFORMED UNDER THESE DOCUMENTS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND REQUIREMENTS. ALL NEW WORK SHALL NOT DIMINISH ANY EXISTING CONDITIONS WITH RESPECT TO THEIR ADHERENCE TO APPLICABLE CODES AND REQUIREMENTS (TYP.). THIS SHALL INCLUDE INSPECTIONS AND SUPERVISION OF WORK BY A LICENSED INSPECTOR OF RECORD (IOR) IN ACCORDANCE WITH DSA.</p> <p>7. THESE DOCUMENTS ARE TO REFLECT GENERAL INTENT OF THE ARCHITECTURAL SCOPE OF WORK. THE INFORMATION SHOWN IN THESE DOCUMENT SHOW PURPOSE AND INTENT AND ARE NOT COMPLETE IN EVERY DETAIL. THE CONTRACTOR SHALL COMPLY WITH THEIR INTENT AND MEANING, TAKEN AS A WHOLE, AND SHALL NOT AVAIL ITSELF OF ANY MANIFEST ERROR, OMISSION, AND DISCREPANCY OF AMBIGUITY WHICH APPEAR IN THE DOCUMENTS.</p> <p>8. CONTRACTOR SHALL ENGAGE USA TO VERIFY AND LOCATE ANY (E) UTILITIES WITHIN AREA OF SCOPE OF WORK PRIOR TO COMMENCENT OF DEMO WORK.</p>	<div><div><div><div><div>NORTH ARROW</div></div><div><div>DOOR REFERENCE</div><div>DOOR NUMBER</div></div></div><div><div><div>COLUMN OR GRID LINE</div><div>LETTERS LEFT TO RIGHT, NUMBERS TOP TO BOTTOM.</div></div><div><div>REVISION REFERENCE</div><div>REVISION NUMBER</div><div>CLOUD AROUND REVISION</div></div></div><div><div><div>BUILDING SECTION</div><div>SECTION IDENTIFICATION</div><div>SHEET WHERE SECTION IS SHOWN</div></div><div><div>MATCH LINE</div><div>SHADED HALF IS THE SIDE CONSIDERED</div></div></div><div><div><div>EXTERIOR ELEVATION</div><div>ELEVATION IDENTIFICATION</div><div>SHEET WHERE ELEVATION IS SHOWN</div></div><div><div>CENTER LINE</div></div></div><div><div><div>SECTION DETAIL</div><div>DETAIL IDENTIFICATION</div><div>SHEET WHERE DETAIL IS SHOWN</div></div><div><div>PROPERTY LINE</div></div></div><div><div><div>INTERIOR ELEVATION – MULTIPLE VIEWS</div><div>ELEVATION IDENTIFICATION</div><div>SHEET WHERE ELEVATION IS SHOWN</div></div><div><div>ROOM IDENTIFICATION</div><div>OFFICE</div><div>ROOM NAME</div><div>ROOM NUMBER</div><div>USER ROOM NUMBER</div></div></div><div><div><div>KEY NOTE</div><div>CORRESPONDING NOTE NUMBER</div></div><div><div>WINDOW TAG</div></div></div><div><div><div>ADDITIVE ALTERNATE REFERENCE</div><div>CORRESPONDING NOTE NUMBER</div></div></div></div><div><div><div><div><div>PROJECT LOCATION</div></div></div></div></div></div>	<p>PROJECT SCOPE WILL BE LIMITED TO A REPLACEMENT IN KIND OF EXISTING LIGHT FIXTURES. THE WORK WILL BE DONE ENTIRELY WITHIN EXISTING, PREVIOUSLY DSA CERTIFIED BUILDINGS AS SHOWN IN THE DOCUMENTS. THERE WILL BE NO STRUCTURAL WORK, NO FIRE LIFE SAFETY AND NO ACCESS COMPLIANCE WORK. THE EXISTING SUSPENDED CEILING SHALL REMAIN IN PLACE AND IN NO INSTANCE SHALL THE WEIGHT OF THE RENOVATION FIXTURE EXCEED THE WEIGHT OF THE EXISTING FIXTURES NOR EXCEED THE DESIGN WEIGHT ALLOWED FOR THE SUSPENDED CEILING DESIGN. ALL WORK SHALL BE PERFORMED UNDER THE OBSERVATION OF A LICENSED, ON-SITE INSPECTOR (IOR) HIRED BY THE SCHOOL SPECIFICALLY FOR THIS PROJECT. ALL WORK SHALL CONFORM TO ALL APPLICABLE CODE SECTIONS AS NOTED BELOW INCLUDING THE 2016 CEC, 2017 NEC AND NFPA 70.</p> <p>DSA APPLICATION NUMBERS</p> <p>APPL NO: #60163, #43623</p> <p>PER REQ'TS OUTLINED FOR THE DSA LFA-810, NO REVIEW IS REQUIRED.</p>	<p>GENERAL DRAWINGS</p> <p>A0.00 COVER SHEET, INDEX</p> <p>ARCHITECTURE DRAWINGS</p> <p>A6.00 RCP</p> <p>ELECTRICAL DRAWINGS</p> <p>E0.10 GENERAL NOTES &amp; LEGEND</p> <p>E0.20 TITLE 24 - COMPLIANCE FORM</p> <p>E0.21 TITLE 24 - COMPLIANCE FORM</p> <p>E0.22 TITLE 24 - COMPLIANCE FORM</p> <p>E0.23 TITLE 24 - COMPLIANCE FORM</p> <p>E0.24 TITLE 24 - COMPLIANCE FORM</p> <p>E0.30 LIGHTING FIXTURE/SCHEDULE</p> <p>E1.00 LIGHTING PLAN 1700 NOUTH</p> <p>E1.01 LIGHTING PLAN 1700 SOUTH</p> <p>E1.10 LIGHTING PLAN 1800 SOUTH (ADD ALT.)</p>	<table><tr><td>DISTRICT</td><td>NAME</td><td>SOLANO COMMUNITY COLLEGE DISTRICT</td></tr><tr><td></td><td>ADDRESS</td><td>4000 SUISEN VALLEY ROAD</td></tr><tr><td></td><td>PHONE</td><td>FAIRFIELD CA 94534</td></tr><tr><td></td><td>PHONE</td><td>707-864-7112</td></tr><tr><td></td><td>PHONE</td><td>707-864-7197</td></tr><tr><td></td><td>E-MAIL</td><td>Jason.Yi@solano.edu</td></tr></table> <table><tr><td>ARCHITECT</td><td>NAME</td><td>CA ARCHITECTS</td></tr><tr><td></td><td>ADDRESS</td><td>475 GATE FIVE ROAD, SUITE 107</td></tr><tr><td></td><td>ADDRESS</td><td>SAUSALITO, CA 94965</td></tr><tr><td></td><td>PHONE</td><td>415-331-7655</td></tr><tr><td></td><td>FAX</td><td>415-331-7656</td></tr><tr><td></td><td>E-MAIL</td><td>jpcn@ca-arch.com</td></tr></table> <table><tr><td>ELECTRIC</td><td>NAME</td><td>C&amp;N ENGINEERS, INC.</td></tr><tr><td></td><td>ADDRESS</td><td>319 SUTTER STREET, SUITE 202</td></tr><tr><td></td><td>ADDRESS</td><td>SAN FRANCISCO, CA 94108</td></tr><tr><td></td><td>PHONE</td><td>415-982-1828</td></tr><tr><td></td><td>FAX</td><td>415-772-8005</td></tr><tr><td></td><td>E-MAIL</td><td>raymond@cnenr.com</td></tr></table> <p>PROJECT INSPECTOR: TBD VERIFY WITH SSCD</p>	DISTRICT	NAME	SOLANO COMMUNITY COLLEGE DISTRICT		ADDRESS	4000 SUISEN VALLEY ROAD		PHONE	FAIRFIELD CA 94534		PHONE	707-864-7112		PHONE	707-864-7197		E-MAIL	Jason.Yi@solano.edu	ARCHITECT	NAME	CA ARCHITECTS		ADDRESS	475 GATE FIVE ROAD, SUITE 107		ADDRESS	SAUSALITO, CA 94965		PHONE	415-331-7655		FAX	415-331-7656		E-MAIL	jpcn@ca-arch.com	ELECTRIC	NAME	C&N ENGINEERS, INC.		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				<p>2016 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.</p> <p>2016 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2015 INTERNATIONAL BUILDING CODE AND 2016 CALIFORNIA AMENDMENTS)</p> <p>2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2017 NATIONAL ELECTRICAL CODE AND 2016 CALIFORNIA AMENDMENTS)</p> <p>2016 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. (2015 UNIFORM MECHANICAL CODE AND 2016 CALIFORNIA AMENDMENTS)</p> <p>2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2015 UNIFORM PLUMBING CODE AND 2016 CALIFORNIA AMENDMENTS)</p> <p>2016 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R. – WHERE APPLICABLE</p> <p>2016 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2015 INTERNATIONAL FIRE CODE AND 2016 CALIFORNIA AMENDMENTS)</p> <p>2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R. (WHERE APPLICABLE)</p> <p>2016 CALIFORNIA REFERENCED STANDARDS, PART. 12, TITLE 24 C.C.R.</p> <p>TITLE 19 C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.</p> <p>PARTIAL LIST OF APPLICABLE STANDARDS:</p> <p>NFPA 13, AUTOMATIC SPRINKLER SYSTEMS, 2016 EDITION</p> <p>NFPA 72, NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED), 2016 EDITION</p> <p>NFPA 80, FIRE DOOR AND OTHER OPENING PROTECTIVES, 2016 EDITION</p> <p>NFPA 2012, CLEAN AGENT FIRE EXTINGUISHING SYSTEMS, 2015 EDITION</p> <p>REFERENCE CODE SECTION FOR NFPA STANDARDS – 2016 CBC (SFM) CHAPTER 35.</p> <p>SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.</p>																																																						



10 BUILDING 1700A RCP

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



3 BUILDING 1800A RCP

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

GENERAL SHEET NOTES:

1. GENERAL: REMOVAL, TEMPORARY STORAGE AND REINSTALLATION OF EXISTING CEILING TILES SHALL COMPLY WITH SPECIFICATION SECTION 024119 AND 095113 (TYP). THE SCOPE FOR THIS DETERMINED BY THE CONTRACTOR AND SHALL BE INCLUDED IN THE BID/ COST FOR THE PROJECT.
2. GENERAL: ALL EXISTING CEILING SUPPORT, FRAMING, GUY WIRES, SEISMIC BRACES, ETC SHALL REMAIN IN-PLACE AND INTACT. ANY DAMAGE OR MODIFICATIONS TO THE EXISTING SUPPORT ELEMENTS SHALL REQUIRE NOTIFICATION TO THE ARCHITECT AND IOR AND INSPECTIONS FROM THE ON-SITE IOR OF THE DAMAGE. THIS MAY RESULT IN ADDITIONAL ENGINEERING AND DSA REVIEW/ACCEPTANCE PRIOR TO THE COMMENCEMENT OF ANY REMEDIAL WORK. COST AND SCHEDULE DELAYS FOR DAMAGE DUE TO CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

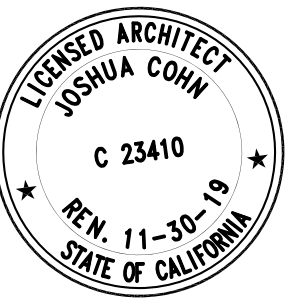
OWNER:  
**SOLANO COMMUNITY COLLEGE DISTRICT**  
4000 Suisun Valley Road  
Fairfield, CA 94534

ARCHITECT:  
**CA ARCHITECTS**  
475 Gate Five Road, Suite 107  
Sausalito, CA 94965  
T 415.331.7655  
F 415.331.7656

PROJECT:  
**BUILDING LIGHTING UPGRADE PROJECT**

CONSULTANT TEAM:

STAMP



SHEET LEGEND:

ISSUE/REVISION:		
NO.	DATE	DESCRIPTION
1	11/15/2018	50% CD
2	11/30/2018	ISSUE FOR REVIEW
3	12/5/2018	ISSUE FOR BID

KEY PLAN:

SCALE:  
DATE:  
PROJECT NO.:  
PERMIT APPLICATION NO.:

RCP  
A6.00







GENERAL NOTES	
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1. THE WORK INCLUDES THE FURNISHING OF ALL LABOR AND MATERIALS FOR THE COMPLETE INSTALLATION OF ALL ELECTRICAL SYSTEMS AND EQUIPMENT REFERRED TO, IMPLIED OR SHOWN ON THE DRAWINGS EXCEPT SUCH MATERIALS AND EQUIPMENT AS MAY BE SPECIFIED OR INDICATED TO BE PROVIDED BY OTHERS.
  2. THE ELECTRICAL CONTRACTOR SHALL VISIT JOB SITE AND VERIFY FIELD CONDITIONS BEFORE BIDDING AND SHALL INCLUDE IN HIS BID THE NECESSARY COSTS TO CONSTRUCT THIS PROJECT IN ACCORDANCE WITH THE INTENT OF THE ELECTRICAL DRAWINGS AND ALL APPLICABLE CODES. ELECTRICAL CONTRACTOR SHALL ALLOW FOR DEMOLITION WORK NECESSARY FOR A COMPLETE INSTALLATION OF THE NEW ELECTRICAL EQUIPMENT.
  3. THE ELECTRICAL CONTRACTOR SHALL PERFORM HIS WORK IN ACCORDANCE WITH ALL CODES, RULES AND REGULATIONS OF GOVERNING AGENCIES HAVING JURISDICTION, ALL OF WHICH ARE HEREBY MADE A PART OF THE PLANS. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS, HAVE WORK INSPECTED AND PAY FOR THE SAME. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL DELIVER TO OWNER A "CERTIFICATE OF INSPECTION" APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
  4. LOCATION OF ALL EQUIPMENT AND OUTLETS AS SHOWN ON THE DRAWINGS ARE APPROXIMATELY ONLY, EXCEPT WHERE DIRECTED BY DIMENSIONS, HEIGHT OR DETAILS. CONFIRM LOCATIONS BY REFERENCE TO ARCHITECTURAL, AND EQUIPMENT DETAILS AND VERIFY WITH ARCHITECT.
  5. THE ELECTRICAL CONTRACTOR SHALL INFORM HIMSELF PRIOR TO SUBMISSION OF BIDS AS TO THE ELECTRICAL WORK REQUIRED BY OTHER SECTIONS OF THE PLANS, SUCH AS THE ARCHITECTURAL, MECHANICAL, ETC. AND INCLUDE THOSE ITEMS INDICATED TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR OR "BY OTHERS".
  6. THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER THE ELECTRICAL DRAWINGS IN THE REPRESENTATION OF THE GENERAL CONSTRUCTION WORK AND THE DRAWINGS OF THE VARIOUS TRADES TAKE PRECEDENCE IN THE REPRESENTATION OF THE WORK OF THOSE TRADES. THE CONTRACTOR SHALL REFER TO ALL DRAWINGS TO COORDINATE THE ELECTRICAL WORK WITH THE WORK DONE ON OTHER TRADES.
  7. THE ARCHITECT RESERVES THE RIGHT TO MOVE ANY OUTLETS WITHIN THE RADIUS OF SIX FEET WITHOUT ADDITIONAL EXPENSES TO THE OWNER. NO ALLOWANCE WILL BE MADE FOR EXTRAS FOR ANY CHANGES IN LOCATIONS EXCEPT WHERE EQUIPMENT HAS BEEN SET AND CONNECTED BEFORE ANY CHANGE IS ORDERED AND THEN ONLY WHEN SUCH CHANGE IS IN WRITING.
  8. THE SIZE AND LOCATION OF EQUIPMENT IS SHOWN TO SCALE WHENEVER POSSIBLE, BUT THE CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL THE CONTRACT DOCUMENTS AND SHALL VERIFY THIS INFORMATION.
  9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL THE CONDUITS WITH MINIMUM NUMBER OF BENDS IN SUCH A MANNER AS TO CONFORM TO THE STRUCTURES, AVOID OBSTRUCTIONS, MAINTAIN HEAD ROOM, DEEP OPENINGS AND PASSAGEWAYS CLEAR, BE COMPATIBLE WITH LATEST CONSTRUCTION METHOD, AND MEET ALL STRUCTURAL CODE REQUIREMENTS. FURNISH AND INSTALL PULL BOX AS NECESSARY FOR LONG CONDUIT RUNS.
  10. ALL ELECTRICAL OUTLETS, MOTORS, DEVICES, APPARATUS, EQUIPMENT FIXTURES AND APPLIANCES WHEREVER INSTALLED, "BY OTHERS", SHALL BE FULLY CONNECTED TO THE PROPER ELECTRICAL SOURCES AND CONTROLS AND LEFT IN OPERATIONAL CONDITION.
  11. WHERE CONNECTIONS ARE SPECIFIED TO BE MADE TO EQUIPMENT FURNISHED BY OTHER DIVISIONS, OBTAIN THE REQUIRED ROUGH-IN DIMENSIONS AND CONNECTION DIAGRAMS FROM THE RESPECTIVE DIVISIONS FOR EACH ITEM AND ASSUME FULL RESPONSIBILITY FOR NEAT AND WORKMANLIKE INSTALLATION OF CONDUIT AND WIRE CONNECTION.
  12. CONTRACTOR TO BE RESPONSIBLE FOR ALL ELECTRICAL GROUNDING AND BRACING REQUIREMENTS FOR EQUIPMENT.
  13. THE COMPLETE INSTALLATION, INCLUDING THE NEUTRAL CONDUCTOR, METAL LIC CONDUIT AND RACEWAYS, BOXES, CABINETS AND EQUIPMENT, SHALL BE PERMANENTLY AND EFFECTIVELY GROUNDED IN ACCORDANCE WITH ALL CODE REQUIREMENTS, WHETHER OR NOT SUCH CONNECTIONS ARE SPECIFICALLY SHOWN AND/OR SPECIFIED.
  14. EACH OUTLET SHALL BE TESTED AND BE PLACED IN WORKING ORDER BEFORE THE INSTALLATION SHALL BE CONSIDERED COMPLETE. ALL PARTS OF THE ELECTRICAL SYSTEM SHALL BE GUARANTEED TO PERFORM THE REQUIRED FUNCTION IN ACCORDANCE WITH THE PERFORMANCE REQUIREMENTS WHICH ARE INDICATED OR WHERE SUCH PARTICULAR REQUIREMENTS ARE NOT STATED, THEY SHALL PERFORM IN ACCORDANCE WITH THE PREVAILING RECOGNIZED TRADE STANDARDS OF PERFORMANCE. DURING THE PERIOD OF ONE YEAR REPAIRS OR REPLACEMENTS NECESSARY TO ACCOMPLISH THE REQUIRED PERFORMANCE.
  15. IN THE EVENT OF FAILURE OF ANY WORK, EQUIPMENT OR SERVICE DURING THE LIFE OF THE GUARANTEE, CONTRACTOR SHALL REPAIR OR REPLACE THE DEFECTIVE WORK AND SHALL REMOVE, REPLACE OR RESTORE, AT NO COST TO OWNER, ANY PART OF THE STRUCTURE OR BUILDING WHICH MAY BE DAMAGED AS THE DIRECT RESULT OF HIS DEFECTIVE WORK OR MATERIAL.
  16. ALL ELECTRICAL EQUIPMENT, FUSES AND CIRCUIT BREAKERS SHALL HAVE AN INTERRUPTING RATING NOT LESS THAN THE MAXIMUM SHORT CIRCUIT TO WHICH THEY MAY BE SUBJECTED.
  17. ELECTRICAL CONTRACTOR SHALL SEE THAT ALL CONDUIT, METALLIC RACEWAYS DO NOT MAKE CONTACT WITH PLUMBING LINES AND MECHANICAL DUCTS.
  18. THE CONTRACTOR SHALL BE LICENSED TO PERFORM THE WORK OUTLINED, TO BE FAMILIAR WITH ALL LOCAL CODES HAVING JURISDICTION AND TO HAVE REVIEWED THE DRAWINGS AND SPECIFICATIONS AND VERIFIED THAT ALL SYSTEMS CONTAINED THEREIN ARE IN COMPLIANCE WITH THOSE CODES HAVING JURISDICTION BY THE ACT OF SUBMITTING A BID. THE CONTRACTOR SHALL BE DEEMED TO HAVE ACCEPTED SUCH CONDITIONS AND RESPONSIBILITY AND TO HAVE MADE ALLOWANCES THEREFORE IN PREPARING HIS FIGURES SO THAT THERE WILL BE NO ADDITIONAL COSTS REQUESTED FOR ANY ADDITIONAL REQUIREMENTS MADE BY THOSE AGENCIES HAVING JURISDICTION.
  19. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE NEW UNLESS OTHERWISE NOTED ON DRAWINGS, AND LISTED BY UNDERWRITERS LABORATORIES.
  20. SECONDARY WIRES AND CABLES SHALL BE SINGLE CONDUCTOR, RATED 600 VOLTS, TYPE THHN/THWN INSULATION, COLOR CODES PER INSPECTION AUTHORITY. ALL CONDUCTORS SHALL BE COPPER, NUMBER 12 AWG MINIMUM.
  21. ALL WIRES AND CABLES SHALL BE INSTALLED IN ELECTRICAL METALLIC CONDUIT OR SURFACE METAL RACEWAY, UNLESS OTHERWISE NOTED.
  22. MOUNTING, SUPPORTING, AND ANCHORING OF ALL ELECTRICAL EQUIPMENT SHALL BE IN STRICT COMPLIANCE WITH SEISMIC RESTRAINT REQUIREMENTS OF THE OFFICE OF THE STATE ARCHITECT.
  23. ALL BRANCH CIRCUITS SHOWN ON DRAWING ARE NEW. PANELBOARD CIRCUIT DIRECTORY SHALL BE LABELED (TYPEWRITTEN) AS PER PANEL SCHEDULE.
  26. PENETRATION OF FIRE RATED WALLS, CEILING, OR FLOOR SHALL COMPLY WITH U.B.C. REQUIREMENTS. PENETRATIONS ARE TO BE SEALED PROMPTLY USING APPROVED SEALANT TO INSURE THE INTEGRITY OF THE EXISTING FIRE RATING. FOAM TYPE AEROSOL SEALANT SHALL NOT BE USED.
  27. ALL JUNCTION BOXES, PULL BOXES, CONDUITS ENTERING OR LEAVING AN AREA OR ROOM OR PASSING THROUGH A WALL OR FLOOR FOR BRANCH CIRCUITS SHALL BE CLEARLY MARKED WITH PERMANENT BLACK INK PEN IDENTIFYING THE BRANCH CIRCUIT CONTAINED.
  26. CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR MODIFICATION TO EXISTING WIRING IN PANELBOARD TO SUIT NEW CIRCUITRY.
  27. CORING OR CUTTING IN WALLS OR SLABS REQUIRES PRIOR WRITTEN AUTHORIZATION AND SCHEDULING THROUGH THE ARCHITECT AND BUILDING OWNER AND MUST BE PERFORMED AFTER NORMAL BUILDING HOURS.
  28. ALL METALLIC RACEWAYS, INCLUDING THE EXISTING, SHALL BE SECURELY FASTENED IN PLACE WITH APPROVED HANGERS NOT MORE THAN 10 FEET APART AND WITHIN 3 FEET OF EACH OUTLET BOX, JUNCTION BOX, DEVICE BOX, CABINET, CONDUIT BODY, OR OTHER RACEWAY TERMINATIONS.
  29. SUBMITTALS: CATALOG CUTS SHALL BE SUBMITTED FOR ALL MATERIALS AND EQUIPMENT. SUBMIT MINIMUM 3 COPIES FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
  30. ELECTRICAL CONTRACTOR SHALL FURNISH AS-BUILT DRAWINGS TO THE ARCHITECT ON COMPLETION OF THE JOB.
  31. DRAWINGS DO NOT NECESSARILY SHOW EVERY PULL BOX REQUIRED. ADDITIONAL BOXES MAY BE ADDED WHEN DESIRABLE TO SAVE LABOR AND AVOID DIFFICULTIES; AND WHEN CODE REQUIREMENTS LIMIT THE NUMBER OF BENDS BETWEEN BOXES. ADDITIONAL BOXES SHALL BE PROVIDED WITHOUT ADDED COST TO THE OWNER. BOXES SHALL BE SIZED ACCORDING TO CODE AND SHALL BE UNDERWRITER'S LABORATORIES LISTED. BOXES SHALL BE ACCESSIBLE AT THE TIME OF COMPLETION AND IN FINISHED AREAS SHALL BE LOCATED ONLY AFTER APPROVAL OF ARCHITECT DUE TO APPEARANCE CONSIDERATIONS.
  32. ALL RECEPTACLE, LIGHT SWITCH, DISCONNECT SWITCH SHALL BE LABELED WITH CIRCUIT NUMBER AND PANEL NAME. LABEL SHALL BE WHITE BACKGROUND WITH BLACK LETTERING
  33. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL COMPLETE/SIGNED CALIFORNIA ENERGY COMMISSION ACCEPTANCE FORMS "CEC-NRCA" AND INSTALLATION FORMS "CEC-NRCI" ASSOCIATED WITH ALL LIGHTING AND POWER DESIGN IN THESE DESIGN DRAWINGS, AND SHALL INCLUDE ALL FEE ASSOCIATED WITH THE COMPLETION OF THESE FORMS IN THE BID.

## ABBREVIATIONS

AC.	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
TEL	TELEPHONE
C	CONDUIT
TYP	TYPICAL
C.O.	CONDUIT ONLY
U.O.N.	UNLESS OTHERWISE NOTED
C.B	CIRCUIT BREAKER
CKT	CIRCUIT
DWG	DRAWING
ELEC	ELECTRICAL
ELR	END OF LINE REGISTER
EM	EMERGENCY POWERED
GB	GARBAGE DISPOSAL
GFI	GROUND FAULT INTERRUPTER
I.G.	ISOLATED GROUND
LCP	LIGHTING CONTROL PANEL.
N.I.C.	NOT IN CONTRACT
OFCl	OWNER FURNISH, CONTRACTOR INSTALL
PNL	PANELBOARD
REF	REFRIGERATOR
SAD	SEE ARCHITECTURAL DRAWINGS
SMD	SEE MECHANICAL DRAWINGS
TBD	TO BE DETERMINED
WP	WEATHER PROOF
(R)	RELOCATED
(N)	NEW
(E)	EXISTING TO REMAIN, U.O.N.

- SOLANO COMMUNITY COLLEGE DISTRICT DESIGN STANDARDS SHALL TAKE PRECEDENCE OVER BID DOCUMENTS. DISTRICT STANDARDS CAN BE FOUND ON THE DISTRICT'S WEBSITE. PRIOR TO SUBMITTING A BID CONTRACTOR SHALL REVIEW BID DOCUMENTS AND DISTRICT STANDARDS AND SUBMIT PRE-BID QUESTIONS TO RECEIVE CLARIFICATION VIA ADDENDA. IN NO CASE SHALL A DOCUMENT CALLING FOR LOWER QUALITY AND/OR QUANTITY MATERIAL OR WORKMANSHIP CONTROL.

	ROOM / AREA DAYLIGHT SENSOR EATON, WAVELINX - TMSWPD1
	ROOM / AREA LIGHTING EMERGENCY POWER CONTROL RELAY EATON, WAVELINX - CEPC-2-D
	LIGHTING TYPE / TAG
	PROGRAMMABLE DIMMING SWITCH/WALLSTATION AT 48" AFF EATON, WAVELINX - W4S-RL-S4-W

DRAWING INDEX

EO.10	GENERAL NOTES, ABBREVIATIONS AND LEGEND
EO.20	LIGHTING COMPLIANCE FORMS
EO.21	LIGHTING COMPLIANCE FORMS
EO.22	LIGHTING COMPLIANCE FORMS
EO.23	LIGHTING COMPLIANCE FORMS
EO.24	LIGHTING COMPLIANCE FORMS
EO.30	LIGHTING SCHEDULE AND DETAILS
E1.00	LIGHTING PLAN - BUILDING 1700 NORTH
E1.01	LIGHTING PLAN - BUILDING 1700 SOUTH
E1.10	LIGHTING PLAN - BUILDING 1800 (ADD ALT)

LEGEND
--------

EM		CEILING MOUNTED EXIT LIGHT
	EM	LOW LEVEL WALL MOUNTED EXIT LIGHT
		TELEPHONE CABINET
		EQUIPMENT TAG
		SHEET NOTE TAG.
		ENERGEBCY POWER OFF BUTTON WITH COVER
		EMON DMON WATT METER
		ROOM / AREA LIGHTING CONTROLLER EATON, WAVELINX - WAC-POE
		AREA LIGHTING OCCUPANCY SENSOR EATON, WAVELINX - CWPD-1500
		BACNET INTERFACE - INSIGHT MANAGER EATON, WAVELINX - ELS-IMVRT1
		BUILDING STANDARD PoE NETWORK SWITCH. 10-PORTS MINIMAL, NETGEAR, CISCO OR EQUAL.

# E0.10



STATE OF CALIFORNIA  
INDOOR LIGHTING

CEC-NRCC-LTI-01-E (Revised 04/16)

CALIFORNIA ENERGY COMMISSION



CERTIFICATE OF COMPLIANCE		NRCC-LTI-01-E
Indoor Lighting		(Page 1 of 6)
Project Name: SCC - FAIRFIELD - BUISLING 1700A/1800A	Date Prepared: 12/03/20018	

A. General Information

Climate Zone: 3	Conditioned Floor Area: 53,720 SQ.FT.	
Unconditioned Floor Area:		
Building Type: <input checked="" type="checkbox"/> Nonresidential	<input type="checkbox"/> High-Rise Residential	<input type="checkbox"/> Hotel/Motel
<input checked="" type="checkbox"/> Schools	<input type="checkbox"/> Relocatable Public Schools	<input type="checkbox"/> Conditioned Spaces
Phase of Construction: <input type="checkbox"/> New Construction	<input type="checkbox"/> Addition	<input checked="" type="checkbox"/> Alteration
Method of Compliance: <input type="checkbox"/> Complete Building	<input checked="" type="checkbox"/> Area Category	<input type="checkbox"/> Tailored
Project Address: 4000 Suisun Valley Road, Fairfield, CA 94534		

B. Lighting Compliance Documents (select yes for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

YES	NO	COMP. DOC.	TITLE
<input checked="" type="radio"/>	<input type="radio"/>	NRCC-LTI-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
<input checked="" type="radio"/>	<input type="radio"/>	NRCC-LTI-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
<input checked="" type="radio"/>	<input type="radio"/>	NRCC-LTI-03-E	Indoor Lighting Power Allowance
<input type="radio"/>	<input checked="" type="radio"/>	NRCC-LTI-04-E	Tailored Method Worksheets
<input type="radio"/>	<input checked="" type="radio"/>	NRCC-LTI-05-E	Line Voltage Track Lighting Worksheets
<input type="radio"/>	<input checked="" type="radio"/>	NRCC-LTI-06-E	Indoor Lighting Existing Conditions

STATE OF CALIFORNIA  
INDOOR LIGHTING

CEC-NRCC-LTI-01-E (Revised 04/16)

CALIFORNIA ENERGY COMMISSION



CERTIFICATE OF COMPLIANCE		NRCC-LTI-01-E
Indoor Lighting		(Page 2 of 6)
Project Name: SCC - FAIRFIELD - BUISLING 1700A/1800A	Date Prepared: 12/03/20018	

C. Summary of Allowed Lighting Power

Conditioned and Unconditioned space Lighting must not be combined for compliance

Indoor Lighting Power for Conditioned Spaces				Indoor Lighting Power for Unconditioned Spaces			
	Installed Lighting		Watts		Installed Lighting		Watts
01	NRCC-LTI-01-E, Table H, page 5	+	17299		NRCC-LTI-01-E, Table H, page 5	+	
02	Portable Only for Offices NRCC-LTI-01-E, Table G, page 4	+					
03	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-			Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	
04	Adjusted Installed Lighting Power (row 1 plus row 2 minus row 3)	=	17299		Adjusted Installed Lighting Power (row 1 minus row 3)	=	0
Complies ONLY if Installed ≤ Allowed (Box 04 < Box 05)				Complies ONLY if Installed ≤ Allowed (Box 04 < Box 05)			
05	Allowed Lighting Power Conditioned NRCC-LTI-03-E, page 1 Alterations with replacement luminaires that have at least 50/35% lower power compared to the original existing luminaires, may instead use the allowed wattage from NRCC-LTI-06, page 2		49650		Allowed Lighting Power Unconditioned NRCC-LTI-03-E, page 1 Alterations with replacement luminaires that have at least 50/35% lower power compared to the original existing luminaires, may instead use the allowed wattage from NRCC-LTI-06, page 2		

D. Declaration of Required Certificates of Installation

Declare by selecting yes for all of the Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
<input checked="" type="radio"/>	<input type="radio"/>	NRCI-LTI-01-E - Must be submitted for all buildings	<input type="checkbox"/> Field Inspector
<input checked="" type="radio"/>	<input type="radio"/>	NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/> Field Inspector
<input type="radio"/>	<input checked="" type="radio"/>	NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	<input type="checkbox"/> Field Inspector
<input type="radio"/>	<input checked="" type="radio"/>	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	<input type="checkbox"/> Field Inspector
<input type="radio"/>	<input checked="" type="radio"/>	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	<input type="checkbox"/> Field Inspector
<input type="radio"/>	<input checked="" type="radio"/>	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	<input type="checkbox"/> Field Inspector

STATE OF CALIFORNIA  
INDOOR LIGHTING

CEC-NRCC-LTI-01-E (Revised 04/16)

CALIFORNIA ENERGY COMMISSION



CERTIFICATE OF COMPLIANCE		NRCC-LTI-01-E
Indoor Lighting		(Page 3 of 6)
Project Name: SCC - FAIRFIELD - BUISLING 1700A/1800A	Date Prepared: 12/03/20018	

E. Declaration of Required Certificates of Acceptance

Declare by selecting yes for all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	FORM/TITLE	
<input checked="" type="radio"/>	<input type="radio"/>	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	<input type="checkbox"/> Field Inspector
<input checked="" type="radio"/>	<input type="radio"/>	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	<input type="checkbox"/> Field Inspector
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	<input type="checkbox"/> Field Inspector
<input type="radio"/>	<input checked="" type="radio"/>	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	

A Separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for: ☒ CONDITIONED SPACE ☐ UNCONDITIONED SPACE

F. Indoor Lighting Schedule and Field Inspection Energy Checklist

- ☒ The actual indoor lighting power listed on the next 2 pages includes all installed permanent and planned portable lighting systems.
- ☐ When Complete Building Method is used for compliance, list each different type of luminaire on separate lines.
- ☒ When Area Category Method or Tailored Method is used for compliance, list each different type of luminaire by each different function area on separate lines
- ☐ Also include track lighting in schedule, and submit the track lighting compliance document (NRCC-LTI-05-E) when line-voltage track lighting is installed.

STATE OF CALIFORNIA  
INDOOR LIGHTING

CEC-NRCC-LTI-01-E (Revised 04/16)

CALIFORNIA ENERGY COMMISSION



CERTIFICATE OF COMPLIANCE		NRCC-LTI-01-E
Indoor Lighting		(Page 4 of 6)
Project Name: SCC - FAIRFIELD - BUISLING 1700A/1800A	Date Prepared: 12/03/20018	

G. Installed Portable Luminaires in Offices – Exception to Section 140.6(a)

- This section shall be filled out ONLY for portable luminaires in offices (As defined in §100.1). All other planned portable luminaires shall be documented on next page of this compliance document.
- This section is used to determine if greater than 0.3 watts of portable lighting is planned for any office
- Fill out a separate line for each different office. Small offices that are typical (having the same general and portable lighting) may be grouped together. This allowance shall not be traded between offices having different lighting systems.

Office Portable Luminaire Schedule		Office Installed Portable Luminaire W/ft <sup>2</sup>						Office Location	Field Inspector	
01	02	03	04	05	06	07	08	09	10	
Complete Luminaire Description (i.e., LED, under cabinet, furniture mounted direct/indirect)	Watts per Luminaire	Number of Luminaires	Installed portable luminaire watts in this office (G02 x G03)	Square feet of this office (G04 / G05)	Watts per square foot (G04 / G05)	If G06 ≤ 0.3, enter zero;	(G05 x G07)	Identify Office area in which these portable luminaires are installed	Pass	Fail
						If G06 > 0.3, (G06-0.3)				
			0							
			0			0				
			0			0				
			0			0				
Total installed portable luminaire watts that are greater than 0.3 W/ft <sup>2</sup> per office:								Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

OWNER:

**SOLANO COMMUNITY  
COLLEGE DISTRICT**  
4000 Suisun Valley Road  
Fairfield, CA 94534

ARCHITECT:

**CA ARCHITECTS**  
475 Gate Five Road, Suite 107  
Sausalito, CA 94965  
**T** 415.331.7655  
**F** 415.331.7656

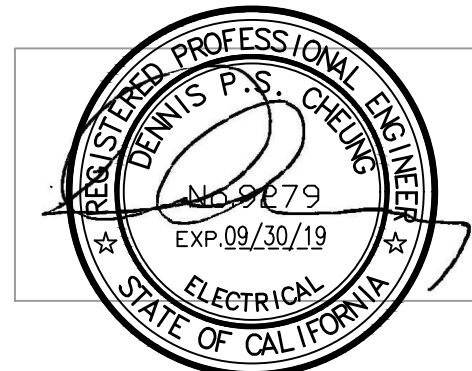
PROJECT:

SCCD  
BUILDING LIGHTING  
UPGRADE PROJECT

CONSULTANT TEAM:

**C & N Engineers, Inc.**  
391 Baker Street, Suite 202  
San Francisco, CA 94108  
Tel: (415) 982-1828 • Fax: (415) 982-8005

STAMP



SHEET LEGEND:

ISSUE/REVISION:

NO.	DATE	DESCRIPTION:
1.	11/15/2018:	50% CD
2.	11/30/2018:	ISSUE FOR REVIEW
3.	12/05/2016:	BID SET

KEY PLAN:

SCALE: \_\_\_\_\_ NO SCALE  
DATE: \_\_\_\_\_  
PROJECT NO.: \_\_\_\_\_  
PERMIT APPLICATION NO.: \_\_\_\_\_

**LIGHTING  
COMPLIANCE FORMS**

**E0.20**



STATE OF CALIFORNIA  
**INDOOR LIGHTING**

CEC-NRCC-LTI-01-E (Revised 04/16)

CALIFORNIA ENERGY COMMISSION

**CERTIFICATE OF COMPLIANCE**

NRCC-LTI-01-E

Indoor Lighting

(Page 5 of 6)

Project Name: SCC - FAIRFIELD - BUISLING 1700A/1800A

Date Prepared: 12/03/20018

A Separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:

☐ **CONDITIONED SPACE** ☐ **UNCONDITIONED SPACE**

**H. Indoor Lighting Schedule and Field Inspection Energy Checklist**

Luminaire Schedule		Installed Watts					Location	Field Inspector <sup>1</sup>			
01	02	03	04		05	06	07	08			
Name or Item Tag	Complete Luminaire Description (i.e. 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per Luminaire	How wattage was determined		Number Luminaires	Total Installed Watts in this area (H03 x H05)	Primary Function area in which these luminaires are installed	Pass	Fail		
			CEC Default from NA8	According to §130.0(c)							
			<input type="checkbox"/>	<input type="checkbox"/>						0	
			<input type="checkbox"/>	<input type="checkbox"/>						0	
			<input type="checkbox"/>	<input type="checkbox"/>						0	
			REFERENCE	<input type="checkbox"/>						<input type="checkbox"/>	0
			LIGHT FIXTURE	<input type="checkbox"/>						<input type="checkbox"/>	0
			TABLE TO THE RIGHT	<input type="checkbox"/>						<input type="checkbox"/>	0
				<input type="checkbox"/>						<input type="checkbox"/>	0
		<input type="checkbox"/>	<input type="checkbox"/>	0			<input type="radio"/>	<input type="radio"/>			
INSTALLED WATTS PAGE TOTAL:						0	Enter sum total of all pages into NRCC-LTI-01-E; Page 2				

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

April 2016

LUMINAIRE SCHEDULE		INSTALLED WATTS				LOCATION	FIELD INSPECTOR	
1	2	3	4	5	6	7	8	
		WATTS PER LUMINAIRE	CEC DEFAULT FROM NA8	ACCORDING TO 130.0(c)	NUMBER LUMINAIRES	TOTAL INSTALLED WATTS IN THIS AREA		
ITEM TAG	DESCRIPTION					PRIMARY FUNCTION AREA IN WHICH THESE LUMINAIRES ARE INSTALLED	PASS	FAIL
A	2x4 RECESSED FIX W/ LED RETROFIT KIT, DIM	37	X		80	2960	CLASSROOM/OFFICE	
B	RECESS. DOWNLIGHT W/ LED RETRO KIT, DIM	29	X		51	1479	LOBBY/HW/CORRIDOR	
C	1X4 SURF. MNT LED FIXTURE, DIM	47	X		105	4935	THROUGH OUT BUILDING	
C1	LIN. SURF. MNT LED FIX W/ WIREGUARD, DIM	47	X		45	2115	LOCKER ROOMS	
E	2x2 RECESSED FIX W/ LED RETROFIT KIT, DIM	32	X		13	416	HALLWAY/CORRIDOR	
E1	2x2 SURF MNT LED FIXTURE, DIM	29	X		17	493	HALLWAY/CORRIDOR	
G	8FT LIN. SURF. MNT LED FIX W/ WIREGUARD, DIM	40	X		49	1960	GYMNASIUM	
J	HIGH CEILING ROUND PEND. LED FIXTURE, DIM	191	X		9	1719	STUDIO	
K	TRACK LIGHTS W/ 9W LED HEAD & 100W CL, DIM.	100	X		7	700	HALLWAY/CORRIDOR/CONF	
N	SUSPENDED LINEAR LED FIXTURE, DIM	57	X		6	342	CONFERENCE ROOM	
P	ROUND LED PENDANT UPLIGHT, DIMMABLE	45	X		4	180	ENTRANCE LOBBY	
						0		
						0		
						0		
INSTALLED WATTS TOTAL:					17299			

STATE OF CALIFORNIA  
**INDOOR LIGHTING**

CEC-NRCC-LTI-01-E (Revised 04/16)

CALIFORNIA ENERGY COMMISSION

**CERTIFICATE OF COMPLIANCE**

NRCC-LTI-01-E

Indoor Lighting


(Page 6 of 6)

Project Name: SCC - FAIRFIELD - BUISLING 1700A/1800A

Date Prepared: 12/03/20018

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**


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

Documentation Author Name: Dennis Cheung	Documentation Author Signature: 
Company: C&N Engineers, Inc	Signature Date: 12/03/20018
Address: 391 Sutter Street, Suite 202	CEA Certification Identification (if applicable):
City/State/Zip: San Francisco, CA 94108	Phone: 415-982-1828

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**

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

- The information provided on this Certificate of Compliance is true and correct.
- 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).
- 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.
- 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.
- 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: Dennis Cheung	Responsible Designer Signature: 
Company: C&N Engineers, Inc	Date Signed: 12/03/20018
Address: 391 Sutter Street, Suite 202	License: E9279
City/State/Zip: San Francisco, CA 94108	Phone: 415-982-1828

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

April 2016

OWNER:

**SOLANO COMMUNITY  
COLLEGE DISTRICT**  
4000 Suisun Valley Road  
Fairfield, CA 94534

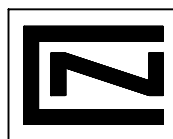
ARCHITECT:

**CA ARCHITECTS**  
475 Gate Five Road, Suite 107  
Sausalito, CA 94965  
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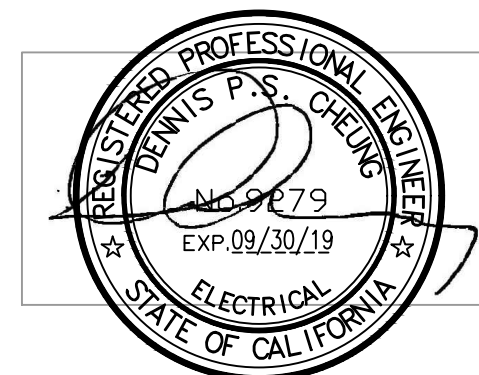
PROJECT:

SCCD  
BUILDING LIGHTING  
UPGRADE PROJECT

CONSULTANT TEAM:

 **C & N Engineers, Inc.**  
391 Sutter Street, Suite 202  
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STAMP



SHEET LEGEND:

ISSUE/REVISION:

NO.	DATE	DESCRIPTION:
1.	11/15/2018:	50% CD
2.	11/30/2018:	ISSUE FOR REVIEW
3.	12/05/2016:	BID SET

KEY PLAN:

SCALE: NO SCALE  
DATE:  
PROJECT NO.:  
PERMIT APPLICATION NO.:

**LIGHTING  
COMPLIANCE FORMS**

**E0.21**



STATE OF CALIFORNIA

INDOOR LIGHTING – LIGHTING CONTROLS

CEC-NRCC-LTI-02-E (Revised 01/16)

CERTIFICATE OF COMPLIANCE

Indoor Lighting - Lighting Controls

Project Name: SCC - FAIRFIELD - BUISLING 1700A/1800A

Date Prepared: 12/05/20018

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-02-E

(Page 1 of 3)

A. Mandatory Lighting Control Declaration Statements (Indicate if the measure applies by checking yes or no below.)

YES	NO	Control Requirements
<input checked="" type="radio"/>	<input type="radio"/>	Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 110.9.
<input checked="" type="radio"/>	<input type="radio"/>	Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b).
<input checked="" type="radio"/>	<input type="radio"/>	One or more Track Lighting Integral Current Limiters shall be installed which have been certified to the Energy Commission in accordance with §110.9 and §130.0. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b).
<input checked="" type="radio"/>	<input type="radio"/>	A Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 110.9 and Section 130.0. Additionally, an Installation Certificate shall be installed in accordance with Section 130.4(b).
<input checked="" type="radio"/>	<input type="radio"/>	All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with Section 130.1.
<input checked="" type="radio"/>	<input type="radio"/>	All luminaires shall be functionally controlled with manual ON and OFF lighting controls in accordance with Section 130.1(a).
<input checked="" type="radio"/>	<input type="radio"/>	General lighting shall be separately controlled from all other lighting systems in an area. Floor and wall display, window display, case display, ornamental, and special effects lighting shall each be separately controlled on circuits that are 20 amps or less. When track lighting is used, general, display, ornamental, and special effects lighting shall each be separately controlled; in accordance with Section 130.1(a)4.
<input checked="" type="radio"/>	<input type="radio"/>	The general lighting of any enclosed area 100 square feet or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the multi-level lighting control requirements in accordance with Section 130.1(b).
<input checked="" type="radio"/>	<input type="radio"/>	All installed indoor lighting shall be equipped with controls that meet the applicable Shut-OFF control requirements in Section 130.1(c).
<input checked="" type="radio"/>	<input type="radio"/>	Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(d) and daylit zones are shown on the plans.
<input checked="" type="radio"/>	<input type="radio"/>	Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Responsive Signal in accordance with Section 130.1(e).
<input checked="" type="radio"/>	<input type="radio"/>	Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with Section 130.4 (a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-OFF controls, and demand responsive controls.

STATE OF CALIFORNIA

INDOOR LIGHTING – LIGHTING CONTROLS

CEC-NRCC-LTI-02-E (Revised 01/16)

CERTIFICATE OF COMPLIANCE

Indoor Lighting - Lighting Controls

Project Name: SCC - FAIRFIELD - BUISLING 1700A/1800A

Date Prepared: 12/05/20018

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-02-E

(Page 2 of 3)

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:

☒ CONDITIONED SPACES    ☐ UNCONDITIONED SPACES

B. Mandatory and Prescriptive Indoor Lighting Control Schedule, PAF Calculation, and Field Inspection Checklist

Lighting Control Schedule			Standards Complying With <sup>1</sup> (✓ all that apply, or leave empty if Exempted)										PAF Credit Calculation <sup>2</sup>			✓ if Acceptance Test Required	Field Inspector
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15			
Location in Building	Type/ Description of Lighting Control (i.e.: occupancy sensor, automatic time switch, dimmer, automatic daylight, etc...)	# of Units	§130.1(a)	§130.0(b)	§130.1(c)	§130.1(d)	§130.1(e)	§140.6(a)2	§140.6(d)								
BUILDING 1700A	INTEGRATED OS, DL/DIMMER	75	•		•	•						0	<input checked="" type="checkbox"/>	<input type="radio"/>			
BUILDING 1800A	INTEGRATED OS, DL/DIMMER	30	•		•	•						0	<input checked="" type="checkbox"/>	<input type="radio"/>			
												0	<input checked="" type="checkbox"/>	<input type="radio"/>			
												0	<input type="checkbox"/>	<input type="radio"/>			
												0	<input type="checkbox"/>	<input type="radio"/>			
												0	<input type="checkbox"/>	<input type="radio"/>			
Control Credit PAGE TOTAL (Sum of Column 13):													0				
IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of all Column 13):																	
													Enter Control Credit total into NRCC-LTI-01-E, Page 1.				

1. §130.1(a) = Manual area controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = Additional lighting controls installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls.

2. Check Table 140.6-A for correct Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is also required to be filled out, signed, and submitted.

STATE OF CALIFORNIA

INDOOR LIGHTING – LIGHTING CONTROLS

CEC-NRCC-LTI-02-E (Revised 01/16)

CERTIFICATE OF COMPLIANCE

Indoor Lighting - Lighting Controls

Project Name: SCC - FAIRFIELD - BUISLING 1700A/1800A

Date Prepared: 12/05/20018

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-02-E

(Page 3 of 3)

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Dennis Cheung

Documentation Author Signature: 

Company: C&N Engineers, Inc

Signature Date: 12/03/20018

Address: 391 Sutter Street, Suite 202

CEA Certification Identification (if applicable):

City/State/Zip: San Francisco, CA 94108

Phone: 415-982-1828

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: Dennis Cheung

Responsible Designer Signature: 

Company: C&N Engineers, Inc

Date Signed: 12/03/20018

Address: 391 Sutter Street, Suite 202

License: E9279

City/State/Zip: San Francisco, CA 94108

Phone: 415-982-1828

OWNER:

**SOLANO COMMUNITY COLLEGE DISTRICT**  
4000 Suisun Valley Road  
Fairfield, CA 94534

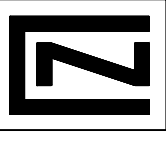
ARCHITECT:

**CA ARCHITECTS**  
475 Gate Five Road, Suite 107  
Sausalito, CA 94965  
T 415.331.7655  
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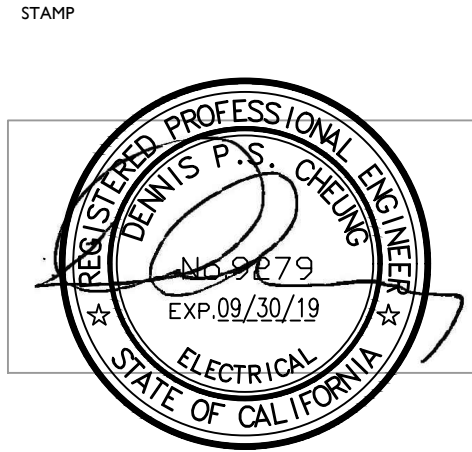
PROJECT:

SCCD  
BUILDING LIGHTING  
UPGRADE PROJECT

CONSULTANT TEAM:



**C & N Engineers, Inc.**  
391 Sutter Street, Suite 202  
San Francisco, CA 94108  
Tel: (415) 982-1828 • Fax: (415) 982-8005



SHEET LEGEND:

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NO.	DATE	DESCRIPTION:
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KEY PLAN:

SCALE: NO SCALE

DATE:

PROJECT NO.:

PERMIT APPLICATION NO.:

LIGHTING  
COMPLIANCE FORMS

E0.22



STATE OF CALIFORNIA <b>INDOOR LIGHTING POWER ALLOWANCE</b> SEC-NRCC-LTI-03-E (Revised 04/16)		 CALIFORNIA ENERGY COMMISSION	
<b>CERTIFICATE OF COMPLIANCE</b>		<b>NRCC-LTI-03-E</b>	
Certificate of Compliance - Indoor Lighting Power Allowance		(Page 1 of 4)	
Project Name: <b>SCC - FAIRFIELD - BUISLING 1700A/1800A</b>		Date Prepared: <b>12/03/2018</b>	

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:

☒ **CONDITIONED spaces**
                 
 ☐ **UNCONDITIONED spaces**

**A. SUMMARY TOTALS OF LIGHTING POWER ALLOWANCES** [i]

If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts.

If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in column (b) as the total allowed building watts

	(a)	(b)
01 Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page)	0	
02 Area Category Method Allowed Watts. Documented in section C-1 of NRCC-LTI-03-E (below on this page)		49650
03 Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-04-E		
<b>TOTAL ALLOWED BUILDING WATTS. Enter number into correct cell on NRCC-LTI-01, Page 2, Row 1</b>	0	49650

☐ Check here if building contains both conditioned and unconditioned areas.

**B. COMPLETE BUILDING METHOD LIGHTING POWER ALLOWANCE** [i]

01	02	X	03	=	04
TYPE OF BUILDING (From §140.6 Table 140.6-B)	WATTS PER Ft <sup>2</sup>		COMPLETE BLDG. AREA		ALLOWED WATTS
					0
Total Area:					
Total Watts. Enter Total Watts into section A, row 1 (Above on this page)					0

**C -1 AREA CATEGORY METHOD TOTAL LIGHTING POWER ALLOWANCES** [i]

	Watts
Total from section C-2.	49650
Total from section C-3.	
Total Watts. Enter Total Watts into section A, row 2 (Above on this page).	49650

**For Alterations Only** – Reduced lighting power option (Total Allowed Watts x 0.85). Enter this value into section A, row 2 if using this option.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

April 2016

[illegible]

STATE OF CALIFORNIA  
**INDOOR LIGHTING POWER ALLOWANCE**  
CSC-NRCC-LTI-03-E (Revised 04/16)

CALIFORNIA ENERGY COMMISSION  
**NRCC-LTI-03-E**  
(Page 2 of 4)

**CERTIFICATE OF COMPLIANCE**  
Certificate of Compliance - Indoor Lighting Power Allowance  

Project Name: **SCC - FAIRFIELD - BUSLING 1700A/1800A**
Date Prepared: **12/03/2018**

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:

☒ **CONDITIONED spaces**
☐ **UNCONDITIONED spaces**

**C-2 AREA CATEGORY METHOD GENERAL LIGHTING POWER ALLOWANCE**

- Do not include portable lighting for offices. Portable lighting for offices shall be documented only in Section G of NRCC-LTI-01-E.

- Separately list lighting for each primary function area as defined in §100.1 of the Standards.

01		02	X	03	=	04
AREA CATEGORY (From §140.6 Table 140.6-C)		WATTS PER ft <sup>2</sup>		AREA (ft <sup>2</sup> )		ALLOWED WATTS
Location in Building	Primary Function Area per Table 140.6-C					
						0
Ground floor Building 1700A	GYMNASIUM AREA	1.0		16420		16420
Ground floor Building 1700A	CORRIDOR/Restroom/STORAGE	0.6		6112		3667.2
Ground floor Building 1700A	RECEPTION/LOBBY	0.95		1751		1663.45
Ground floor Building 1700A	OFFICE	1.0		12552		12552
Ground floor Building 1700A	ELECTRICAL / IT / COPY ROOM	0.55		689		378.95
Ground floor Building 1700A	CONFERENCE ROOM	1.2		2445		2934
Ground floor Building 1700A	LOCKER/DRESSING ROOM	0.7		4554		3187.8
Ground floor Building 1700A	KITCHEN/FOOD PREP	1.2		289		346.8
						0
Ground floor Building 1800A	Classroom	1.2		3613		4335.6
Ground floor Building 1800A	CORRIDOR/Restroom/STORAGE	0.6		2662		1597.2
Ground floor Building 1800A	OFFICE/FACILITY WORKROOM/PHOTO ROOMS	1.0		2411		2411
Ground floor Building 1800A	MECH/IT ROOM	0.7		222		155.4
						0
						0
TOTALS				53720		
Enter sum total Area Category allowed watts into section C-1 of NRCC-LTI-03-E (this compliance document)						49650
						WATTS

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

April 2016

STATE OF CALIFORNIA <b>INDOOR LIGHTING POWER ALLOWANCE</b> CEC-NRCC-LTI-03-E (Revised 04/10)		 CALIFORNIA ENERGY COMMISSION
<b>CERTIFICATE OF COMPLIANCE</b> Certificate of Compliance - Indoor Lighting Power Allowance		<b>NRCC-LTI-03-E</b> (Page 4 of 4)
Project Name: <b>SCC - FAIRFIELD - BUSISING 1700A/1800A</b>	Date Prepared: <b>12/03/2018</b>	

<b>DOCUMENTATION AUTHOR'S DECLARATION STATEMENT</b>	
1. I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: <b>Dennis Cheung</b>  Company: <b>C&amp;N Engineers, Inc</b>  Address: <b>391 Sutter Street, Suite 202</b>  City/State/Zip: <b>San Francisco, CA 94108</b>	Documentation Author Signature:  Signature Date: <b>12/03/20018</b>  CEA Certification Identification (if applicable):  Phone: <b>415-982-1828</b>
<b>RESPONSIBLE PERSON'S DECLARATION STATEMENT</b>	
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: <b>Dennis Cheung</b>  Company: <b>C&amp;N Engineers, Inc</b>  Address: <b>391 Sutter Street, Suite 202</b>  City/State/Zip: <b>San Francisco, CA 94108</b>	Responsible Designer Signature:  Date Signed: <b>12/03/20018</b>  License: <b>E9279</b>  Phone: <b>415-982-1828</b>

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

April 2016

OWNER:

**SOLANO COMMUNITY  
COLLEGE DISTRICT**


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Fairfield, CA 94534

ARCHITECT:  
**CA ARCHITECTS**  
475 Gate Five Road, Suite 107  
Sausalito, CA 94965  
**T** 415.331.7655  
**F** 415.331.7656

PROJECT:

SCCD  
BUILDING LIGHTING  
UPGRADE PROJECT

CONSULTANT TEAM:

 C & N Engineers, Inc.

391 Sutter Street, Suite 202  
San Francisco, CA 94108  
Tel: (415) 982-1828 • Fax: (415) 982-8005



SHEET LEGEND:

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**KEY PLAN:**

SCALE:	NO SCALE
DATE:	
PROJECT NO:	
PERMIT APPLICATION NO.:	

# LIGHTING COMPLIANCE FORMS


## E0.23



**SOLANO COMMUNITY  
COLLEGE DISTRICT**  
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SCCD  
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## LIGHTING COMPLIANCE FORMS

# E0.24

STATE OF CALIFORNIA

**LINE-VOLTAGE TRACK LIGHTING WORKSHEET**

GEO-NRCC-LTI-05-E (Revised 01/10)

CALIFORNIA ENERGY COMMISSION

**NRCC-LTI-05-E**

CERTIFICATE OF COMPLIANCE

**Indoor Lighting – Line-Voltage Track Lighting Worksheet**

(Page 1 of 2)

Project Name: **SCC - FAIRFIELD - BUSLING 1700A/1800A**

Date Prepared: **12/03/2018**

☐ There are four different methods available for determining how many watts of line-voltage track, or line-voltage busway, has been installed. One or more methods may be used to determine how many watts of line-voltage track, or line-voltage busway, has been installed. Use this worksheet to separately calculate the input wattage for each system.  
☐ Separately enter each row of this worksheet into the Luminaire Schedule in Section H of NRCC-LTI-01-E  
☐ Method 1 is the only option available for determining wattage for track or busway rated for more than 20 amperes

☐ **A. METHOD 1 – VOLT-AMPERE (VA) RATING OF THE BRANCH CIRCUIT(S)**

01	02
BRANCH CIRCUIT NAME OR ID	VOLT-AMPERE (VA) RATING OF THE BRANCH CIRCUIT

☐ **B. METHOD 2 – USE THE HIGHER OF 45 WATTS PER LINEAL FOOT OF TRACK OR TOTAL RATED WATTAGE OF ALL LUMINAIRES**

01	02	03	04	05	06
Track or Name #	Lineal Feet of Track	(W/LF)	B02 x B03 (W)	Total Rated Wattage of All Luminaires	Larger of (B04 or B05)
		45	0		
		45	0		
		45	0		

☒ **C. METHOD 3 – USE THE HIGHER OF: 12.5 WATTS / LINEAL FOOT OF TRACK – OR VA RATING OF INTEGRAL CURRENT LIMITER**

☐ Only integral current limiters which are certified to the Energy Commission shall be recognized by the Standards.  
☐ This method shall not be recognized if an Installation Certificate is not submitted.

01	02	03	04	05	06
Track or Name #	Lineal Feet of Track	(W/LF)	C02 x C03 (W)	VA Rating of Integral Current Limiter	Larger of (C04 or C05)
	8	12.5	100	100	
		12.5	0		
		12.5	0		

☐ **D. METHOD 4 - DEDICATED TRACK LIGHTING SUPPLEMENTARY OVERCURRENT PROTECTION PANEL**

☐ This method shall not be recognized if an Installation Certificate is not submitted.  
☐ This method shall be used only for line-voltage track lighting, and shall not be recognized for any other lighting systems. If any other lighting systems or devices are installed, the supplementary overcurrent protection panel shall not be recognized for compliance with the Standards

01	02	03	04
Name or ID	Voltage of the Branch Circuit	Sum of the Ampere Rating of all Devices Installed in the Panel	Wattage = Sum of the Ampere Ratings of all of the Devices Times the Branch Circuit Voltage (D02 x D03)
			0
			0
			0

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

January 2016

STATE OF CALIFORNIA <b>LINE-VOLTAGE TRACK LIGHTING WORKSHEET</b> CEC-NRCC-LTI-05-E (Revised 01/10)		 CALIFORNIA ENERGY COMMISSION <b>NRCC-LTI-05-E</b> (Page 2 of 2)
<b>CERTIFICATE OF COMPLIANCE</b>		
<b>Indoor Lighting – Line-Voltage Track Lighting Worksheet</b>		
Project Name: <b>GCC - FAIRFIELD - BUISLING 1700A/1800A</b>	Date Prepared: <b>12/03/2018</b>	

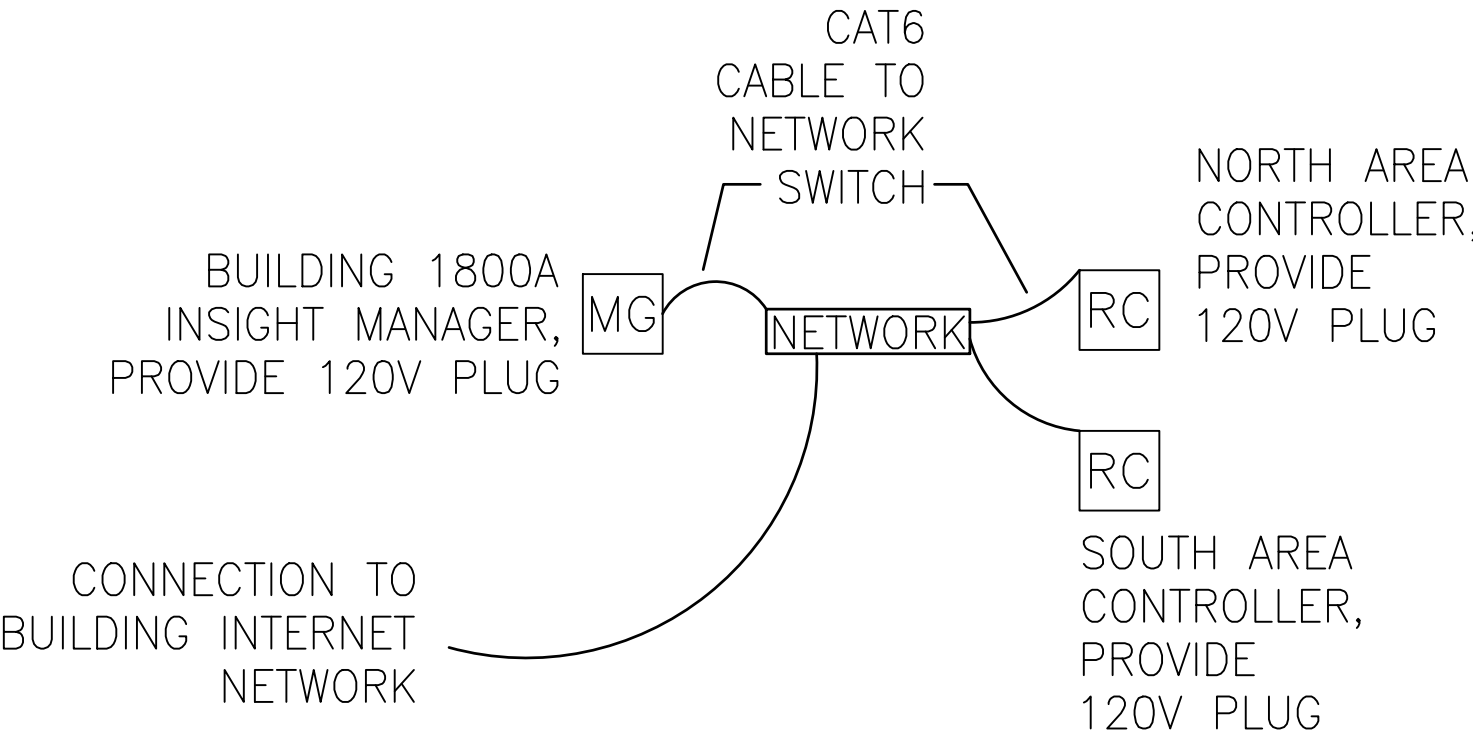
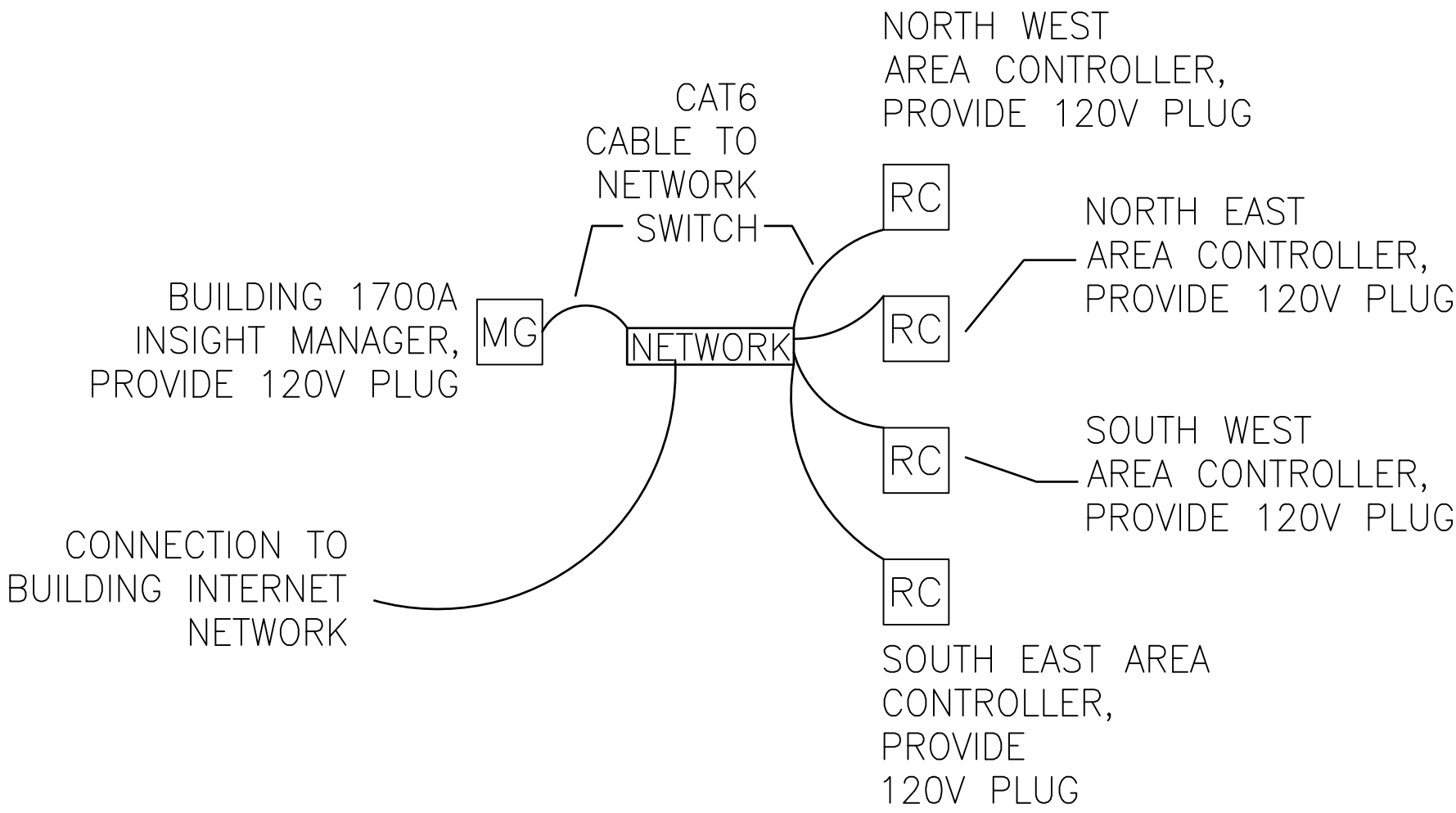
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City/State/Zip: <b>San Francisco, CA 94108</b>	Phone: <b>415-982-1828</b>
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CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance

January 2016





LIGHTING CONTROL WIRING DIAGRAM

LIGHTING FIXTURE SCHEDULE (BUILDING 1700A)							
QUANTITY	SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NUMBER	LAMPS	MOUNTING	COMMENTS
80	ⓐ	RECESSED 2X4 LED LIGHT FIXTURE	EATON LIGHTING	METALUX – 24CZRK–LD4–40–UNV–L840 –CD1–SWPD1–U	LED 37W	RETROFIT IN EXISTING HOUSING	PROVIDE DIMMING
51	ⓑ	RECESSED LED DOWNLIGHT	EATON LIGHTING	PR8R–30–D010–SWPD1 –PRM834–MD–MW	LED 29W	RETROFIT IN EXISTING HOUSING	PROVIDE DIMMING
105	ⓒ	SURFACE MNT. 1X4 LED LIGHT FIXTURE	EATON LIGHTING	DSI–WS–5–L40–LD2–1–D –UNV–SU–JB–4–STD–SWPD1–W	LED 47W	SURFACE	PROVIDE DIMMING
45	ⓓ	SURFACE MNT. 1X4 LED LIGHT FIXTURE	EATON LIGHTING	4SRL–LD5–61SL–UNV–L840–CD1–SWPD1–U	LED 47W	SURFACE	PROVIDE DIMMING FURNISH WITH WIRE GUARD
13	ⓔ	RECESSED 2X2 LED LIGHT FIXTURE	EATON LIGHTING	METALUX – 22CZRK–LD4–34–UNV–L840 –CD1–SWPD1–U	LED 32W	RETROFIT IN EXISTING HOUSING	PROVIDE DIMMING
49	ⓕ	SURFACE MNT. 8FT LED LIGHT FIXTURE	EATON LIGHTING	8SRL–LD5–61SL–UNV–L840–CD1–SWPD1–U	LED 40W	SURFACE	PROVIDE DIMMING FURNISH WITH WIRE GUARD
9	ⓖ	SURFACE MNT. HIGH CEING LED LIGHT FIXTURE	EATON LIGHTING	SSLED–LD5–24–M–UNV–L850 –CD2–SVPD3–U	LED 191W	SURFACE	PROVIDE DIMMING
6	ⓗ	PENDANT MNT. LINEAR LED LIGHT FIXTURE	EATON LIGHTING	J3–FL–80L840–1D–UNV–STD –SWPD1–W–AC48–XX–4	LED 57.2W	PENDANT	PROVIDE DIMMING
4	ⓓ ⓔ	SURFACE MNT. 8FT LED LIGHT FIXTURE	EATON LIGHTING	LSMP–45–W–90–UNV–40 –D010TE–LPS36–P	LED 45W	PENDANT	PROVIDE DIMMING
**QUANTITIES OF LIGHTING FIXTURES ARE PROVIDED FOR REFERENCE ONLY. CONTRACTOR SHALL COMPARE FIXTURE SCHEDULE WITH LIGHTING PLAN AND IF A DISCREPANCY EXISTS, SHALL INCLUDE THE HIGHER QUANTITY IN THEIR BID.							

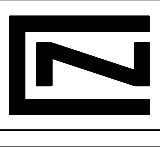
LIGHTING FIXTURE SCHEDULE ( ADD ALT - BUILDING 1800A)							
QUANTITY	SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NUMBER	LAMPS	MOUNTING	COMMENTS
59	ⓐ	RECESSED 2X4 LED LIGHT FIXTURE	EATON LIGHTING	METALUX – 24CZRK–LD4–40–UNV–L840 –CD1–SWPD1–U	LED 37W	RETROFIT IN EXISTING HOUSING	PROVIDE DIMMING
20	ⓑ	SURFACE MNT. 1X4 LED LIGHT FIXTURE	EATON LIGHTING	DSI–WS–5–L40–LD2–1–D –UNV–SU–JB–4–STD–SWPD1–W	LED 47W	SURFACE	PROVIDE DIMMING
17	ⓒ	RECESSED 2X2 LED LIGHT FIXTURE	EATON LIGHTING	METALUX – 22CZ–LD5–34–UNV–L840 –CD1–SWPD1–U–SK–22–WS	LED 29W	SURFACE	PROVIDE DIMMING
7	ⓓ	SURFACE MNT. TRACKLIGHT			REPLACE HEADS WITH LED EQUAL 9W		PROVIDE DIMMING VIA DIMMING MODULE
**QUANTITIES OF LIGHTING FIXTURES ARE PROVIDED FOR REFERENCE ONLY. CONTRACTOR SHALL COMPARE FIXTURE SCHEDULE WITH LIGHTING PLAN AND IF A DISCREPANCY EXISTS, SHALL INCLUDE THE HIGHER QUANTITY IN THEIR BID.							

OWNER:  
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PROJECT:  
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ISSUE/REVISION:

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PERMIT APPLICATION NO.:

LIGHTING FIXTURE  
SCHEDULE & DETAILS

E0.30

SHEET NOTES

- 1

CIRCUIT NUMBERS ARE SCHEMATIC AND SHOW THE DESIGN INTENTION AND LOAD BALANCE REQUIREMENTS. CONTRACTOR SHALL VERIFY ALL EXISTING AVAILABLE CIRCUITS AND THOSE, WHICH BECOME AVAILABLE AS A RESULT OF DEMOLITION. CONTRACTOR SHALL INDICATE ACTUAL CIRCUITS USED ON AS-BUILD DRAWINGS.
- 2

FURNISH AND INSTALL NEW BUILDING STANDARD LED FIXTURE WITH DIMMING CAPABILITY IN PLACE OF EXISTING FIXTURE AND CONNECT TO EXISTING CIRCUIT IN THE AREA.
- 3

REPLACE EXISTING SWITCH WITH NEW WAVELINX WALLSTATION/DIMMER SWITCH AND CONNECT TO LIGHT FIXTURES IN THE AREA. PROVIDE WALL COLOR MATCHING BLANK COVER FOR ANY UNUSED GANG.
- 4

FURNISH AND INSTALL NEW CEILING MOUNTED WAVELINX OCCUPANCY SENSOR FOR LIGHTS IN THE AREA.
- 5

FURNISH AND INSTALL NEW CEILING MOUNTED WAVELINX DAY LIGHT SENSOR FOR LIGHTS IN DAYLIT AREA.
- 6

ALL LIGHT SWITCHES/WALLSTATION SHALL BE LABEL WITH PANEL NAME AND CIRCUIT NUMBER ON WHITE BACKGROUND LABEL WITH BLACK LETTERING
- 7

ALL CORE AREAS (HALLWAY AND RECEPTION AREA) LIGHTS SHALL BE PROGRAMMED TO DIM TO 50% WHEN AREA IS NOT OCCUPIED.
- 8

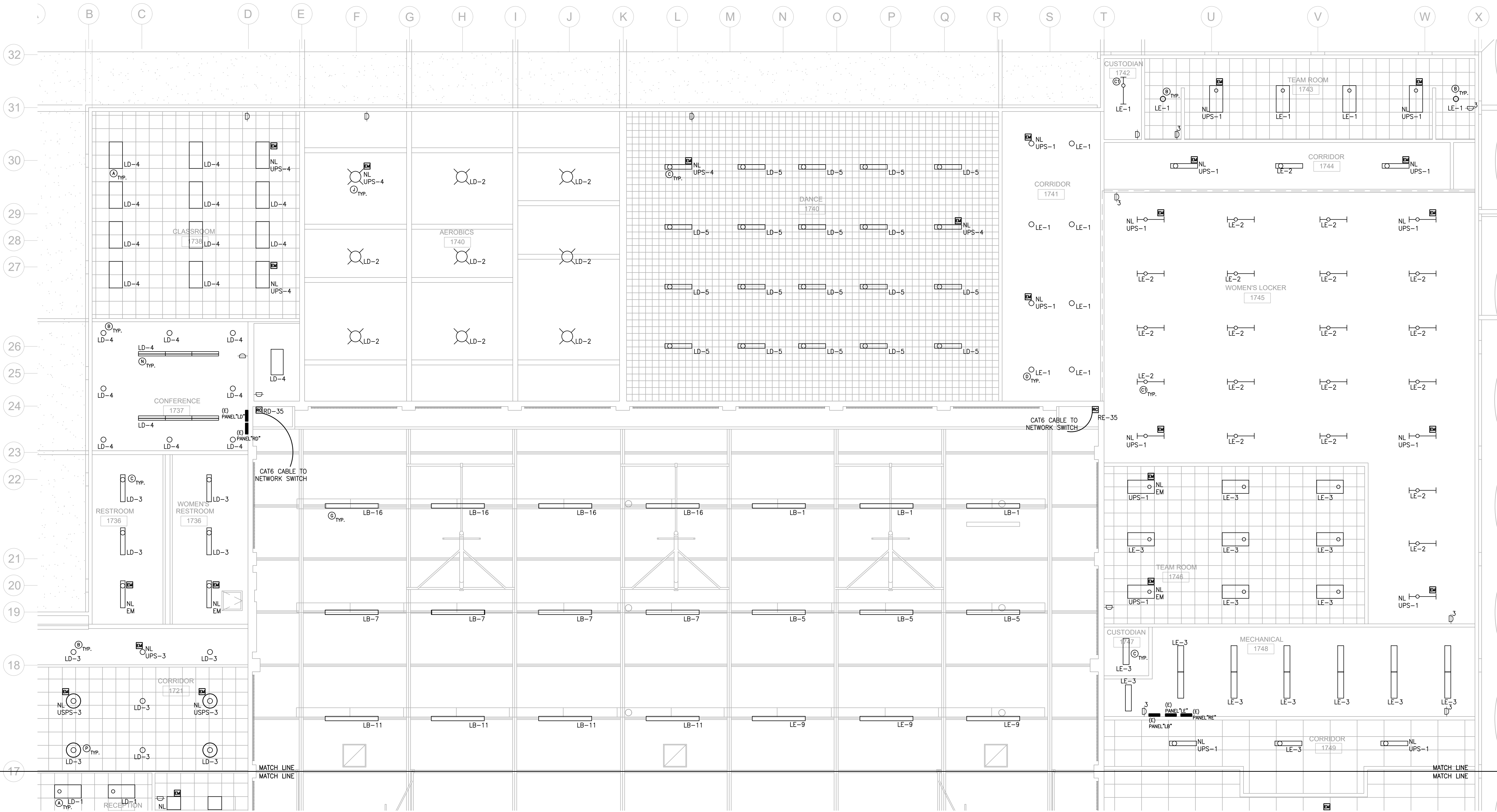
DURING DEMOLITION, CONTRACTOR SHALL REMOVE ALL (E) LIGHT FIXTURES/CONTROL, AND DEMO WIRES TO CLOSEST CEILING J-BOX TO SAFE OFF ALL LIGHTING CIRCUITS FOR NEW FIXTURE.
- 9

EXISTING HOUSING OF RECESSED FIXTURE TYPE "A", "B" AND "E" SHALL NOT BE DEMOED, AND REMAIN TO BE USED WITH LED LIGHTING RETROFITTING. DEMO LAMP AND BALLAST FROM THESE FIXTURES.
- 10

CONTRACTOR SHALL INCLUDE IN BID ALL FEE ASSOCIATES WITH PROPER DISPOSAL OF FIXTURES, LAMPS, COMPONENTS, AND CONTROL DEVICES, PER APPLICABLE LAWS, RULES AND REGULATION. CONTRACTOR SHALL PROVIDE DOCUMENTATION UPON REQUEST OF THE DISTRICT THAT PROPER DISPOSAL WAS PERFORMED.
- 11

RECONNECT ALL EMERGENCY LIGHTS TO UPS POWER IN THE AREA, VIA WAVELINX EM POWER CONTROL RELAY; CEPC-XX.
- 12

LIGHTING CONTROL SYSTEM SHALL BE EATON WAVELINX OR APPROVED EQUAL. COORDINATE WITH LIGHTING SUPPLIER SHOP DRAWINGS FOR EXACT QUANTITY AND LOCATION PER DEVICE SPECIFICATION/REQUIREMENT, FOR A COMPLETE AND WARRANTED SYSTEM.



1 LIGHTING PLAN - BUILDING 1700 NORTH

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

OWNER:  
**SOLANO COMMUNITY COLLEGE DISTRICT**  
4000 Suisun Valley Road  
Fairfield, CA 94534

ARCHITECT:  
**CA ARCHITECTS**  
475 Gate Five Road, Suite 10  
Sausalito, CA 94965  
T 415.331.7655  
F 415.331.7656

PROJECT:  
**SCCD BUILDING LIGHTING UPGRADE PROJECT**

CONSULTANT TEAM:  
**C & N Engineers, Inc.**  
391 Sutter Street, Suite 202  
San Francisco, CA 94108  
Tel: (415) 982-1828 • Fax: (415) 982-8005



SHEET LEGEND:

ISSUE/REVISION:		
NO.	DATE:	DESCRIPTION:
1.	11/15/2018:	50% CD
2.	11/30/2018:	ISSUE FOR REVIEW
3.	12/05/2016:	BID SET

KEY PLAN:

SCALE: 1/8" = 1'-0"  
DATE:  
PROJECT NO:  
PERMIT APPLICATION NO.:

**LIGHTING PLAN  
BUILDING 1700 NORTH**

**E1.00**



1

2

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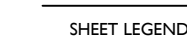
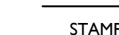
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OWNER:

ARCHITECT:

PROJECT:

## CONSULTANT TEAM



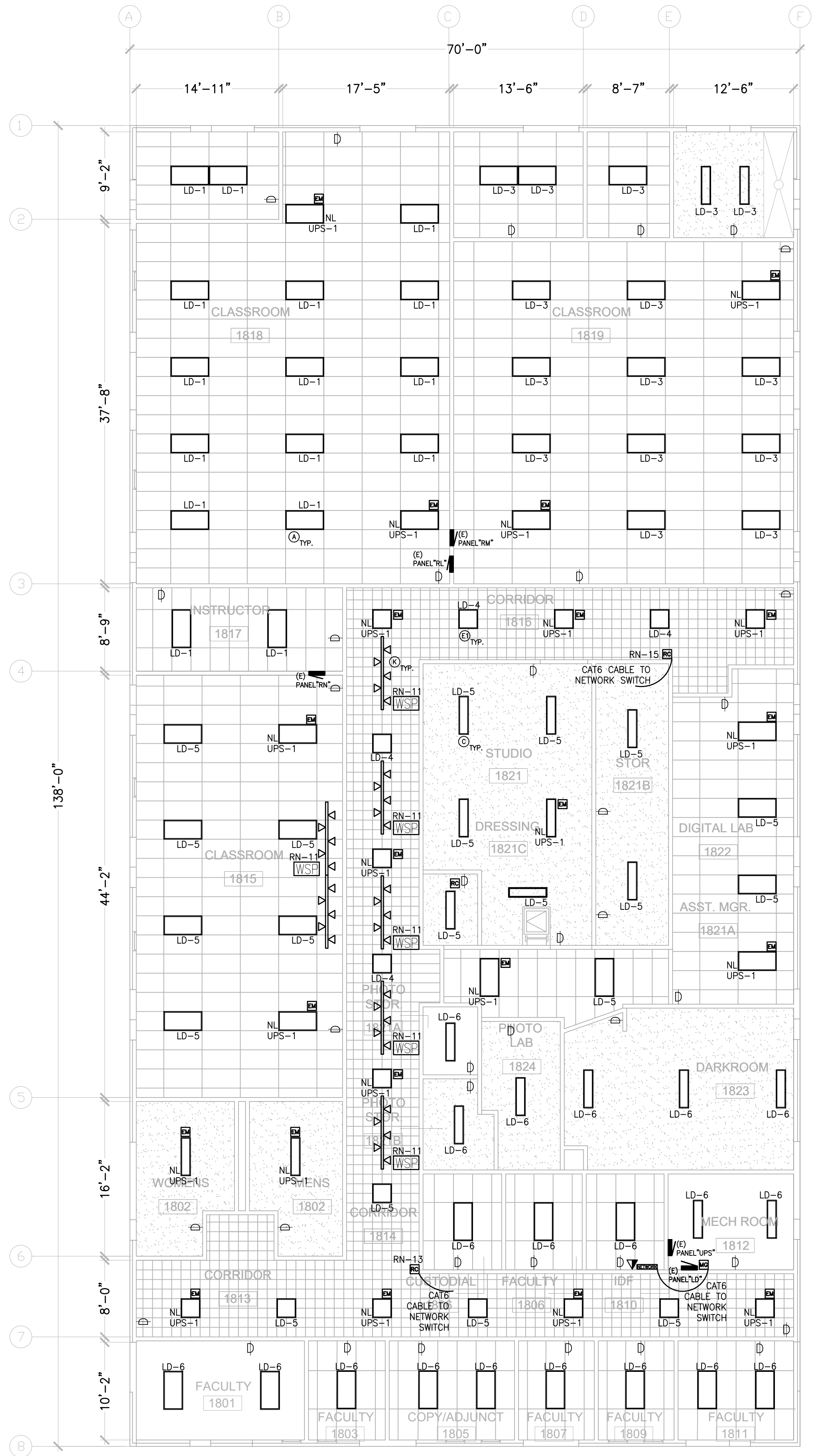
ISSUE/REVISION:

### KEY PLAN

## E1.01

SHEET NOTES

- 1
- CIRCUIT NUMBERS ARE SCHEMATIC AND SHOW THE DESIGN INTENTION AND LOAD BALANCE REQUIREMENTS. CONTRACTOR SHALL VERIFY ALL EXISTING AVAILABLE CIRCUITS AND THOSE, WHICH BECOME AVAILABLE AS A RESULT OF DEMOLITION. CONTRACTOR SHALL INDICATE ACTUAL CIRCUITS USED ON AS-BUILD DRAWINGS.
- 2
- FURNISH AND INSTALL NEW BUILDING STANDARD LED FIXTURE WITH DIMMING CAPABILITY IN PLACE OF EXISTING FIXTURE AND CONNECT TO EXISTING CIRCUIT IN THE AREA.
- 3
- REPLACE EXISTING SWITCH WITH NEW WAVELINX WALLSTATION/DIMMER SWITCH AND CONNECT TO LIGHT FIXTURES IN THE AREA. PROVIDE WALL COLOR MATCHING BLANK COVER FOR ANY UNUSED GANG.
- 4
- FURNISH AND INSTALL NEW CEILING MOUNTED WAVELINX OCCUPANCY SENSOR FOR LIGHTS IN THE AREA.
- 5
- FURNISH AND INSTALL NEW CEILING MOUNTED WAVELINX DAY LIGHT SENSOR FOR LIGHTS IN DAYLIT AREA.
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- 11
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- 12
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1 LIGHTING PLAN - BUILDING 1800

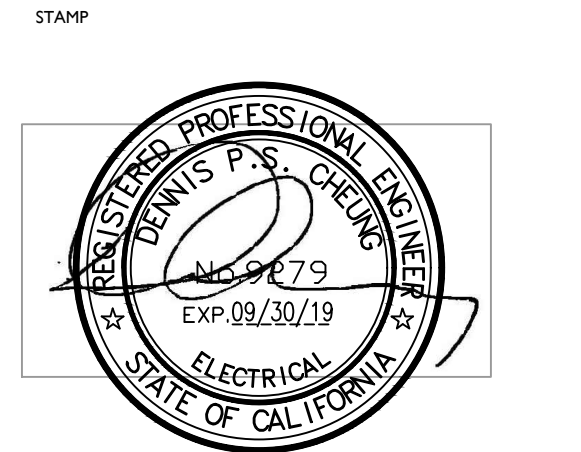
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**LIGHTING PLAN  
BUILDING 1800**

(ADD ALT.) **E1.10**