EXISTING CONDITION NOTES

(ONLY THOSE THAT APPEAR ON PLAN APPLY)

1. THE WORK OF THIS PROJECT INCLUDES ALTERATIONS TO EXISTING SPACE TO ACHIEVE THE ARRANGEMENT INDICATED ON THE DRAWINGS. THE CONTRACTORS SHALL VISIT THE JOBSITE TO DETERMINE THE EXTENT OF DEMOLITION WORK REQUIRED BY THE CONSTRUCTION ACTIVITIES. THE ARCHITECTURAL DRAWINGS FOR THESE AREAS SHOW THE CHANGES TO BE MADE. THE CONTRACTOR SHALL REVISE, RE–ARRANGE, RE–ROUTE OR REMOVE EXISTING WIRING AS REQUIRED TO ACCOMMODATE THE CHANGES AND ADDITIONS SHOWN AND TO PROVIDE CONTINUING SERVICE FOR THE AREAS OF THE PROJECT WHICH ARE TO REMAIN IN OPERATION.
2. THESE DRAWINGS INDICATE THE FINISHED REQUIREMENTS FOR THE ELECTRICAL SYSTEMS, EQUIPMENT, LIGHTING FIXTURES, OUTLETS AND DEVICES. DUE TO STRUCTURAL CONDITIONS MECHANICAL OR DUCT PIPING INTERFERENCE, RETAINED EXISTING FACILITIES, OR FOR OTHER REASONS, THE CONTRACTOR MAY DESIRE TO INSTALL THE WORK IN A MANNER DIFFERENT FROM THAT SHOWN. SUCH CHANGES SHALL BE PRESENTED TO THE ARCHITECT/OWNER FOR APPROVAL BEFORE PROCEEDING, AND THE RECORD DRAWINGS SHALL BE ACCURATELY REVISED THE SHOW THE CHANGES AS COMPLETED.
3. EXISTING ELECTRICAL WIRING MAY BE RE–USED WHERE IT IS IN COMPLIANCE WITH JOB REQUIREMENTS AND CODE PROVISIONS AND DOES NOT INTERFERE WITH ACCOMPLISHMENT OF THE WORK BEING DONE.
4. ALL EXISTING LIGHTING FIXTURES NOT TO BE RE–USED IN THEIR PRESENT LOCATIONS SHALL BE CAREFULLY REMOVED AND STORED IN A SAFE PLACE. THEY SHALL BE MADE AVAILABLE FOR INSPECTION BY THE BLDG. MANAGEMENT WHO WILL DESIGNATE THOSE TO BE RE–USED, THOSE TO BE STORED, AND THOSE TO BE REMOVED FROM THE PREMISES BY THE CONTRACTOR.
5. IN SOME ROOMS AND AREAS, THE OUTLETS SHOWN ON THE DRAWINGS ARE THOSE THAT NOW EXIST, THE CONTRACTOR SHALL VISIT THE JOBSITE TO DETERMINE WHICH EXISTING OUTLETS AND DEVICES ARE TO REMAIN AND THE CONDUIT AND OTHER MATERIALS WHICH MAY BE RE–USED TO PROVIDE THE DESIRED ARRANGEMENT.
6. IN AREAS WHERE THERE ARE NO ALTERATIONS INDICATED, THE EXISTING FACILITIES SHALL BE RETAINED IN SERVICE. IN CASE OF DOUBT, ASSUME THAT THE ELECTRICAL WIRING IS TO REMAIN IN OPERATION THROUGHOUT THE CONSTRUCTION PERIOD AND THEREAFTER.
7. THE ALTERATION OF EXISTING SPACE IS A WORK OF A COMPLEX NATURE WHICH WILL REQUIRE ACCURATE PLANNING, CAREFUL PREPARATION AND EXECUTION, ATTENTION TO DETAIL AND CLOSE SUPERVISION BY THE CONTRACTOR. HE WILL BE REQUIRED TO DO HIS WORK IN FULL COOPERATION WITH OTHER CONSTRUCTION TRADES AND SUBJECT TO SCHEDULING ARRANGEMENT TO MINIMIZE DISRUPTION OF NORMAL ACTIVITIES OF THE BUILDING WHERE SHUTDOWN OF POWER TO EXISTING PANELS IS REQUIRED DUE TO ALTERATION WORK, IT SHALL BE DONE AT A TIME SPECIFIED AND SCHEDULED BY THE BUILDING MANAGEMENT.
8. WHERE INTERRUPTION OF A CIRCUIT FEEDING EXISTING EQUIPMENT, RECEPTACLES, LIGHTING FIXTURES OR BECAUSE OF NEW WORK, THE CIRCUIT SHALL BE REHABILITATED AND MADE CONTINUOUS FROM PANEL TO LAST EXISTING OUTLET.

SPECIAL NOTES

1. ALL NEW ELECTRICAL WORK SHALL BE INSTALLED WITHOUT INTERRUPTING THE EXISTING ELECTRICAL SYSTEMS AT THE SITE WHILE THE BUILDING IS OCCUPIED. LIGHT AND POWER SERVICES, FEEDERS, SUBFEEDERS, SIGNAL AND FIRE ALARM SYSTEMS, HEATING AND VENTILATING SYSTEMS SHALL NOT BE DISCONNECTED WHILE THE BUILDING IS OCCUPIED.
2. WORK DURING OFFICE HOURS. THE WORK SITE WILL BE USED FOR OFFICE OR BUSINESS PURPOSES WHILE THE WORK OF THIS CONTRACT IS PERFORMED. THE WORK SHALL BE ARRANGED AS TO CAUSE NO UNNECESSARY INCONVENIENCE AND DANGER TO TENANTS AND STAFF IN THEIR ACTIVITIES. THE CONTRACTOR SHALL SCHEDULE HIS WORK IN ADVANCE AND COORDINATE WITH THE BUILDING MANAGEMENT.
3. ALL UTILITY SHUT–DOWN SHALL BE SCHEDULED AND COORDINATED IN ADVANCE WITH THE WESTFIELD MANAGEMENT. PROVIDE CONTINUOUS "FIRE WATCH GUARD" TO ALL AREAS AFFECTED BY THE SHUT–DOWN OF ANY LIFE SAFETY SYSTEM.
4. THE CONSTRUCTION SITE SHALL BE PROPERLY PROTECTED WITH BARRICADES, WARNING SIGNS AND FLAGS, FENCING AND LIGHTS AS REQUIRED BY CODES AND THE BUILDING MANAGEMENT.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, PATCHING AND SEAL PENETRATION TO COMPLETE THE INSTALLATION OF THE WORK. ALL EXPOSED FINISHED AREAS THAT ARE DAMAGED AS A RESULT OF THIS WORK SHALL BE REPLACED AND REPAIRED TO MATCH EXISTING CONDITIONS AT NO ADDITIONAL COST TO THE BUILDING MANAGEMENT.
6. EQUIPMENT AND CONDUITS SHALL BE INSTALLED TO RUN PARALLEL OR PERPENDICULAR TO THE BUILDING STRUCTURE AND SHALL BE ARRANGED TO FORM NEAT SYMMETRICAL PATTERNS TO ASSURE THE BEST POSSIBLE APPEARANCE. PROVIDE HANGERS, UNISTRUT AND BRACING TO SUPPORT EQUIPMENT AND CONDUITS FROM THE BUILDING STRUCTURE ONLY.
7. SHOP DRAWINGS AND MATERIAL LISTS SHALL BE SUBMITTED TO THE ARCHITECT AND OWNER'S REP. FOR REVIEW. NO WORK SHALL BE PERFORMED OR EQUIPMENT ORDERED PRIOR TO SHOP DRAWING REVIEW.
8. UPON COMPLETION OF THE WORK AND ADJUSTMENT OF ALL EQUIPMENT, CONDUCT THE TEST IN THE PRESENCE OF THE ARCHITECT AND BLDG. MANAGEMENT DEMONSTRATE ALL SYSTEMS AND EQUIPMENT TO OPERATE IN ACCORDANCE WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS AND TO BE FREE FROM ALL ELECTRICAL AND MECHANICAL DEFECTS.

SCOPE OF WORK

- TENANT IMPROVEMENT PROJECT OF EXISTING BUILDING ~ FAMILY LIFE CENTER:
  - A) REPLACEMENT OF EXISTING LIGHTING FLUORESCENT FIXTURES TO LED TYPE.
  - B) PROVISION OF NEW ELEVATOR.
- NEW WORSHIP CENTER BUILDING:
  - A) NEW LIGHTING & POWER PLAN
  - B) PARKING LIGHTING
- ELECTRICAL PLAN SUBMITTAL FOR ENERGY TITLE 24 AND POWER REQUIREMENTS.

GENERAL NOTES

(ONLY THOSE THAT APPEAR ON PLAN APPLY)

1 THE CONTRACTOR SHALL VISIT THE SITE OF THE WORK AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE WORKING CONDITIONS AND THE EXACT NATURE AND EXTENT OF THE WORK TO BE PERFORMED. THE CONTRACTOR SHALL TAKE INTO CONSIDERATION SPECIAL OR UNUSUAL FEATURES PECULIAR TO THIS JOB.

2 DO ALL WORK PER GOVERNING CODE REQUIREMENTS AND SUBMIT EVIDENCE OF APPROVAL.

3 TIMECLOCK SHALL BE 365–DAYS PROGRAMMABLE WITH 10–HOURS BATTERY BACKUP.

4 COORDINATE WORK WITH ALL OTHER TRADES AND AS REQUIRED FOR FUTURE INCREMENTS OF CONSTRUCTIONS.

5 NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN THE DEDICATED SPACE ABOVE THE ELECTRICAL EQUIPMENT.

6 THE CONTRACTOR SHALL EXERCISE ALL CONTRACT PLANS IN ORDER TO LOCATE WORK IN COORDINATION WITH THE CONSTRUCTION OF SUCH ITEMS AS CABINETS, BEAMS, FURRING, DOORS, DUCTS, PIPES AND CEILINGS.

7 EXACT LOCATION AND DIMENSIONS OF ALL EQUIPMENT SHALL BE VERIFIED IN FIELD PRIOR TO ORDERING AND INSTALLATION, AS PER NORMAL INDUSTRY STANDARDS.

8 REFER TO MECHANICAL/PLUMBING DRAWINGS FOR EXACT LOCATION OF ALL MECHANICAL/PLUMBING EQUIPMENT RESPECTIVELY.

9 REFER TO MECHANICAL CONTROL WIRING DIAGRAMS FOR ITEMS AND DEVICES TO BE FURNISHED, INSTALLED AND/OR CONNECTED BY THE CONTRACTOR FOR COMPLETE AND OPERABLE "HVAC" SYSTEM.

10 REFER TO PLUMBING DRAWINGS FOR ITEMS AND DEVICES TO BE FURNISHED, INSTALLED AND/OR CONNECTED BY ELECTRICAL CONTRACTOR.

11 INSTALL APPROVED GROUNDING BUSHING AT EACH TERMINATION OF RIGID CONDUIT, AND AS OTHERWISE REQUIRED BY CODE.

12 ALL WIRE SHALL BE NEW, COPPER, THWN OR THHN. ALL CONDUCTORS TO BE RATED AT 75 DEGREES CELSIUS U.O.N.

13 PERMANENTLY AND VISIBLY LABEL ALL J–BOX COVER PLATES WITH CIRCUIT AND VOLTAGE CONTAINED.

14 CONDUIT RUNS ARE SHOWN FOR CIRCUITING PURPOSES ONLY AND MAY BE VARIED IF APPROVED IN WRITING.

15 PROVIDE A MINIMUM OF 12" SEPARATION BETWEEN POWER AND TELEPHONE CONDUITS WHERE THEY ARE INSTALLED IN THE SAME TRENCH OR CROSS, U.O.N.

16 CONDUITS SHALL BE CLEAN OF WATER DEBRIS AND OTHER FOREIGN MATERIAL PRIOR TO PULLING CABLES.

17 ALL CONDUITS FOR FUTURE USE SHALL HAVE PULL ROPE LEFT IN PLACE.

18 THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND MARKING THE CORRECT PHASING OF THE BRANCH CIRCUIT OF THE ELECTRICAL PANELS AND BRANCH CIRCUITS.

19 NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN THE DEDICATED SPACE ABOVE THE ELECTRICAL EQUIPMENT.

20 OVERCURRENT PROTECTION AND DISCONNECTING MEANS FOR ALL MOTORS SHALL BE INSTALLED TO COMPLY WITH CALIFORNIA ELECTRICAL CODE (C.E.C.) AND LOCAL JURISDICTION.

21 ALL ELECTRICAL EQUIPMENT OUTDOORS SHALL BE WEATHERPROOF. ALL OUTDOOR EQUIPMENT SHALL BE NEMA 4 OR BETTER.

22 IT IS THE INTENT OF THESE DRAWINGS THAT THIS BE A COMPLETE ELECTRICAL JOB. ANY DISCREPANCIES OR OMISSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE SISLEY RESTAURANT REP. PRIOR TO BIDDING THIS JOB IN ORDER TO BE CONSIDERED FOR A CHANGE ORDER.

23 ALL CIRCUIT BREAKERS IN PANELS ARE RATED 14,000 A FOR 277 V AND 10,000 A FOR 120 V. ALL CIRCUIT BREAKERS TO BE RATED AT 75 DEGREES U.O.N.

24 THE CONTRACTOR SHALL VERIFY IN FIELD THE MOST FEASIBLE WAY OF ROUTING AND COMBINING HOME RUNS AND PERFORM ACCORDINGLY.

25 ALL ELECTRICAL OUTLETS LOCATED IN 6' RADIUS FROM SINK OR BATH SHOULD BE EQUIPPED WITH GROUND FAULT INTERRUPTING DEVICE U.O.N.

26 ALL COLORS AND FINISHES OF ELECTRICAL EQUIPMENT AND LIGHTING FIXTURES TO BE VERIFIED WITH THE ARCHITECT AND LIGHTING DESIGNER PRIOR TO ORDERING.

27 THE CONTRACTOR SHALL SIZE ALL J–BOXES AS PER TABLE 314–16A ALL J–BOXES TO BE STEEL SQUARE 4"x 2 – 1/8" MINIMUM. ALL J–BOXES TO BE READILY ACCESSIBLE.

28 ALL CIRCUIT BREAKER TRIP SHALL BE OF A TYPE TO BE ADJUSTED BY A QUALIFIED PERSON ONLY.

29 REFER TO ARCHITECTURAL OR SPACE PLANNING DRAWINGS FOR EXACT LOCATION OF LIGHTING FIXTURES, OUTLETS, FURNITURE AND OTHER EQUIPMENT. IN CASE OF ANY DISCREPANCY BETWEEN THE ARCHITECTURAL OR ELECTRICAL DRAWINGS, THE FORMER TAKES PRECEDENCE.

30 CONTRACTOR TO BE RESPONSIBLE FOR FINAL COORDINATION AND LOCATION OF MAIN TELEPHONE BACK BOARD WITH TELEPHONE COMPANY.

31 ALL POSSIBLE EFFORTS HAVE BEEN MADE TO IDENTIFY THE CORRECT NUMBERS OF EXISTING CIRCUITS FOR EMERGENCY LIGHTING. NEVERTHELESS, THE CONTRACTOR IS TO VERIFY THE EXACT NUMBER OF CIRCUITS IN THE EXISTING PANELS AND PROVIDE THE SISLEY'S REPRESENTATIVE WITH INFORMATION IN CASE OF DISCREPANCY. THE CONTRACTOR IS TO IDENTIFY ALL OF DISCREPANCIES ON THE "AS–BUILT" DRAWINGS.

32 WHERE VERIFICATION OF EXISTING CONDITIONS REQUIRE SIGNIFICANT CONSUMPTION OF TIME AND LABOR, AN ASSUMPTION WAS MADE BASED ON THE AS–BUILT DRAWINGS PROVIDED BY THE ARCHITECT. THE CONTRACTOR SHALL VERIFY THIS INFORMATION IN FIELD AND ACCORDING TO EXISTING CONDITIONS.

33 ALL ELECTRICAL MATERIALS SHALL BEAR THE UNDERWRITERS (OR EQUIVALENT TESTING AGENCY) LABEL. ELECTRICAL EQUIPMENT SHALL BE LISTED BY A CITY OF SIMI VALLEY RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY THE DEPARTMENT.

34 UNLESS INFORMED OTHERWISE IN WRITING, THIS PROJECT HAS BEEN DETERMINED TO REQUIRE THE LOCAL CITY AUTHORITIES PLAN CHECK APPROVAL AND VALID PERMIT IN ACCORDANCE WITH THE LAW. ALL DESIGN WORK INDICATED ON PLANS AND SPECIFICATIONS IS SUBJECT TO REVIEW AND CHANGES BY SAID PLAN CHECK AUTHORITIES.

35 UNDER THE STATE OF CALIFORNIA CONTRACTORS STATE LICENSE BOARD REGULATIONS, ALL CONTRACTORS ARE REQUIRED TO ADHERE TO THE LOCAL CODES AND LAWS WITHOUT EXCEPTION.

36 BONDING OF PIPING SYSTEMS IN ACCORDANCE WITH NEC ART. 250–80 SHALL INCLUDE BONDING OF ALL WATER, GAS, FIRE SPRINKLER, COMPRESSED AIR AND/OR ANY OTHER METALLIC PIPING.

37 ELECTRICAL CONTRACTOR SHALL PROVIDE CLEARANCES FOR ALL ELECTRICAL EQUIPMENT PER TABLE 110.26 (A) (1) CEC 2016.

38 THE CONTRACTOR SHALL COMPLY WITH THE LATEST HANDICAPPED REQUIREMENTS RELATED TO THE HEIGHT OF THE OUTLETS, SWITCHES AND OTHER EQUIPMENT (NOT TO EXCEED 48" TO TOP OF BOX AND NOT BELOW 15" TO BOTTOM OF BOX U.O.N.). 1

39 OUTLET BOXES INSTALLED IN FIRE RATED WALL AND CEILING SHALL BE STEEL AND DO NOT EXCEED 16 SQUARE INCHES IN AREA. THE AREA OF SUCH OPENINGS SHALL NOT EXCEED 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF WALL AREA.

40 CONDUIT STUBS SHALL BE TERMINATED IN ACCESSIBLE LOCATIONS, SECURELY CAPPED AND IDENTIFIED BY VISIBLE MARKER.

41 FIRE ALARM CONSULTANT SHALL SUBMIT FIRE ALARM SYSTEM DESIGN ON A SEPARATE PACKAGE. FIRE ALARM IS NOT PART OF THIS CONTRACT AND SHALL BE DONE BY OTHERS.

42 DO NOT ORDER ANY EQUIPMENT OR PERFORM ANY WORK OVER $500 IN TOTAL VALUE ON THE JOB UNTIL THE COMPLETION OF THE PLAN CHECK APPROVAL PROCESS AND OBTAINING OF ALL REQUIRED PERMITS. INSTALLATION OF ANY EQUIPMENT WITHOUT VALID PERMITS, WHEN REQUIRED, IS A VIOLATION OF THE CODE.

43 ELECTRICAL CONTRACTOR TO OBTAIN ARCHITECTURAL APPROVAL OF ALL LIGHTING FIXTURES SPECIFIED FOR THE PROJECT PRIOR TO ORDERING.

44 THESE ELECTRICAL PLANS ARE FINAL PLAN FOR CITY SUBMITTAL AND APPROVAL BY DEPARTMENT OF BUILDING AND SAFETY & THEREFORE ARE SUBJECT TO REVISIONS BY SAID DEPARTMENT. PLAN CHECK REVISIONS (IF ANY) WILL BE ISSUED AT A LATER DATE AS AN ADDENDUM.

45 THE WORK SHALL COMPLY WITH AND BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING LEGALLY CONSTITUTED AUTHORITIES AND CODES HAVING JURISDICTION.

A. 2016 CALIFORNIA ELECTRICAL CODE (CEC)
B. 2016 CALIFORNIA ENERGY CODE (CEnC)
C. 2016 CALIFORNIA MECHANICAL CODE (CMC)
D. 2016 CALIFORNIA PLUMBING CODE (CPC)
E. 2016 CALIFORNIA BUILDING CODE (CBC)

46 CONTRACTOR TO PROVIDE TYPED CIRCUIT DIRECTORY SHOWING CIRCUIT ARRANGEMENT OF ELECTRICAL LOADS IN THE PANEL BOARD.

47 (a). ALL UNDERGROUND CONDUITS SHALL BE PVC CONCRETE ENCASED. (b). ALL EXPOSED CONDUIT SHALL BE ELECTRIC METTALIC TUBING (EMT) TYPE. NO EXCEPTIONS (c). ALL VIBRATING MOTORIZED EQUIPMENT FINAL CONNECTION SHALL BE PROVIDED WITH LIQUID TIGHT FLEXIBLE CONDUIT. (d) MINIMUM CONDUIT SIZE SHALL BE 3/4"C UNLESS NOTED OTHERWISE.

48 THE WORD "PROVIDE" MEANS FURNISH, INSTALL AND ELECTRICALLY CONNECT AS PART OF THE WORK OF DIVISION 26.

SHEET INDEX

SHEET NO.	DESCRIPTION	SCALE
E–1.0	GENERAL NOTES, SYMBOLS, LEGEND AND SHEET INDEX	NO SCALE
E–1.1	FLC FIRST FLOOR DEMOLITION PLAN	1/8"=1'–0"
E–1.2	FLC SECOND FLOOR DEMOLITION PLAN	1/8"=1'–0"
E–2.1	FLC 1ST FLOOR POWER PLAN	1/8"=1'–0"
E–2.1A	FLC 1ST FLOOR AV POWER PLAN	1/8"=1'–0"
E–2.2	FLC 2ND FLOOR POWER PLAN	1/8"=1'–0"
E–3.1	FLC 1ST FLOOR LIGHTING PLAN	1/8"=1'–0"
E–3.2	FLC 2ND FLOOR LIGHTING PLAN	1/8"=1'–0"
E–4.0	SITE ELECTRICAL PLAN	1/32=1'–0"
E–4.0A	PARTIAL SITE PLAN	3/32=1'–0"
E–4.0B	PARTIAL SITE PLAN	3/32=1'–0"
E–4.0C	PARTIAL SITE PLAN	3/32=1'–0"
E–4.0D	PARTIAL SITE PLAN	3/32=1'–0"
E–4.0E	PARTIAL SITE PLAN	3/32=1'–0"
E–4.0F	PARTIAL SITE PLAN	3/32=1'–0"

SHEET NO.	DESCRIPTION	
E–4.1	WC GENERAL POWER PLAN	1/16"=1'–0"
E–4.1A	WC AV POWER PLAN	1/8"=1'–0"
E–4.2	WC LIGHTING PLAN	1/8"=1'–0"
E–4.3	WC HVAC POWER PLAN	1/8"=1'–0"
E–4.4	WC ROOF ELECTRICAL PLAN	1/8"=1'–0"
E–5.0	FLC SINGLE LINE DIAGRAM & PANEL SCHEDULE	NO SCALE
E–5.1	WC SINGLE LINE DIAGRAM	NO SCALE
E–5.2	WC PANEL SCHEDULE	NO SCALE
E–5.3	LIGHTING SCHEDULE & LIGHTING POLE DETAILS	NO SCALE
E–6.0	TITLE 24 COMPLIANCE FORMS – INDOOR LIGHTING (FLC)	NO SCALE
E–6.0A	TITLE 24 COMPLIANCE FORMS – INDOOR LIGHTING (FLC)	NO SCALE
E–6.0B	TITLE 24 COMPLIANCE FORMS – INDOOR LIGHTING (WC)	NO SCALE
E–6.0C	TITLE 24 COMPLIANCE FORMS – INDOOR LIGHTING (WC)	NO SCALE
E–6.1	TITLE 24 COMPLIANCE FORMS – OUTDOOR LIGHTING	NO SCALE
E–6.1A	TITLE 24 COMPLIANCE FORMS – OUTDOOR LIGHTING	NO SCALE
E–6.2	TITLE 24 COMPLIANCE FORMS – ELECTRICAL DISTRIBUTION	NO SCALE

SYMBOLS AND LEGEND

(ONLY THOSE THAT APPEAR ON PLAN APPLY)

A–1,3 / #10 — CONDUIT HOMERUN TO PANEL. NUMERALS DENOTE CIRCUITS. HASH MARKS DENOTE QUANTITY OF #12 AWG. (OR #10 AWG. AS NOTED ON PLANS). NO HASHES DENOTE 2#12 AWG.

CONDUIT CONCEALED IN WALLS OR CEILING.

G — CONDUIT AND WIRES WITH ADDITIONAL GROUND WIRE.

CONDUIT RUN IN CONCRETE SLAB, BELOW GRADE, OR IN CEILING SPACE OF FLOOR BELOW.

MAXIMUM CONDUIT WIRE FILL CHART THHN–THWN		
WIRE SIZE	1/2"C.	3/4"
#12	9	16
#10	5	10

LA — PANELBOARD. FLUSH OR SURFACE MOUNTED AS SHOWN ON PLANS AND PANEL SCHEDULE ADJACENT BALLOON INDICATES PANEL DESIGNATION.

CIRCUIT BREAKER. SIZE AND NUMBER OF POLES AS SHOWN ON PLANS.

OUTLETS

- DUPLEX RECEPTACLE (120 VOLT)
- DUPLEX RECEPTACLE PROVIDE GROUND FAULT CIRCUIT INTERRUPTER
- WP WEATHERPROOF RECEPTACLE
- SEPARATE/DEDICATED CIRCUIT OUTLET (120V)
- DUPLEX RECEPTACLE (220 VOLT) RATING AS INDICATED ON PLAN
- DOUBLE DUPLEX RECEPTACLE (120 VOLT)
- 120V CEILING MOUNTED RECEPTACLE OUTLET
- GFCI DUPLEX RECEPTACLE (120 VOLT) CONNECTED TO ARC FAULT PROTECTED CIRCUIT.
- GFCI DUPLEX RECEPTACLE (120 VOLT) CONNECTED TO ARC FAULT PROTECTED CIRCUIT. HALF–SWITCH.
- DUPLEX FLOOR MOUNTED RECEPTACLE, 120V.
- UO UNIVERSAL OUTLET BOX, TV, DATA/VOICE
- TELEPHONE OUTLET
- DATA OUTLET, (2) CAT 5 JACKS
- COMBINATION TEL/DATA OUTLET. (2) CAT 5 JACKS AND (1) TEL. JACK
- J CEILING JUNCTION BOX (4S BOX MINIMUM)
- F JUNCTION BOX FOR FUTURE USE
- J WALL JUNCTION BOX (FOR DEVICES)
- J WALL JUNCTION BOX, SWITCH CONTROLLED
- SD SMOKE DETECTOR
- CO CARBON MONOXIDE SENSOR
- Sm SINGLE POLE MOTOR RATED TOGGLE SWITCH. (125V., 20A.)
- Sm TWO POLE MOTOR RATED TOGGLE SWITCH. (250V., 20A.)

SWITCHES

- $M MANUAL MOTOR STARTER (HP RATED) WITH OL'S
- $ SINGLE–POLE SWITCH
- $3 THREE–WAY SWITCH
- $WP WEATHERPROOF SWITCH
- $a,b LOWER CASE SUBSCRIPT LETTER INDICATES FIXTURE CONTROLLED
- $F SWITCH FOR FAN
- $D DIMMER SWITCH
- $MS MOTION SENSOR SWITCH
- CEILING EXHAUST FAN (1/X HP U.O.N.)
- DOORBELL CHIMES
- PUSHBUTTON FOR DOORBELL
- DISCONNECT SWITCH SIZE SHOWN ON PLAN

DESIGNATIONS

- X REFERENCE NOTE
- F1 INDICATES FIXTURE TYPE
- 80 INDICATES FIXTURE WATTAGE
- CU INDICATES EQUIPMENT TYPE
- 1 INDICATES UNIT NUMBER

CIRCUITRY and RACEWAYS

- CIRCUIT UP
- CIRCUIT DOWN
- 2 – 12CU 1/2"C U.O.N.
- 3 – 12CU 1/2"C U.O.N.
- 4 – 12CU 1/2"C U.O.N.
- #10 2 – 10CU 1/2"C U.O.N.
- #10 3 – 10CU 1/2"C U.O.N.
- #10 4 – 10CU 1/2"C U.O.N.
- "RUN CONTINUES" INDICATION
- 1,3 HOME RUN (with circuit numbers)
- T TELEPHONE CONDUIT
- CONDUIT INSTALLED UNDERFLOOR
- T 3/4"C.O. FOR TELEPHONE/DATA LINE
- T1 1"C.O. FOR TELEPHONE/DATA LINE
- T2 1" 1/2"C.O. FOR TELEPHONE/DATA

SERVICE AND EQUIPMENT

- T TRANSFORMER, DRY (KVA shown)
- PANELBOARD
- TELEPHONE TERMINAL BOARD
- TELECOM/SECURITY PANEL
- GROUND CONNECTION PER N.E.C.

ABBREVIATIONS

I.G.	ISOLATED GROUND.
INC.	INCANDESCENT FIXTURE
W.P.	WEATHERPROOF
N.T.S.	NOT TO SCALE
C.O.	CONDUIT ONLY WITH PULL WIRE
U.O.N.	UNLESS OTHERWISE NOTED
FLA	FULL LOAD AMPS
E.C.	ELECTRICAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
(E)	EXISTING TO REMAIN
(N)	NEW
(R)	RELOCATED / REMOVE
SC	SEPARATE CIRCUIT
FC	FAN COIL UNIT
FSD	FIRE SMOKE DAMPER
HP	HEAT PUMP or HORSEPOWER
CU	CONDENSING UNIT
TC	TIMECLOCK
CKT.	CIRCUIT
LV	LOW–VOLTAGE

CONTROL

- T THERMOSTAT. PROVIDE 3/4"C.O. TO CEILING SPACE.

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DENNIS MOHAMMADI
E–18048
EXP. 6–30–19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
GENERAL NOTES, SYMBOL LISTS & SHEET INDEX

RP PROJECT NUMBER
16 - 299

SCALE
N.T.S.

DRAWING NUMBER
E1.0

COPYRIGHT 2014 RISEPOINTE ALL RIGHTS RESERVED. USE BY WRITTEN PERMISSION ONLY

PLAN CHECK CORRECTIONS 9/06/2017

GENERAL NOTES

1. ALL LIGHTING FIXTURES SHALL BE REMOVED AS NOTED.
2. ALL SWITCH CONTROL SHALL BE REMOVED.
3. RECEPTACLE OUTLET LOCATED ON THE DEMO'D WALL AREA SHALL BE REMOVED.
4. ALL PANELBOARD SHOWN SHALL BE EXISTING TO REMAIN.
5. ANY EXISTING WIRING AND CONDUIT THAT IS NO LONGER BEING USED SHALL BE REMOVED UP TO THE POINT OF ORIGIN; IT CANNOT BE ABANDONED IN PLACE.

REFERENCE NOTES

1. ALL LIGHTING FIXTURES ON BROKEN LINE ARE TO BE REMOVED AND DEMO'D. TYPICAL ALL THROUGHOUT THE SPACE.
2. RECEPTACLE OUTLET LOCATED ON THE DEMO'D WALL SHALL BE REMOVED INCLUDING ALL WIRINGS AND CONDUIT UP TO THE PANEL CONNECTIONS.
3. EXISTING PANEL TO REMAIN.

SYMBOL LEGEND

- EXISTING DUPLEX OUTLET TO REMAIN.
- EXISTING DATA AND/OR TELDATA OUTLET TO REMAIN.
- EXISTING DUPLEX OUTLET TO BE REMOVE.
- EXISTING DATA AND/OR TELDATA OUTLET TO BE REMOVE.
- EXISTING LIGHTING TOGGLE SWITCH TO BE REMOVE.
- EXISTING LIGHTING SWITCH TO REMAIN.
- EXISTING 2'x4' FLUORESCENT FIXTURE TO BE REMOVE.
- EXISTING 2'x2' FLUORESCENT FIXTURE TO BE REMOVE.
- EXISTING STRIPLIGHT FLUORESCENT FIXTURE TO REMAIN.
- EXISTING STRIPLIGHT FLUORESCENT FIXTURE TO BE REMOVE.
- EXISTING FLUORESCENT DOWNLIGHTS AT THE MAIN ENTRY TO REMAIN.
- EXISTING FLUORESCENT DOWNLIGHTS TO BE REMOVE.
- EXISTING PENDANT FIXTURE TO REMAIN.
- EXISTING EXIT SIGN TO BE REMOVE.

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

1	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DENNIS M. CSOPO
E-18046
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
FLC - 1ST FLOOR DEMO PLAN

RP PROJECT NUMBER
16 - 299

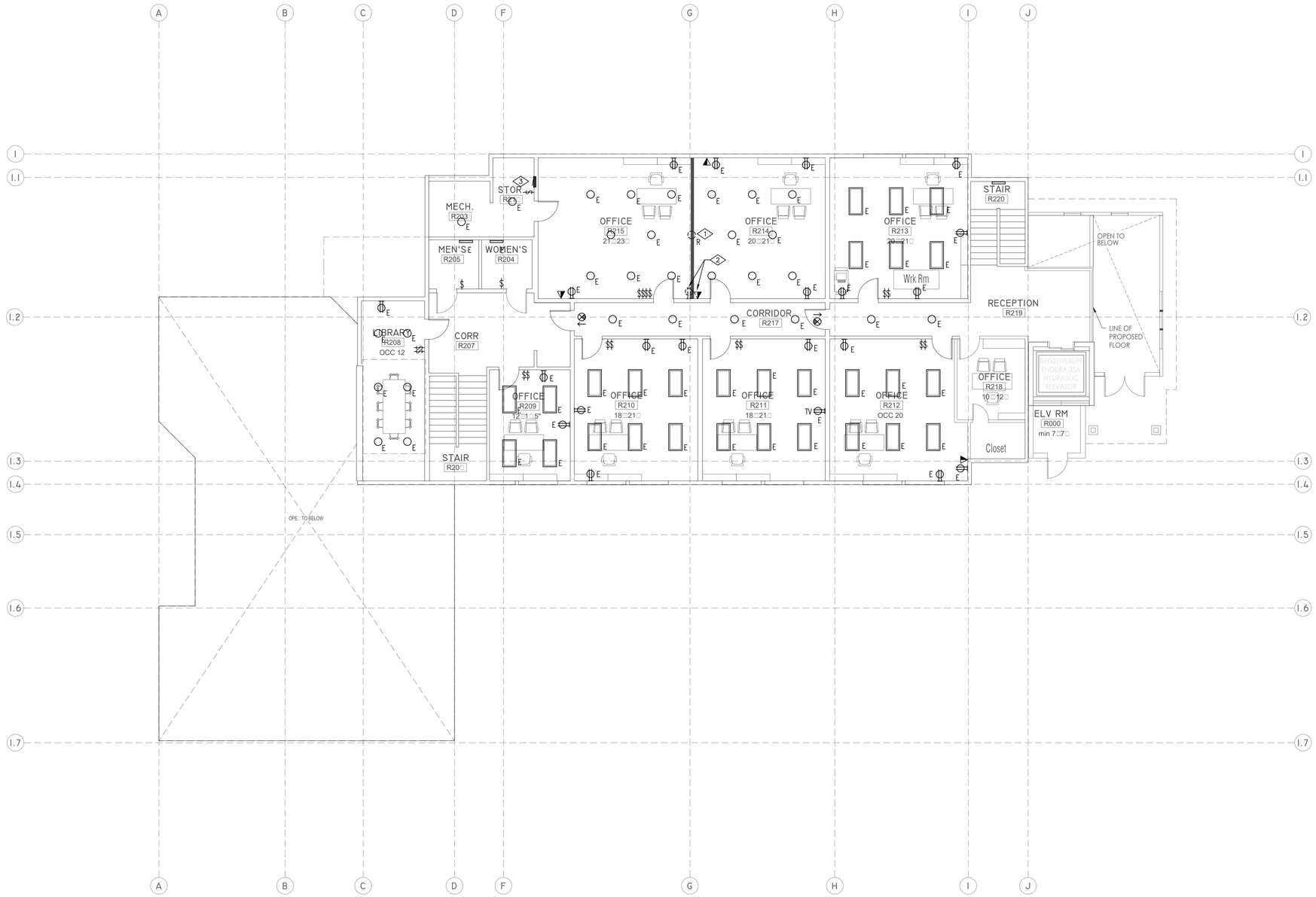
SCALE
1/8"=1'-0"

DRAWING NUMBER
E1.1

COPYRIGHT 2016 RISEPOINTE. ALL RIGHTS RESERVED. USE BY WRITTEN PERMISSION ONLY

Family Life Center - 1st Floor Demo Plan | 1/8" = 1'-0" Scale | 1

PLAN CHECK CORRECTIONS 9/06/2017



GENERAL NOTES

1. ALL EXISTING LIGHTING FIXTURES TO REMAIN UNLESS NOTED OTHERWISE.
2. ALL LIGHTING SWITCH CONTROL SHALL BE EXISTING TO REMAIN.
3. ALL RECEPTACLE OUTLET ARE EXISTING TO REMAIN.
4. ALL PANELBOARD SHOWN SHALL BE EXISTING TO REMAIN.
5. ANY EXISTING WIRING AND CONDUIT THAT IS NO LONGER BEING USED SHALL BE REMOVED UP TO THE POINT OF ORIGIN; IT CANNOT BE ABANDONED IN PLACE.

REFERENCE NOTES

1. ALL LIGHTING FIXTURES ON BROKEN LINE ARE TO BE REMOVED AND DEMO'D. TYPICAL ALL THROUGHOUT THE SPACE.
2. EXISTING RECEPTACLE AND DATA OUTLET TO BE REMOVE.
3. EXISTING PANEL TO REMAIN.

SYMBOL LEGEND

- EXISTING DUPLEX OUTLET TO REMAIN.
- EXISTING DATA AND/OR TELDATA OUTLET TO REMAIN.
- EXISTING DUPLEX OUTLET TO BE REMOVE.
- EXISTING DATA AND/OR TELDATA OUTLET TO BE REMOVE.
- EXISTING LIGHTING TOGGLE SWITCH TO REMAIN.
- EXISTING 2'x4' FLUORESCENT FIXTURE TO REMAIN.
- EXISTING FLUORESCENT DOWNLIGHTS TO REMAIN.
- EXISTING FLUORESCENT DOWNLIGHTS TO BE REMOVE.
- EXISTING EXIT SIGN TO REMAIN.

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaeelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

▷	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DENNIS R. MOSER
E-18048
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
FLC - 2ND FLOOR DEMO PLAN

RP PROJECT NUMBER
16 - 299

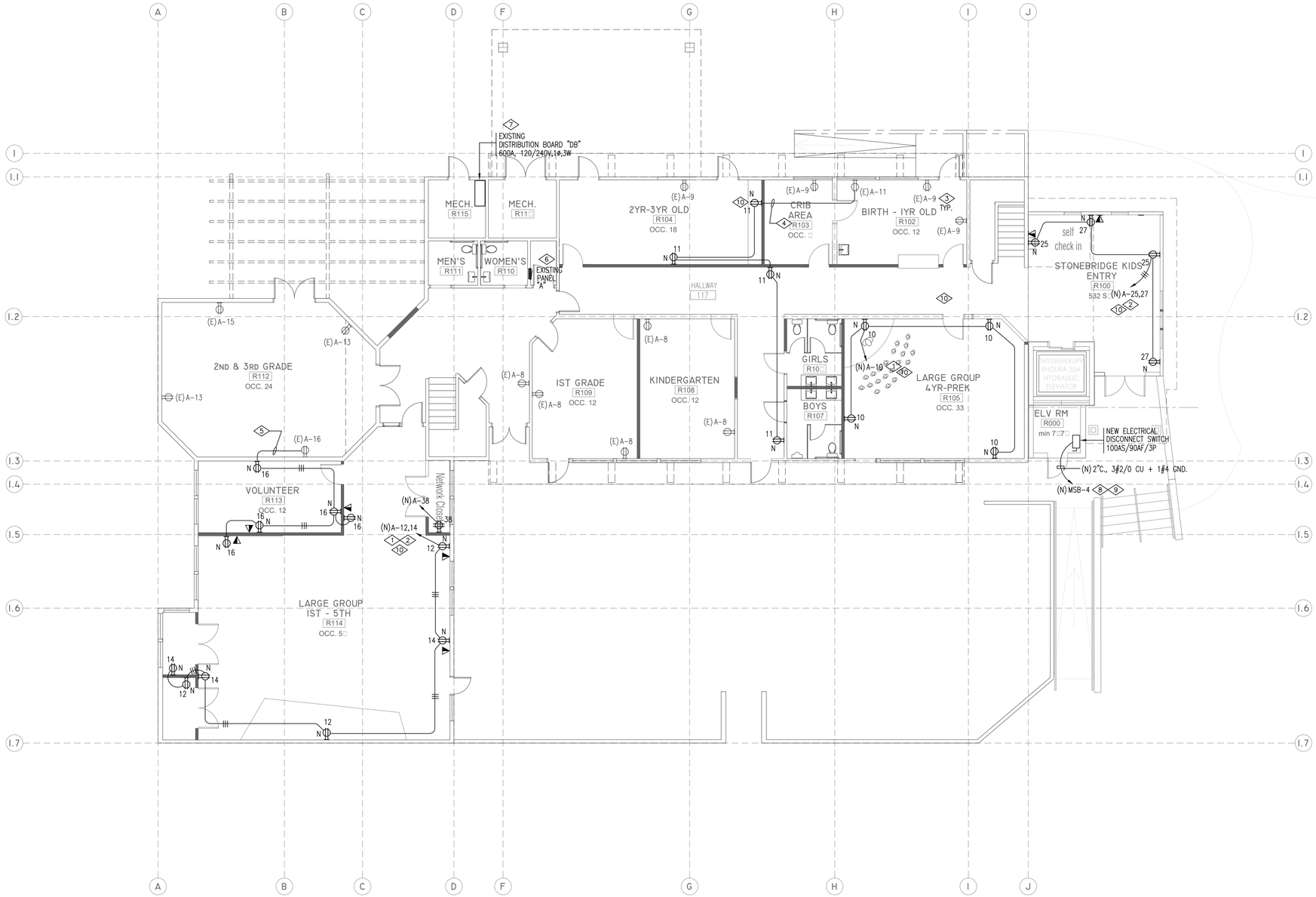
SCALE
1/8"=1'-0"

DRAWING NUMBER
E1.2

COPYRIGHT 2014 RISEPOINTE ALL RIGHTS RESERVED. USE BY WRITTEN PERMISSION ONLY

amily Li e Center - 2nd loor Demo Plan | 1 8" 1 - 0" Scale | 1

PLAN CHECK CORRECTIONS 9/06/2017



GENERAL NOTES

1. CONTRACTOR SHALL VISIT THE SITE AND EVALUATE ALL EXISTING CONDUIT AND ASSOCIATED DEVICES IN THE CEILING AND WALL SPACES. REMOVE ANY CONDUIT AND DEVICES THAT ARE NOT UTILIZED.
2. REFER TO SHEET E6.0 AND E6.1 FOR THE PANEL SCHEDULE.
3. ALL DEDICATED OUTLET SHALL HAVE SEPARATE CIRCUIT.
4. ALL ELECTRICAL OUTLETS LOCATED ABOVE COUNTERTOP WITHIN 6'-0" OF SINK AREA SHALL BE GFCI DUPLEX OUTLET. GFCI OUTLETS SHALL BE SELF-TEST, SELF-DIAGNOSTIC TYPE, HUBBELL AUTOGUARD SERIES OR EQUAL.
5. ELECTRICAL EQUIPMENT SHALL BE LISTED BY A CITY OF SIMI VALLEY RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY THE DEPARTMENT.
6. INSTALL SEPARATE CONDUITS WITH PULL STRINGS FOR TEL/DATA 6" ABOVE THE CEILING.
7. ALARM AND SECURITY EQUIPMENT SHALL BE PROVIDED BY THE TENANT. CONTRACTOR TO PROVIDE ALL CONDUIT RUNS, SUPPORT AND ASSOCIATED ELECTRICAL CONNECTION AS REQUIRED.
8. CONDUIT RUNS ARE DIAGRAMMATIC ONLY. ELECTRICAL CONTRACTOR TO VERIFY IN THE FIELD THE MOST FEASIBLE WAY OF ROUTING AND COMBINING HOMERUNS.
9. ALL RECEPTACLE OUTLET SHALL BE LABELLED WITH PANEL AND CIRCUIT NUMBER.
10. FIRE ALARM SYSTEM INCLUDING LOW-VOLTAGE TEL/DATA OUTLET SHALL BE DESIGN -BUILD AND ON A SEPARATE PERMIT SET. COORDINATE WITH THE FIRE ALARM CONTRACTOR/DRAWINGS AND LOW-VOLTAGE DESIGN PLAN FOR DETAILED INFORMATION.
11. ALL PRINTING MACHINES INCLUDING SCANNERS, PRINTERS, PHOTOCOPYING MACHINES - ELECTRICAL REQUIREMENTS SHALL BE VERIFIED AND COORDINATED ACCORDINGLY PRIOR TO OUTLET/CIRCUIT PROVISIONS.
12. DUPLEX OUTLET ON PRIVATE OFFICES, OPEN OFFICE AREA, RECEPTION LOBBY, CONFERENCE ROOMS AND CLASSROOMS SHALL BE PROVIDED WITH CONTROLLED 120V RECEPTACLE OUTLET. CEC 130.5(a)(5). SPLIT-WIRE RELAY CONTROLLER SHALL BE WATTSTOPPER LMPL-101 FOR ALL DUPLEX OUTLET.
13. TEL/DATA SPECIFIC REQUIREMENTS SHALL BE COORDINATED WITH THE LOW-VOLTAGE CONSULTANT AND WITH THE AV CONSULTANT PLAN.
14. MULTI-POLE CIRCUIT BREAKERS. PROVIDE AND INSTALL APPROVED HANDLE-TIES THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS FOR THE MULTIWIRE BRANCH CIRCUITS AS PER CEC 210.4 (B).
15. ELECTRICAL CONTRACTOR TO PROVIDE NECESSARY CIRCUIT ADJUSTMENT RELATED TO CIRCUIT DESIGNATION AS REQUIRED. PROVIDE ALL REQUIRED FEEDERS TO NEW AND AND EXISTING RECEPTACLE OUTLET.
16. ALL 125V, 15 AND 20 AMPERE RECEPTACLE AS REQUIRED IN CEC SECTION 406.12(C) IN CHILD CARE FACILITIES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLE. 1

REFERENCE NOTES

1. PROVIDE SPLIT-WIRED CONTROLLED OUTLET CONNECTED TO THE OCCUPANCY SENSOR.
2. PROVIDE HANDLE-TIE CIRCUIT BREAKER PER CEC 210.4 (B).
3. CLEAN, CHECK & REPLACE EXISTING RECEPTACLE FACEPLATE AS NEEDED. PROVIDE NEW DUPLEX OUTLET AS REQUIRED. TYPICAL.
4. INTERCEPT, TIE AND PROVIDE CONNECTION TO NEAREST EXISTING RECEPTACLE OUTLET WITH CIRCUIT "A-11".
5. INTERCEPT, TIE AND PROVIDE CONNECTION TO NEAREST EXISTING RECEPTACLE OUTLET WITH CIRCUIT "A-16".
6. EXISTING PANEL "A" TO REMAIN.
7. EXISTING DISTRIBUTION BOARD "DB" TO REMAIN.
8. PROVIDE CONNECTION TO THE NEW MAIN SWITCHBOARD "MSB".
9. PROVIDE NEW 2"C., 3#2/0 CU + 1#4 EQUIPMENT GND.
10. PROVIDE TAMPER-RESISTANT RECEPTACLE OUTLET. 1

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

1	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DENNIS R. MOSS
E-18048
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
FLC - 1ST FLOOR POWER PLAN

RP PROJECT NUMBER
16 - 299

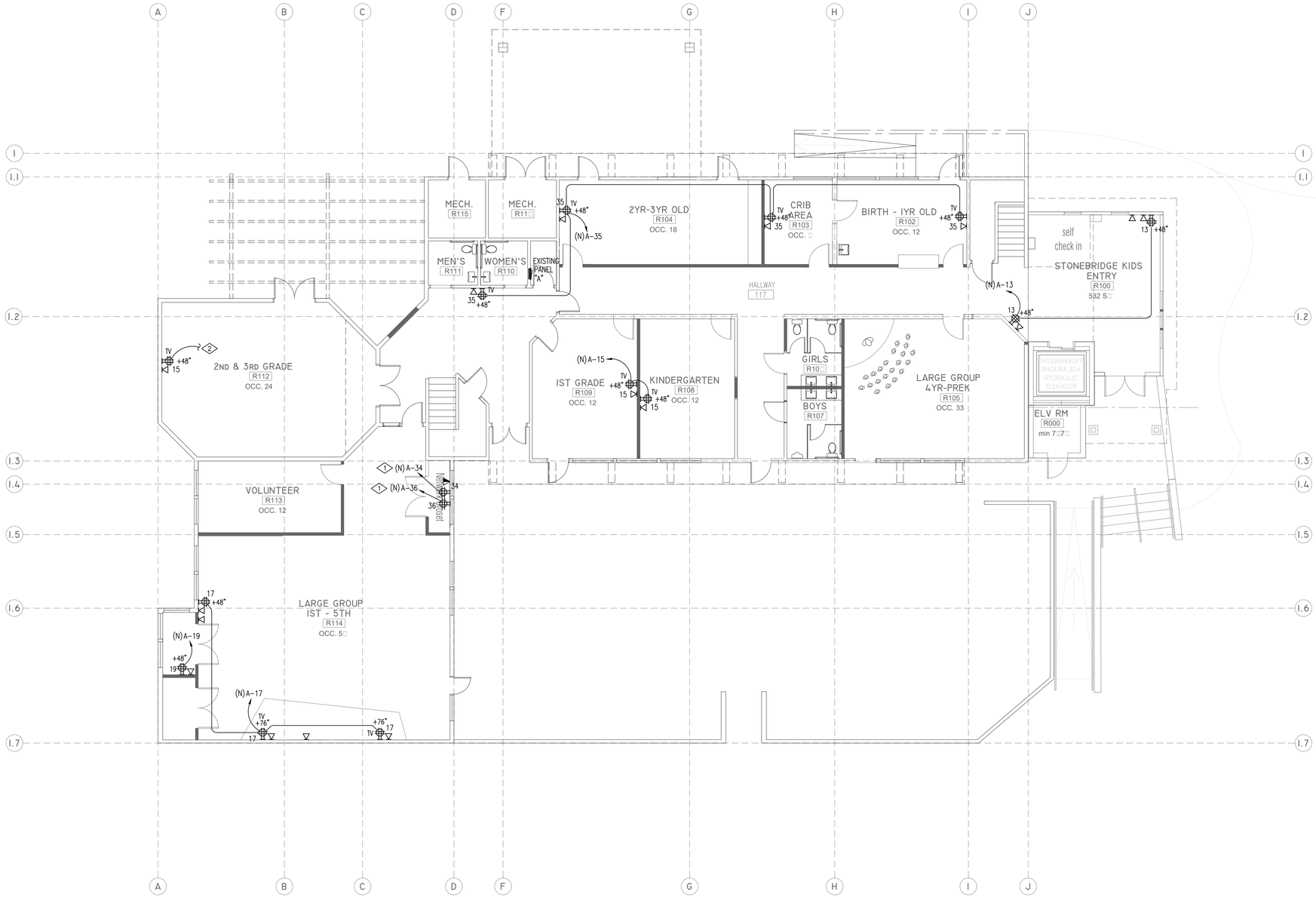
SCALE
1/8"=1'-0"

DRAWING NUMBER
E2.1

COPYRIGHT 2014 RISEPOINTE ALL RIGHTS RESERVED. USE BY WRITTEN PERMISSION ONLY

□amily Li□e Center - 1st □loor Po□er Plan | 1□8" □1□-0" Scale | 1

PLAN CHECK CORRECTIONS 9/06/2017



GENERAL NOTES

1. CONTRACTOR SHALL VISIT THE SITE AND EVALUATE ALL EXISTING CONDUIT AND ASSOCIATED DEVICES IN THE CEILING AND WALL SPACES. REMOVE ANY CONDUIT AND DEVICES THAT ARE NOT UTILIZED.
2. REFER TO SHEET E5.0 FOR THE PANEL SCHEDULE.
3. ALL DEDICATED OUTLET SHALL HAVE SEPARATE CIRCUIT.
4. ALL ELECTRICAL OUTLETS LOCATED ABOVE COUNTERTOP WITHIN 6'-0" OF SINK AREA SHALL BE GFCI DUPLEX OUTLET. GFCI OUTLETS SHALL BE SELF-TEST, SELF-DIAGNOSTIC TYPE, HUBBELL AUTOGUARD SERIES OR EQUAL.
5. ELECTRICAL EQUIPMENT SHALL BE LISTED BY A CITY OF SIMI VALLEY RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY THE DEPARTMENT.
6. INSTALL SEPARATE CONDUITS WITH PULL STRINGS FOR TEL/DATA 6" ABOVE THE CEILING.
7. ALARM AND SECURITY EQUIPMENT SHALL BE PROVIDED BY THE TENANT. CONTRACTOR TO PROVIDE ALL CONDUIT RUNS, SUPPORT AND ASSOCIATED ELECTRICAL CONNECTION AS REQUIRED.
8. CONDUIT RUNS ARE DIAGRAMMATIC ONLY. ELECTRICAL CONTRACTOR TO VERIFY IN THE FIELD THE MOST FEASIBLE WAY OF ROUTING AND COMBINING HOMERUNS.
9. ALL RECEPTACLE OUTLET SHALL BE LABELLED WITH PANEL AND CIRCUIT NUMBER.
10. FIRE ALARM SYSTEM SHALL BE DESIGN-BUILD AND ON A SEPARATE PERMIT SET. COORDINATE WITH THE FIRE ALARM CONTRACTOR/DRAWINGS FOR DETAILED INFORMATION.
11. TEL/DATA SPECIFIC REQUIREMENTS SHALL BE COORDINATED WITH THE LOW-VOLTAGE CONSULTANT AND/OR AV CONSULTANT.
12. PROVIDE ALL REQUIRED ISOLATED GROUND WIRES AS INDICATED IN THE DRAWINGS.
13. MULTI-POLE CIRCUIT BREAKERS. PROVIDE AND INSTALL APPROVED HANDLE-TIES THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS FOR THE MULTIWIRE BRANCH CIRCUITS AS PER CEC 210.4 (B).
14. REFER TO AV CONSULTANT DRAWINGS, SHEET AV-1.0 THRU AV-9.1 FOR THE EXACT AUDIO-VIDEO REQUIREMENTS. AV PLAN PRECEDE OVER ELECTRICAL PLAN RELATED TO AV SYSTEMS AND ITS COMPONENTS. ELECTRICAL PLAN TO PROVIDE EXACT POWER REQUIREMENTS AND ITS CIRCUIT DESIGNATION.
15. PROVIDE ALL REQUIRED ISOLATED GROUNDING TO ALL AV EQUIPMENT.

REFERENCE NOTES

1. PROVIDE DEDICATED 120V CIRCUIT.
2. INTERCEPT, TIE AND PROVIDE CONNECTION TO CIRCUIT "A-15".

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaeelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

1	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DENNIS R. MOORE
E-18048
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
FLC - 1ST FLOOR AV POWER PLAN

RP PROJECT NUMBER
16 - 299

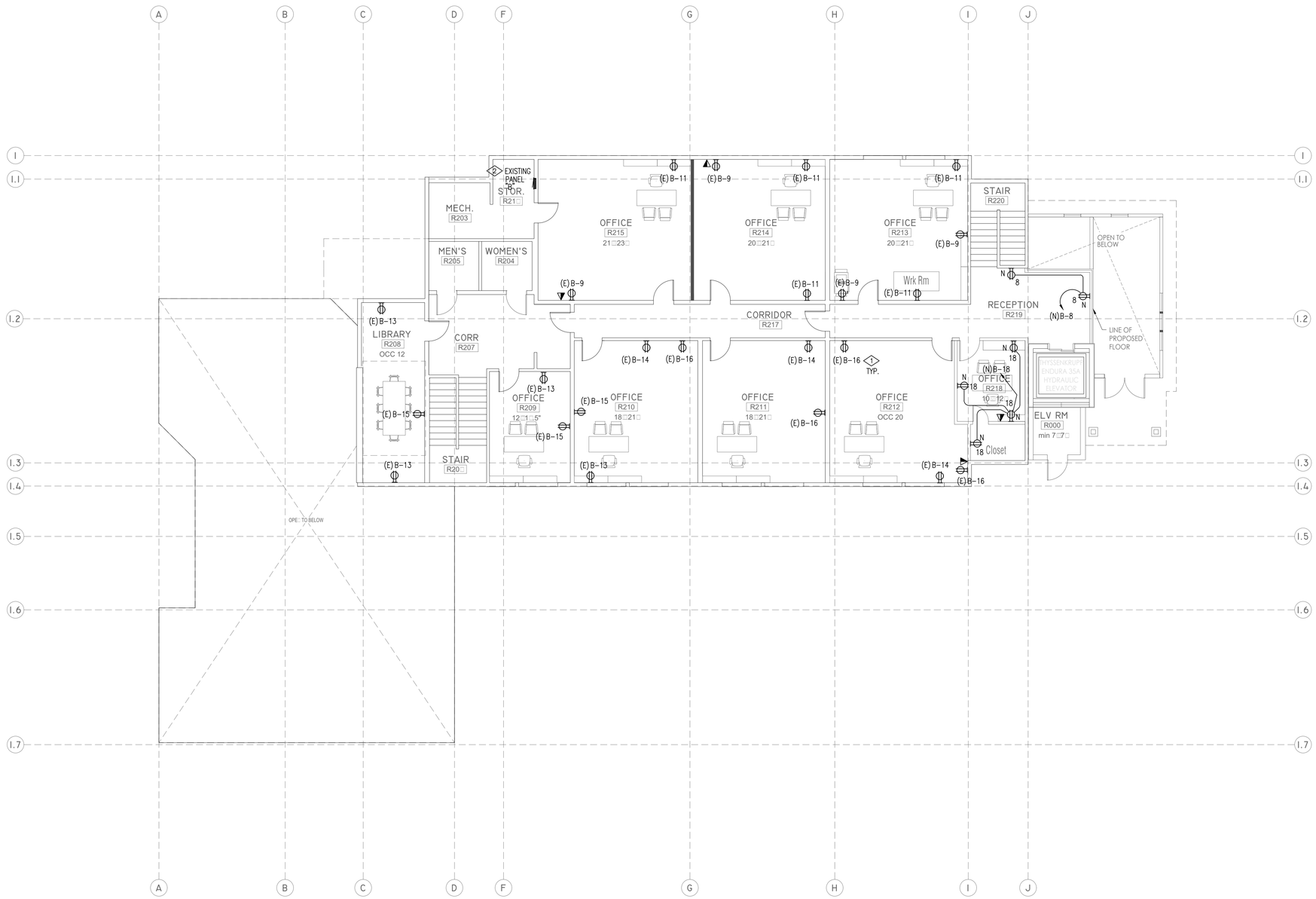
SCALE
1/8"=1'-0"

DRAWING NUMBER
E2.1A

COPYRIGHT 2014 RISEPOINTE. ALL RIGHTS RESERVED. USE BY WRITTEN PERMISSION ONLY

□amily Li□e Center - 1st □loor AV Po□er Plan | 1□8" □ 1□-0" Scale | 1

PLAN CHECK CORRECTIONS 9/06/2017



GENERAL NOTES

1. CONTRACTOR SHALL VISIT THE SITE AND EVALUATE ALL EXISTING CONDUIT AND ASSOCIATED DEVICES IN THE CEILING AND WALL SPACES. REMOVE ANY CONDUIT AND DEVICES THAT ARE NOT UTILIZED.
2. REFER TO SHEET E6.0 AND E6.1 FOR THE PANEL SCHEDULE.
3. ALL DEDICATED OUTLET SHALL HAVE SEPARATE CIRCUIT.
4. ALL ELECTRICAL OUTLETS LOCATED ABOVE COUNTERTOP WITHIN 6'–0" OF SINK AREA SHALL BE GFCI DUPLEX OUTLET. GFCI OUTLETS SHALL BE SELF–TEST, SELF–DIAGNOSTIC TYPE, HUBBELL AUTOGUARD SERIES OR EQUAL.
5. ELECTRICAL EQUIPMENT SHALL BE LISTED BY A CITY OF SIMI VALLEY RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY THE DEPARTMENT.
6. INSTALL SEPARATE CONDUITS WITH PULL STRINGS FOR TEL/DATA 6" ABOVE THE CEILING.
7. ALARM AND SECURITY EQUIPMENT SHALL BE PROVIDED BY THE TENANT. CONTRACTOR TO PROVIDE ALL CONDUIT RUNS, SUPPORT AND ASSOCIATED ELECTRICAL CONNECTION AS REQUIRED.
8. CONDUIT RUNS ARE DIAGRAMMATIC ONLY. ELECTRICAL CONTRACTOR TO VERIFY IN THE FIELD THE MOST FEASIBLE WAY OF ROUTING AND COMBINING HOMERUNS.
9. ALL RECEPTACLE OUTLET SHALL BE LABELLED WITH PANEL AND CIRCUIT NUMBER.
10. FIRE ALARM SYSTEM INCLUDING LOW–VOLTAGE TEL/DATA OUTLET SHALL BE DESIGN –BUILD AND ON A SEPARATE PERMIT SET. COORDINATE WITH THE FIRE ALARM CONTRACTOR/DRAWINGS AND LOW–VOLTAGE DESIGN PLAN FOR DETAILED INFORMATION.
11. ALL PRINTING MACHINES INCLUDING SCANNERS, PRINTERS, PHOTOCOPYING MACHINES – ELECTRICAL REQUIREMENTS SHALL BE VERIFIED AND COORDINATED ACCORDINGLY PRIOR TO OUTLET/CIRCUIT PROVISIONS.
12. DUPLEX OUTLET ON PRIVATE OFFICES, OPEN OFFICE AREA, RECEPTION LOBBY, CONFERENCE ROOMS AND CLASSROOMS SHALL BE PROVIDED WITH CONTROLLED 120V RECEPTACLE OUTLET. CEC 130.5(a)(5). SPLIT–WIRE RELAY CONTROLLER SHALL BE WATTSTOPPER LMPL–101 FOR ALL DUPLEX OUTLET.
13. TEL/DATA SPECIFIC REQUIREMENTS SHALL BE COORDINATED WITH THE LOW–VOLTAGE CONSULTANT.
14. MULTI–POLE CIRCUIT BREAKERS. PROVIDE AND INSTALL APPROVED HANDLE–TIES THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS FOR THE MULTIWIRE BRANCH CIRCUITS AS PER CEC 210.4 (B).
15. ELECTRICAL CONTRACTOR TO PROVIDE NECESSARY CIRCUIT ADJUSTMENT RELATED TO CIRCUIT DESIGNATION AS REQUIRED. PROVIDE ALL REQUIRED FEEDERS TO NEW AND AND EXISTING RECEPTACLE OUTLET.

REFERENCE NOTES

1. CLEAN, CHECK & REPLACE EXISTING RECEPTACLE FACEPLATE AS NEEDED. PROVIDE NEW DUPLEX OUTLET AS REQUIRED. TYPICAL ALL THROUGHOUT.
2. EXISTING PANEL "B" TO REMAIN.

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaeelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

1	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DENNIS R. MOORE
E–18048
EXP. 6–30–19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
FLC - 2ND FLOOR POWER PLAN

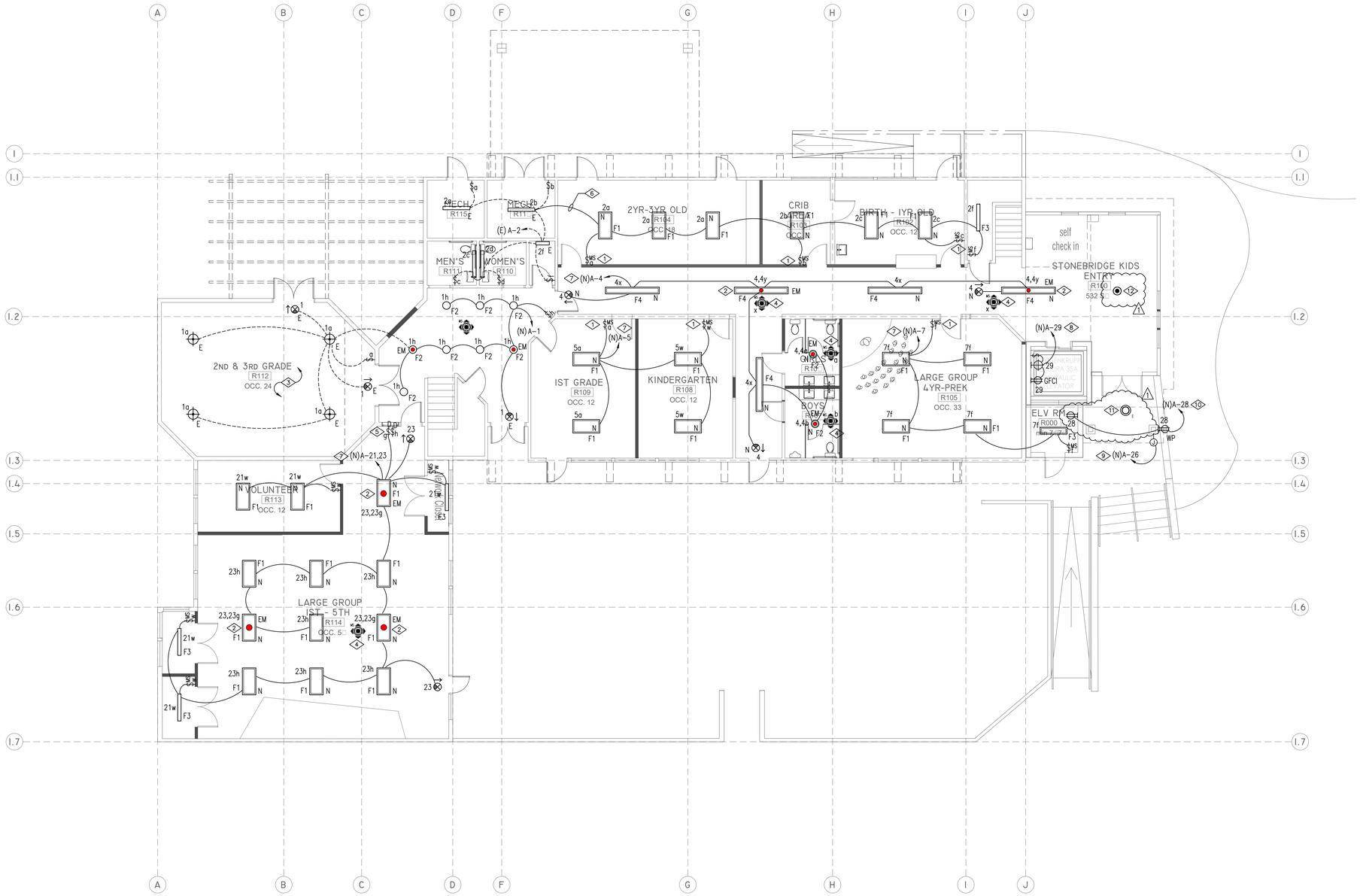
RP PROJECT NUMBER
16 - 299

SCALE
1/8"=1'-0"

DRAWING NUMBER
E2.2

COPYRIGHT 2014 RISEPOINTE ALL RIGHTS RESERVED. USE BY WRITTEN PERMISSION ONLY

□amily Li□e Center - 2nd □loor Po□er Plan | 1□8" □ 1□ 0" Scale | 1



GENERAL NOTES

1. ALL LIGHTING CIRCUITS SHALL BE CONTROLLED BY COMBINATION OF OCCUPANCY SENSOR AND MANUAL DIMMING SWITCH.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF LIGHTING FIXTURES.
3. FIXTURES TO BE VERIFIED WITH THE ARCHITECT, ENGINEER ON RECORD AND OWNER REP. PRIOR TO ORDERING.
4. COORDINATE AND VERIFY EXACT SWITCH LOCATION WITH THE ARCHITECT PRIOR TO INSTALLATION.
5. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E5.3 FOR LIGHTING SPECIFICATIONS.
6. LOWER CASE LETTER INDICATES THE SWITCHING DESIGNATION.
7. LIGHT SWITCHES TO BE MOUNTED @ +48" AFF., U.O.N.
8. ALL LIGHTING FIXTURES SHOWN ON PLAN ARE NEW UNLESS OTHERWISE NOTED.
9. ALL EMERGENCY LIGHTING FIXTURES SHALL BE PROVIDED WITH EMERGENCY BATTERY PACK MINIMUM OF 90-MINUTES.
10. PROVIDE MANUAL DIMMING SWITCH AS INDICATED ON THIS PLAN.
11. CONDUIT RUNS ARE DIAGRAMMATIC ONLY. ELECTRICAL CONTRACTOR SHALL VERIFY IN THE FIELD THE MOST FEASIBLE WAY OF ROUTING AND COMBINING HOMERUNS.
12. ALL LIGHTING PRODUCTS SHALL BE UL LISTED AND SUITABLE FOR THE APPLICATION.
13. ALL EXPOSE CONDUIT SHALL BE EMT (ELECTRIC METALLIC TUBING) TYPE OF CONDUIT. NO EXCEPTION.
14. OPEN CEILING SPACES: CONDUIT SHALL BE EMT TYPE MINIMUM OF 1/2"C., OR AS INDICATED IN PLAN. NO EXCEPTION.
15. OBSERVE CLEAN ELECTRICAL INSTALLATION ALL THROUGHOUT THE SPACE.
16. ALL NEW OFFICES, CONFERENCE ROOMS, SERVER ROOMS SHALL BE PROVIDED WITH COMBINATION OF OCCUPANCY SENSORS AND MANUAL DIMMING SWITCH.
17. ALL NEW OFFICES, AND CONFERENCE ROOMS SHALL BE PROVIDED WITH CONTROLLED RECEPTACLE OUTLET AS NOTED ON POWER PLAN. PROVIDE RELAY "LMPL-101" PLUG LOAD CONTROLLER CONNECTED TO THE OCCUPANCY SENSOR.

REFERENCE NOTES

1. PROVIDE WALL MOUNTED OCCUPANCY SENSOR.
2. PROVIDE EMERGENCY BATTERY PACK TO ALL EMERGENCY LIGHTING FIXTURES ALL THROUGHOUT THE EMERGENCY EGRESS PATH. TYPICAL.
3. ALL FIXTURE LOCATED IN THIS AREA SHALL BE EXISTING TO REMAIN. CLEAN, CHECK AND MAKE SURE ALL LIGHTING FIXTURE ARE OPERATIONAL.
4. PROVIDE CEILING MOUNTED OCCUPANCY SENSOR.
5. PROVIDE MANUAL DIMMING SWITCH.
6. INTERCEPT AND PROVIDE CONNECTION TO NEAREST LIGHTING CIRCUIT "A-2".
7. REUSE EXISTING LIGHTING CIRCUIT.
8. PROVIDE GFCI RECEPTACLE OUTLET AND GASKETED FLORESCENT FIXTURE AT THE ELEVATOR PIT AREA.
9. JBOX FOR CONNECTION TO FUTURE SIGNAGE. PROVIDE DEDICATED CIRCUIT.
10. PROVIDE WEATHERPROOF, GFCI RECEPTACLE OUTLET.
11. EXISTING LIGHTING FIXTURE TO BE REPLACE AND PROVIDED WITH EMERGENCY BATTERY PACK PER CBC 1008.3.2
12. PROVIDE DAYLIT SENSOR AS REQUIRED ON THIS AREA.

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

▷	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DENNIS R. MOSCOSO
E-18048
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
FLC - 1ST FLOOR LIGHTING PLAN

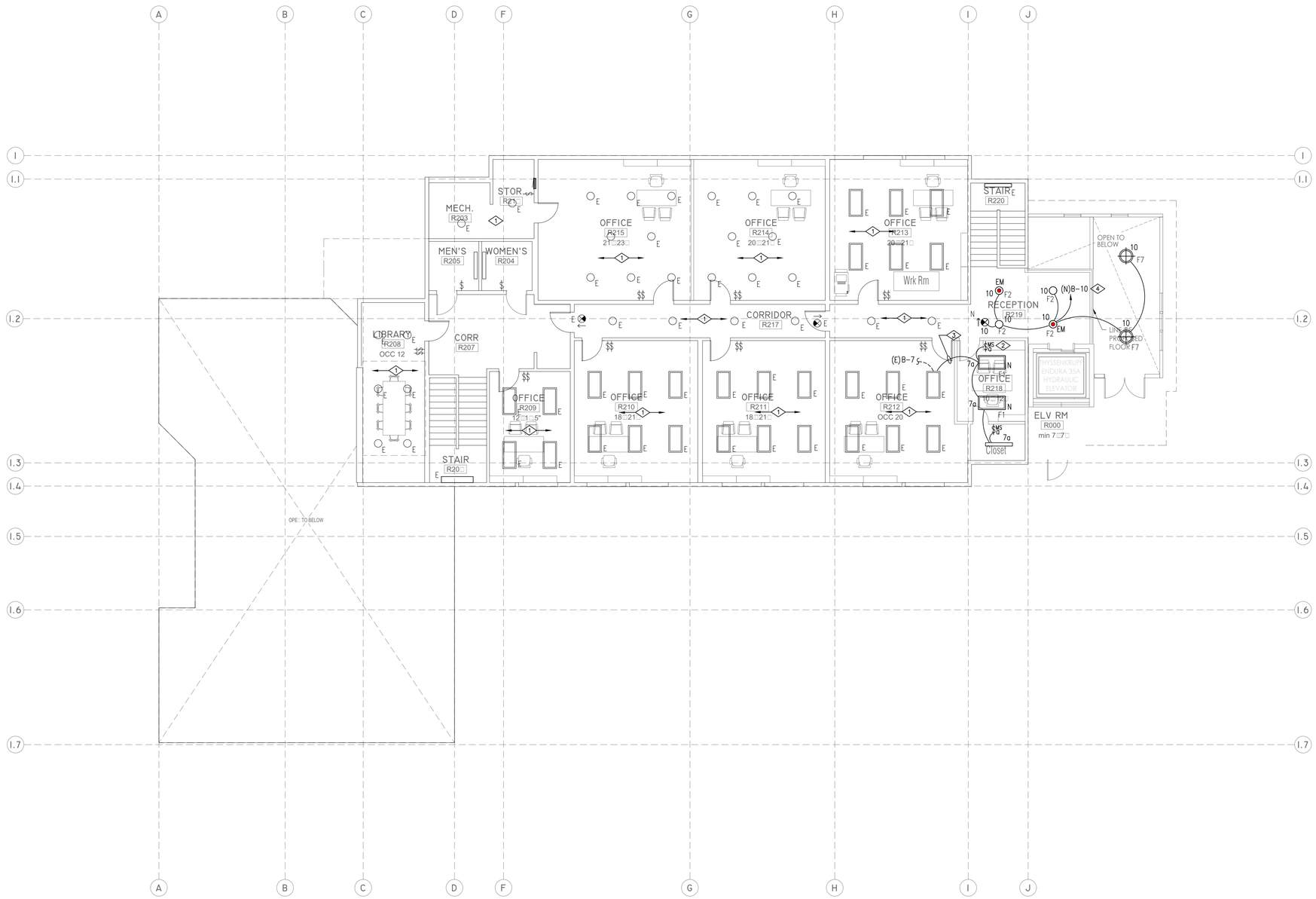
RP PROJECT NUMBER
16 - 299

SCALE
1/8"=1'-0"

DRAWING NUMBER
E3.1

COPYRIGHT 2014 RISEPOINTE ALL RIGHTS RESERVED. USE BY WRITTEN PERMISSION ONLY

Family Life Center - 1st Floor Lighting Plan | 1/8" = 1'-0" Scale | 1



GENERAL NOTES

1. ALL LIGHTING CIRCUITS SHALL BE CONTROLLED BY COMBINATION OF OCCUPANCY SENSOR AND MANUAL DIMMING SWITCH.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF LIGHTING FIXTURES.
3. FIXTURES TO BE VERIFIED WITH THE ARCHITECT, ENGINEER ON RECORD AND OWNER REP. PRIOR TO ORDERING.
4. COORDINATE AND VERIFY EXACT SWITCH LOCATION WITH THE ARCHITECT PRIOR TO INSTALLATION.
5. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E5.3 FOR LIGHTING SPECIFICATIONS.
6. LOWER CASE LETTER INDICATES THE SWITCHING DESIGNATION.
7. LIGHT SWITCHES TO BE MOUNTED @ +48" AFF., U.O.N.
8. ALL LIGHTING FIXTURES SHOWN ON PLAN ARE NEW UNLESS OTHERWISE NOTED.
9. ALL EMERGENCY LIGHTING FIXTURES SHALL BE PROVIDED WITH EMERGENCY BATTERY PACK MINIMUM OF 90-MINUTES.
10. PROVIDE MANUAL DIMMING SWITCH AS INDICATED ON THIS PLAN.
11. CONDUIT RUNS ARE DIAGRAMMATIC ONLY. ELECTRICAL CONTRACTOR SHALL VERIFY IN THE FIELD THE MOST FEASIBLE WAY OF ROUTING AND COMBINING HOMERUNS.
12. ALL LIGHTING PRODUCTS SHALL BE UL LISTED AND SUITABLE FOR THE APPLICATION.
13. ALL EXPOSE CONDUIT SHALL BE EMT (ELECTRIC METALLIC TUBING) TYPE OF CONDUIT. NO EXCEPTION.
14. OPEN CEILING SPACES: CONDUIT SHALL BE EMT TYPE MINIMUM OF 1/2"C., OR AS INDICATED IN PLAN. NO EXCEPTION.
15. OBSERVE CLEAN ELECTRICAL INSTALLATION ALL THROUGHOUT THE SPACE.
16. ALL NEW OFFICES, CONFERENCE ROOMS, SERVER ROOMS SHALL BE PROVIDED WITH COMBINATION OF OCCUPANCY SENSORS AND MANUAL DIMMING SWITCH.
17. ALL NEW OFFICES, AND CONFERENCE ROOMS SHALL BE PROVIDED WITH CONTROLLED RECEPTACLE OUTLET AS NOTED ON POWER PLAN. PROVIDE RELAY "LMPL-101" PLUG LOAD CONTROLLER CONNECTED TO THE OCCUPANCY SENSOR.

REFERENCE NOTES

1. ALL EXISTING LIGHTING FIXTURE SHALL BE CLEAN AND CHECK. REPLACE ANY DEFECTIVE LAMP. ALL NON-WORKING FIXTURE SHALL BE FIX AND/OR REPLACE. COORDINATE ALL REQUIRED WORK WITH THE BUILDING MANAGEMENT.
2. PROVIDE SINGLE GANG COMBINATION WALL MOUNTED OCCUPANCY SENSOR & DIMMER.
3. INTERCEPT AND PROVIDE CONNECTION TO NEAREST LIGHTING CIRCUIT "B-7".
4. RECEPTION 219 LIGHTING AND PENDANT MOUNTED FIXTURE SHALL BE CONTROLLED BY PROGRAMMABLE TIMECLOCK.

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaeelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

1	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DENNIS R. MOORE
E-18048
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
FLC - 2ND FLOOR LIGHTING PLAN

RP PROJECT NUMBER
16 - 299

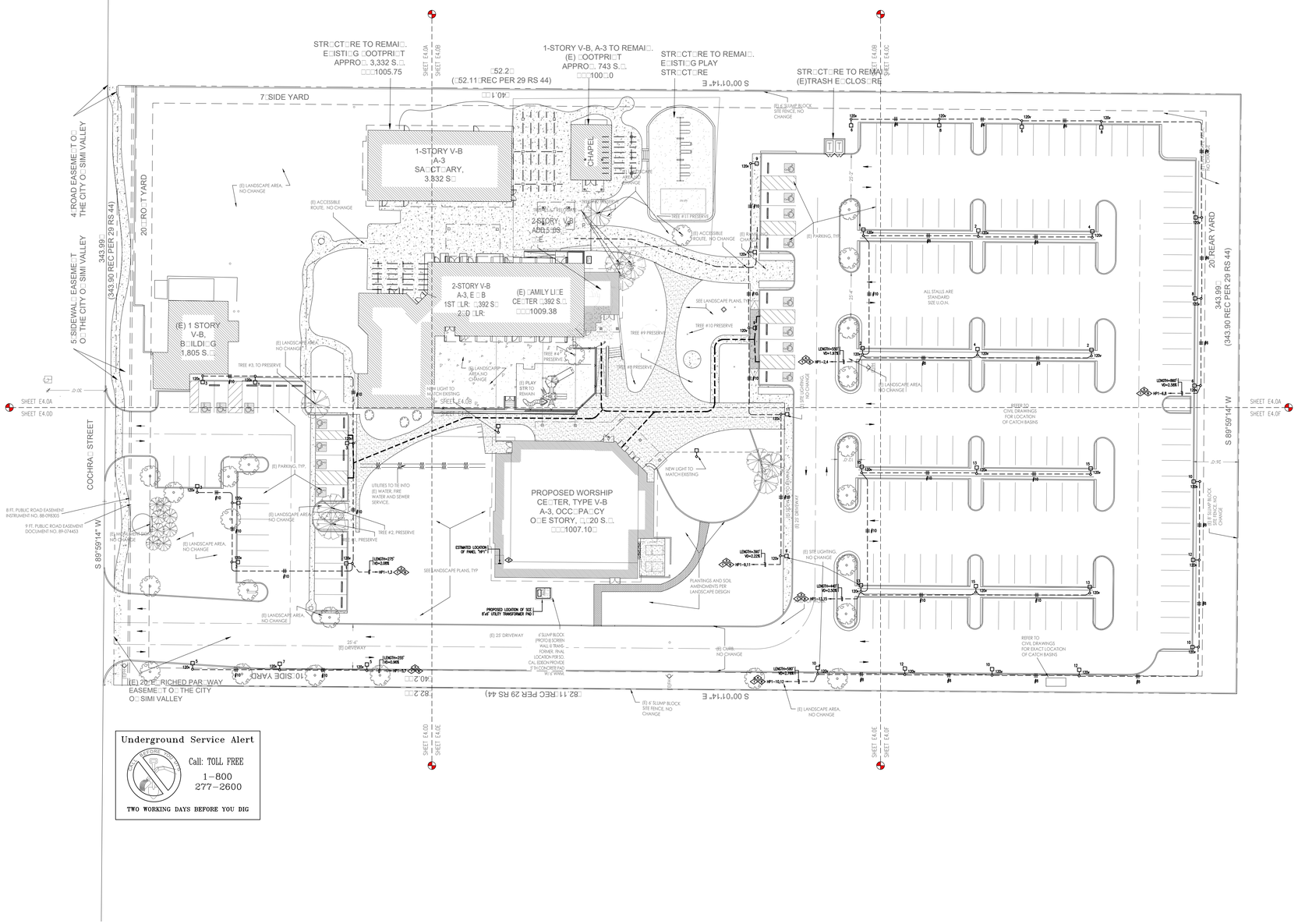
SCALE
1/8"=1'-0"

DRAWING NUMBER
E3.2

COPYRIGHT 2014 RISEPOINTE ALL RIGHTS RESERVED. USE BY WRITTEN PERMISSION ONLY

□amily Li□e Center - 2nd □loor Lighting Plan | 1□8" □ 1□-0" Scale | 1

PLAN CHECK CORRECTIONS 9/06/2017



Site Electrical Plan | 1/32" = 1' - 0" Scale | 1

GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO CHECK ALL FEASIBLE ROUTING OF CONDUITS AND WIRES AT THE JOB SITE INCLUDING LOCATIONS OF ALL ADDITIONAL EQUIPMENT FOR A COMPLETE FUNCTIONAL CODE COMPLIANT ELECTRICAL SYSTEM.
2. COORDINATE ALL PRIMARY ELECTRICAL CONNECTION WITH THE SCE SERVICE PLANNER, MS. MARY NORIEGA @ (805) 494-7040.
3. CONTRACTOR SHALL VISIT SITE AND DETERMINE ALL CONDITIONS AFFECTING ELECTRICAL WORK AND INCLUDE COSTS THEREFORE IN THIS CONTRACT PRICE.
4. CONTACT UTILITY COMPANIES AND PROVIDE ALL SERVICES, WORK, INSTALLATION AND COORDINATION REQUIRED FOR THEIR USE.
5. CONDUITS STUBS SHALL BE TERMINATED IN ACCESSIBLE LOCATIONS, SECURELY CAPPED, AND LOCATED BY AN APPROVED VISIBLE MARKER.
6. INSTALL APPROVED GROUNDING BUSHING AT EACH TERMINATION OF RIGID CONDUIT.
7. PROVIDE A MINIMUM OF 12" SEPARATION BETWEEN POWER AND TELEPHONE CONDUITS, WHERE THEY ARE INSTALLED IN SAME TRENCH OR CROSS.
8. ALL WORK REQUIRED FOR THE UTILITY SERVICES SHALL CONFORM TO THE REQUIREMENTS AND STANDARDS OF THE SERVING UTILITY COMPANIES.
9. LOCATION AND ROUTING OF ALL EXPOSED EQUIPMENT, PIPING, DUCTWORK, AND CONDUIT SHALL BE APPROVED BY THE ARCHITECT PRIOR TO START OF ANY WORK.
10. ALL UNDERGROUND ELECTRICAL CONDUITS SHALL BE PVC SCH. 40 MINIMUM.
11. NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN 25' OF THE THE FLOOR OR TO THE STRUCTURE CEILING ABOVE THE SPACE OF ELECTRICAL EQUIPMENT.
12. ALL EXTERIOR CONDUITS SHALL BE INSTALLED AT LEAST 24" BELOW GRADE OR SHALL MEET THE REQUIREMENTS BASED ON CEC TABLE 300.5
13. CONDUIT RUNS ARE DIAGRAMMATIC ONLY. REFER TO DRY UTILITY DRAWINGS FOR THE EXACT CONDUIT ROUTING AND EQUIPMENT TERMINATION.
14. REFER TO 2016 CEC TABLE 300.5 FOR THE MINIMUM COVER REQUIREMENTS OF DIRECT BURIAL CABLE. PROVIDE 24" BURIAL DEPTH OF UNDERGROUND CABLES FOR CONDUITS AND CONDUCTORS AND PROVIDE ALL REQUIRED COVER MATERIALS FOR THE DIRECT BURIED CONDUCTOR AND THE TOP SURFACE OF FINISH GRADE, CONCRETE OR SIMILAR COVER.
15. OBTAIN SCE DRAWINGS FROM THE SERVICE PLANNER PRIOR TO ROUGH-IN CONSTRUCTION OF PRIMARY ELECTRICAL POWER.
16. ALL OUTDOOR EQUIPMENT SHALL BE RATED WEATHERPROOF.
17. ALL OUTDOOR RECEPTACLE OUTLET SHALL BE WEATHERPROOF, GFCI.
18. ALL POLE LIGHTING FIXTURE SHALL BE THROUGH ASTRONOMICAL TIMECLOCK. PROVIDE PHOTOCONTROL SENSOR AS REQUIRED.
19. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF LIGHTING FIXTURES.
20. FIXTURES TO BE VERIFIED WITH THE ARCHITECT AND OWNER PRIOR TO ORDERING.
21. REFER TO LIGHTING FIXTURE SCHEDULE FOR LIGHTING SPECIFICATIONS.
22. CONTACT "DIG ALERT" OF SOUTHERN CALIFORNIA 2-DAYS BEFORE YOU DIG AT TELEPHONE NO. 1-800-277-2600
23. MAXIMUM VOLTAGE OF EACH BRANCH CIRCUIT SHOULD NOT EXCEED 3.00%

REFERENCE NOTES

1. PROVIDE 24 HOURS, 365 DAYS ASTRONOMICAL TIMECLOCK AND RUN CIRCUITS THROUGH TIMECLOCK. PROVIDE PHOTOCONTROL SENSOR TO ALL POLE LIGHTS AS REQUIRED.
2. MAIN ELECTRICAL ROOM LOCATION.
3. PROVIDE 3/4"C., 3#10 CU + 1#10 CU GND.
4. PROVIDE 3/4"C., 3#8 CU THWN + 1#8 CU GND.
5. PROVIDE 1"C., 3#6 CU THWN + 1#6 CU GND.
6. PROVIDE HANDLE-TIE CIRCUIT BREAKER.

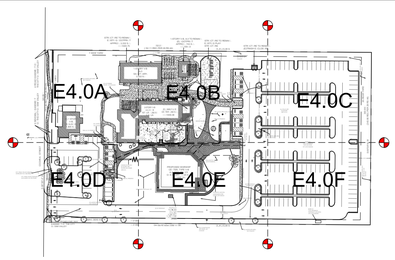
UTILITY: POWER

SCE CONTACT PERSON:

MARY NORIEGA
SERVICE PLANNER
POWER SYSTEM ENGINEERING DIVISION

SOUTHERN CALIFORNIA EDISON
ADD: 3589 FOOTHILL DRIVE
THOUSAND OAKS, CA. 91361
TEL. #: (805) 494-7040
EMAIL: Mary.Noriega@sce.com

KEY PLAN



DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 364-2594
Email: dennis@dsaelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

▷	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH

4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DENNIS A. STEREO
E-18048
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
WC SITE ELECTRICAL PLAN

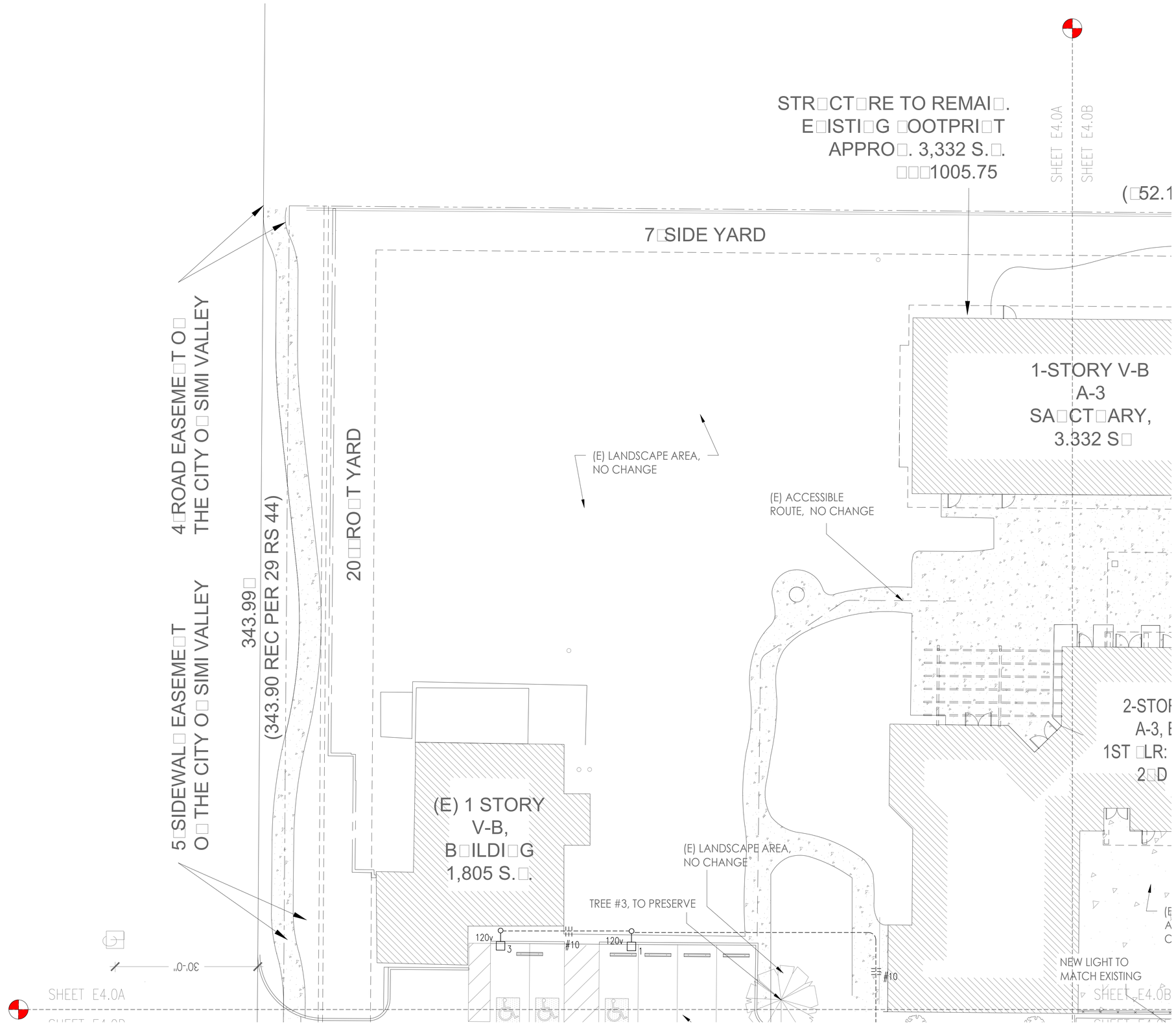
RP PROJECT NUMBER
16 - 299

SCALE
1/32"=1'-0"

DRAWING NUMBER
E4.0

COPYRIGHT 2016 RISEPOINTE, LLC. ALL RIGHTS RESERVED. USE OF CONTENT PERMISSIBLE ONLY

PLAN CHECK CORRECTIONS 9/06/2017



Partial Enlarged Site Electrical Plan | 3/32" □1□ 0" Scale | 1

GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO CHECK ALL FEASIBLE ROUTING OF CONDUITS AND WIRES AT THE JOB SITE INCLUDING LOCATIONS OF ALL ADDITIONAL EQUIPMENT FOR A COMPLETE FUNCTIONAL CODE COMPLIANT ELECTRICAL SYSTEM.
2. COORDINATE ALL PRIMARY ELECTRICAL CONNECTION WITH THE SCE SERVICE PLANNER, MS. MARY NORIEGA @ (805) 494-7040.
3. CONTRACTOR SHALL VISIT SITE AND DETERMINE ALL CONDITIONS AFFECTING ELECTRICAL WORK AND INCLUDE COSTS THEREFORE IN THIS CONTRACT PRICE.
4. CONTACT UTILITY COMPANIES AND PROVIDE ALL SERVICES, WORK, INSTALLATION AND COORDINATION REQUIRED FOR THEIR USE.
5. CONDUITS STUBS SHALL BE TERMINATED IN ACCESSIBLE LOCATIONS, SECURELY CAPPED, AND LOCATED BY AN APPROVED VISIBLE MARKER.
6. INSTALL APPROVED GROUNDING BUSHING AT EACH TERMINATION OF RIGID CONDUIT.
7. PROVIDE A MINIMUM OF 12" SEPARATION BETWEEN POWER AND TELEPHONE CONDUITS, WHERE THEY ARE INSTALLED IN SAME TRENCH OR CROSS.
8. ALL WORK REQUIRED FOR THE UTILITY SERVICES SHALL CONFORM TO THE REQUIREMENTS AND STANDARDS OF THE SERVING UTILITY COMPANIES.
9. LOCATION AND ROUTING OF ALL EXPOSED EQUIPMENT, PIPING, DUCTWORK, AND CONDUIT SHALL BE APPROVED BY THE ARCHITECT PRIOR TO START OF ANY WORK.
10. ALL UNDERGROUND ELECTRICAL CONDUITS SHALL BE PVC SCH. 40 MINIMUM.
11. NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN 25' OF THE THE FLOOR OR TO THE STRUCTURE CEILING ABOVE THE SPACE OF ELECTRICAL EQUIPMENT.
12. ALL EXTERIOR CONDUITS SHALL BE INSTALLED AT LEAST 24" BELOW GRADE OR SHALL MEET THE REQUIREMENTS BASED ON CEC TABLE 300.5
13. CONDUIT RUNS ARE DIAGRAMMATIC ONLY. REFER TO DRY UTILITY DRAWINGS FOR THE EXACT CONDUIT ROUTING AND EQUIPMENT TERMINATION.
14. REFER TO 2016 CEC TABLE 300.5 FOR THE MINIMUM COVER REQUIREMENTS OF DIRECT BURIAL CABLE. PROVIDE 24" BURIAL DEPTH OF UNDERGROUND CABLES FOR CONDUITS AND CONDUCTORS AND PROVIDE ALL REQUIRED COVER MATERIALS FOR THE DIRECT BURIED CONDUCTOR AND THE TOP SURFACE OF FINISH GRADE, CONCRETE OR SIMILAR COVER.
15. OBTAIN SCE DRAWINGS FROM THE SERVICE PLANNER PRIOR TO ROUGH-IN CONSTRUCTION OF PRIMARY ELECTRICAL POWER.
16. ALL OUTDOOR EQUIPMENT SHALL BE RATED WEATHERPROOF.
17. ALL OUTDOOR RECEPTACLE OUTLET SHALL BE WEATHERPROOF, GFCI.
18. ALL POLE LIGHTING FIXTURE SHALL BE THROUGH ASTRONOMICAL TIMECLOCK. PROVIDE PHOTOCONTROL SENSOR AS REQUIRED.
19. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF LIGHTING FIXTURES.
20. FIXTURES TO BE VERIFIED WITH THE ARCHITECT AND OWNER PRIOR TO ORDERING.
21. REFER TO LIGHTING FIXTURE SCHEDULE FOR LIGHTING SPECIFICATIONS.
22. CONTACT "DIG ALERT" OF SOUTHERN CALIFORNIA 2-DAYS BEFORE YOU DIG AT TELEPHONE NO. 1-800-277-2600

REFERENCE NOTES

1. PROVIDE 24 HOURS, 365 DAYS ASTRONOMICAL TIMECLOCK AND RUN CIRCUITS THROUGH TIMECLOCK. PROVIDE PHOTOCONTROL SENSOR TO ALL POLE LIGHTS AS REQUIRED.
2. MAIN ELECTRICAL ROOM LOCATION.
3. PROVIDE 3/4"C., 3#10 CU + 1#10 CU GND.
4. PROVIDE 3/4"C., 3#8 CU THWN + 1#8 CU GND.
5. PROVIDE 1"C., 3#6 CU THWN + 1#6 CU GND.
6. PROVIDE HANDLE-TIE CIRCUIT BREAKER.

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

▷	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DERMO A. CSOPAN
E-18048
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
WC PARTIAL ENLARGED SITE ELECTRICAL PLAN

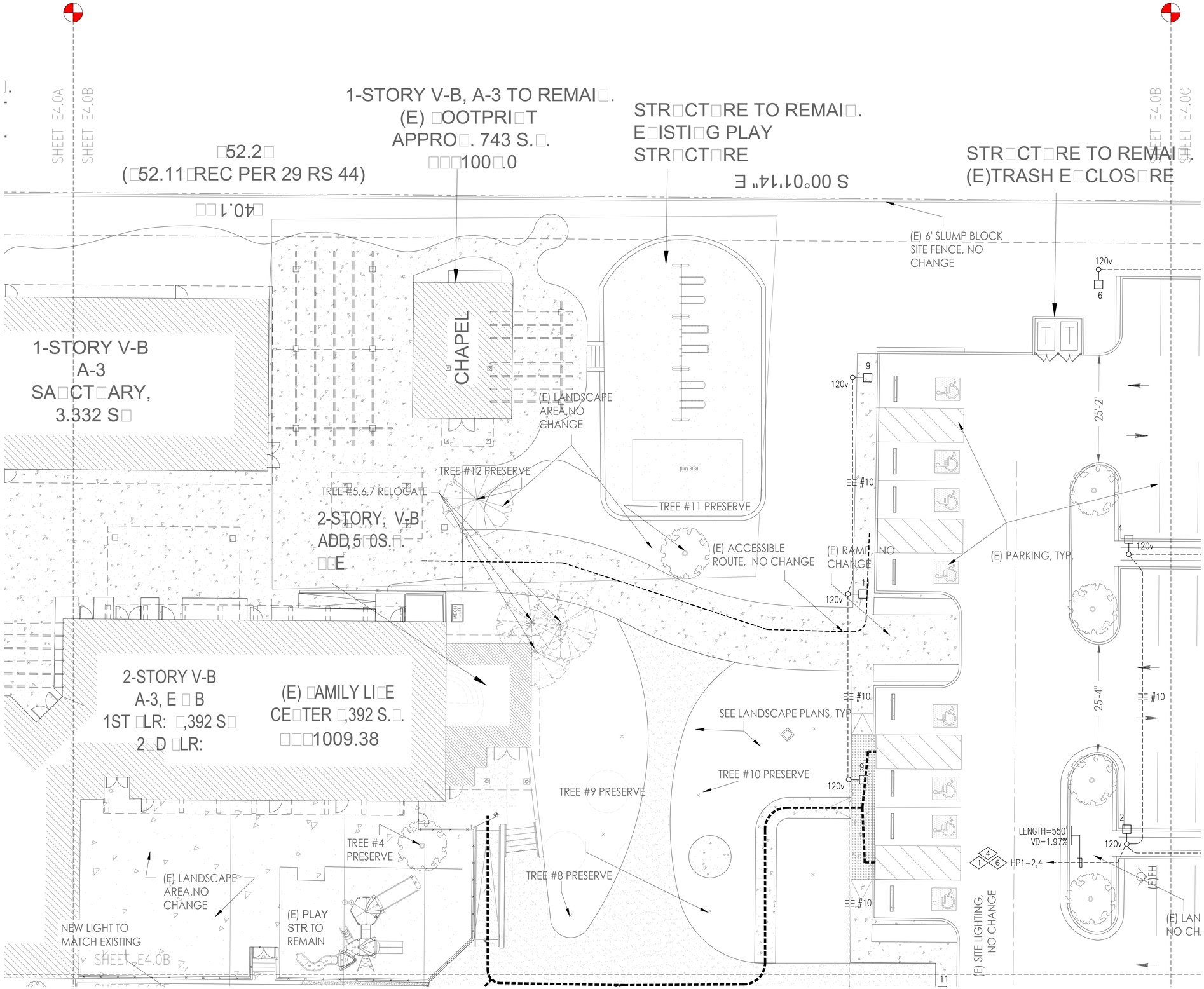
RP PROJECT NUMBER
16 - 299

SCALE
3/32"=1'-0"

DRAWING NUMBER
E4.0A

COPYRIGHT 2016 RISEPOINTE. ALL RIGHTS RESERVED. USE BY WRITTEN PERMISSION ONLY

PLAN CHECK CORRECTIONS 9/06/2017



Partial Enlarged Site Electrical Plan | 3/32" = 1' - 0" Scale | 1

GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO CHECK ALL FEASIBLE ROUTING OF CONDUITS AND WIRES AT THE JOB SITE INCLUDING LOCATIONS OF ALL ADDITIONAL EQUIPMENT FOR A COMPLETE FUNCTIONAL CODE COMPLIANT ELECTRICAL SYSTEM.
2. COORDINATE ALL PRIMARY ELECTRICAL CONNECTION WITH THE SCE SERVICE PLANNER, MS. MARY NORIEGA @ (805) 494-7040.
3. CONTRACTOR SHALL VISIT SITE AND DETERMINE ALL CONDITIONS AFFECTING ELECTRICAL WORK AND INCLUDE COSTS THEREFORE IN THIS CONTRACT PRICE.
4. CONTACT UTILITY COMPANIES AND PROVIDE ALL SERVICES, WORK, INSTALLATION AND COORDINATION REQUIRED FOR THEIR USE.
5. CONDUITS STUBS SHALL BE TERMINATED IN ACCESSIBLE LOCATIONS, SECURELY CAPPED, AND LOCATED BY AN APPROVED VISIBLE MARKER.
6. INSTALL APPROVED GROUNDING BUSHING AT EACH TERMINATION OF RIGID CONDUIT.
7. PROVIDE A MINIMUM OF 12" SEPARATION BETWEEN POWER AND TELEPHONE CONDUITS, WHERE THEY ARE INSTALLED IN SAME TRENCH OR CROSS.
8. ALL WORK REQUIRED FOR THE UTILITY SERVICES SHALL CONFORM TO THE REQUIREMENTS AND STANDARDS OF THE SERVING UTILITY COMPANIES.
9. LOCATION AND ROUTING OF ALL EXPOSED EQUIPMENT, PIPING, DUCTWORK, AND CONDUIT SHALL BE APPROVED BY THE ARCHITECT PRIOR TO START OF ANY WORK.
10. ALL UNDERGROUND ELECTRICAL CONDUITS SHALL BE PVC SCH. 40 MINIMUM.
11. NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN 25' OF THE THE FLOOR OR TO THE STRUCTURE CEILING ABOVE THE SPACE OF ELECTRICAL EQUIPMENT.
12. ALL EXTERIOR CONDUITS SHALL BE INSTALLED AT LEAST 24" BELOW GRADE OR SHALL MEET THE REQUIREMENTS BASED ON CEC TABLE 300.5
13. CONDUIT RUNS ARE DIAGRAMMATIC ONLY. REFER TO DRY UTILITY DRAWINGS FOR THE EXACT CONDUIT ROUTING AND EQUIPMENT TERMINATION.
14. REFER TO 2016 CEC TABLE 300.5 FOR THE MINIMUM COVER REQUIREMENTS OF DIRECT BURIAL CABLE. PROVIDE 24" BURIAL DEPTH OF UNDERGROUND CABLES FOR CONDUITS AND CONDUCTORS AND PROVIDE ALL REQUIRED COVER MATERIALS FOR THE DIRECT BURIED CONDUCTOR AND THE TOP SURFACE OF FINISH GRADE, CONCRETE OR SIMILAR COVER.
15. OBTAIN SCE DRAWINGS FROM THE SERVICE PLANNER PRIOR TO ROUGH-IN CONSTRUCTION OF PRIMARY ELECTRICAL POWER.
16. ALL OUTDOOR EQUIPMENT SHALL BE RATED WEATHERPROOF.
17. ALL OUTDOOR RECEPTACLE OUTLET SHALL BE WEATHERPROOF, GFCI.
18. ALL POLE LIGHTING FIXTURE SHALL BE THROUGH ASTRONOMICAL TIMECLOCK. PROVIDE PHOTOCONTROL SENSOR AS REQUIRED.
19. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF LIGHTING FIXTURES.
20. FIXTURES TO BE VERIFIED WITH THE ARCHITECT AND OWNER PRIOR TO ORDERING.
21. REFER TO LIGHTING FIXTURE SCHEDULE FOR LIGHTING SPECIFICATIONS.
22. CONTACT "DIG ALERT" OF SOUTHERN CALIFORNIA 2-DAYS BEFORE YOU DIG AT TELEPHONE NO. 1-800-277-2600

REFERENCE NOTES

1. PROVIDE 24 HOURS, 365 DAYS ASTRONOMICAL TIMECLOCK AND RUN CIRCUITS THROUGH TIMECLOCK. PROVIDE PHOTOCONTROL SENSOR TO ALL POLE LIGHTS AS REQUIRED.
2. MAIN ELECTRICAL ROOM LOCATION.
3. PROVIDE 3/4"C., 3#10 CU + 1#10 CU GND.
4. PROVIDE 3/4"C., 3#8 CU THWN + 1#8 CU GND.
5. PROVIDE 1"C., 3#6 CU THWN + 1#6 CU GND.
6. PROVIDE HANDLE-TIE CIRCUIT BREAKER.

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaeelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

1	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DENNIS R. MOSCOSO
E-18048
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
WC PARTIAL ENLARGED SITE ELECTRICAL PLAN

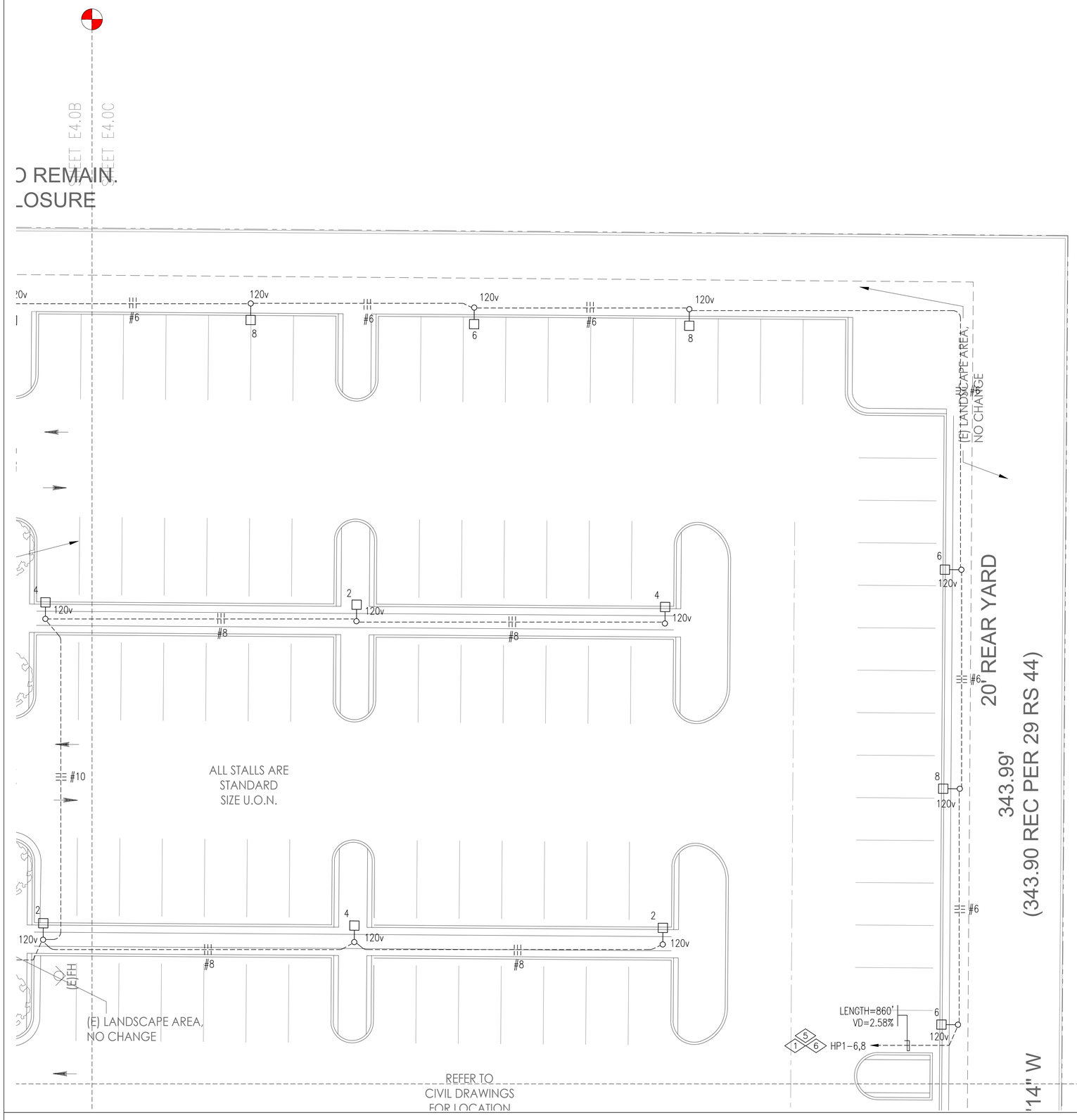
RP PROJECT NUMBER
16 - 299

SCALE
3/32"=1'-0"

DRAWING NUMBER
E4.0B

COPYRIGHT 2014 RISEPOINTE ALL RIGHTS RESERVED, USE BY WRITTEN PERMISSION ONLY

PLAN CHECK CORRECTIONS 9/06/2017



GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO CHECK ALL FEASIBLE ROUTING OF CONDUITS AND WIRES AT THE JOB SITE INCLUDING LOCATIONS OF ALL ADDITIONAL EQUIPMENT FOR A COMPLETE FUNCTIONAL CODE COMPLIANT ELECTRICAL SYSTEM.
2. COORDINATE ALL PRIMARY ELECTRICAL CONNECTION WITH THE SCE SERVICE PLANNER, MS. MARY NORIEGA @ (805) 494-7040.
3. CONTRACTOR SHALL VISIT SITE AND DETERMINE ALL CONDITIONS AFFECTING ELECTRICAL WORK AND INCLUDE COSTS THEREFORE IN THIS CONTRACT PRICE.
4. CONTACT UTILITY COMPANIES AND PROVIDE ALL SERVICES, WORK, INSTALLATION AND COORDINATION REQUIRED FOR THEIR USE.
5. CONDUITS STUBS SHALL BE TERMINATED IN ACCESSIBLE LOCATIONS, SECURELY CAPPED, AND LOCATED BY AN APPROVED VISIBLE MARKER.
6. INSTALL APPROVED GROUNDING BUSHING AT EACH TERMINATION OF RIGID CONDUIT.
7. PROVIDE A MINIMUM OF 12" SEPARATION BETWEEN POWER AND TELEPHONE CONDUITS, WHERE THEY ARE INSTALLED IN SAME TRENCH OR CROSS.
8. ALL WORK REQUIRED FOR THE UTILITY SERVICES SHALL CONFORM TO THE REQUIREMENTS AND STANDARDS OF THE SERVING UTILITY COMPANIES.
9. LOCATION AND ROUTING OF ALL EXPOSED EQUIPMENT, PIPING, DUCTWORK, AND CONDUIT SHALL BE APPROVED BY THE ARCHITECT PRIOR TO START OF ANY WORK.
10. ALL UNDERGROUND ELECTRICAL CONDUITS SHALL BE PVC SCH. 40 MINIMUM.
11. NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN 25' OF THE THE FLOOR OR TO THE STRUCTURE CEILING ABOVE THE SPACE OF ELECTRICAL EQUIPMENT.
12. ALL EXTERIOR CONDUITS SHALL BE INSTALLED AT LEAST 24" BELOW GRADE OR SHALL MEET THE REQUIREMENTS BASED ON CEC TABLE 300.5
13. CONDUIT RUNS ARE DIAGRAMMATIC ONLY. REFER TO DRY UTILITY DRAWINGS FOR THE EXACT CONDUIT ROUTING AND EQUIPMENT TERMINATION.
14. REFER TO 2016 CEC TABLE 300.5 FOR THE MINIMUM COVER REQUIREMENTS OF DIRECT BURIAL CABLE. PROVIDE 24" BURIAL DEPTH OF UNDERGROUND CABLES FOR CONDUITS AND CONDUCTORS AND PROVIDE ALL REQUIRED COVER MATERIALS FOR THE DIRECT BURIED CONDUCTOR AND THE TOP SURFACE OF FINISH GRADE, CONCRETE OR SIMILAR COVER.
15. OBTAIN SCE DRAWINGS FROM THE SERVICE PLANNER PRIOR TO ROUGH-IN CONSTRUCTION OF PRIMARY ELECTRICAL POWER.
16. ALL OUTDOOR EQUIPMENT SHALL BE RATED WEATHERPROOF.
17. ALL OUTDOOR RECEPTACLE OUTLET SHALL BE WEATHERPROOF, GFCI.
18. ALL POLE LIGHTING FIXTURE SHALL BE THROUGH ASTRONOMICAL TIMECLOCK. PROVIDE PHOTOCONTROL SENSOR AS REQUIRED.
19. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF LIGHTING FIXTURES.
20. FIXTURES TO BE VERIFIED WITH THE ARCHITECT AND OWNER PRIOR TO ORDERING.
21. REFER TO LIGHTING FIXTURE SCHEDULE FOR LIGHTING SPECIFICATIONS.
22. CONTACT "DIG ALERT" OF SOUTHERN CALIFORNIA 2-DAYS BEFORE YOU DIG AT TELEPHONE NO. 1-800-277-2600

REFERENCE NOTES

1. PROVIDE 24 HOURS, 365 DAYS ASTRONOMICAL TIMECLOCK AND RUN CIRCUITS THROUGH TIMECLOCK. PROVIDE PHOTOCONTROL SENSOR TO ALL POLE LIGHTS AS REQUIRED.
2. MAIN ELECTRICAL ROOM LOCATION.
3. PROVIDE 3/4"C., 3#10 CU + 1#10 CU GND.
4. PROVIDE 3/4"C., 3#8 CU THWN + 1#8 CU GND.
5. PROVIDE 1"C., 3#6 CU THWN + 1#6 CU GND.
6. PROVIDE HANDLE-TIE CIRCUIT BREAKER.

Partial Enlarged Site Electrical Plan | 3/32" = 1' - 0" Scale | 1

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA 90232
Tel: (310) 384-2594
Email: dennis@dsaelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

▷	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DENNIS R. MOSCOSO
E-18048
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
WC PARTIAL ENLARGED SITE ELECTRICAL PLAN

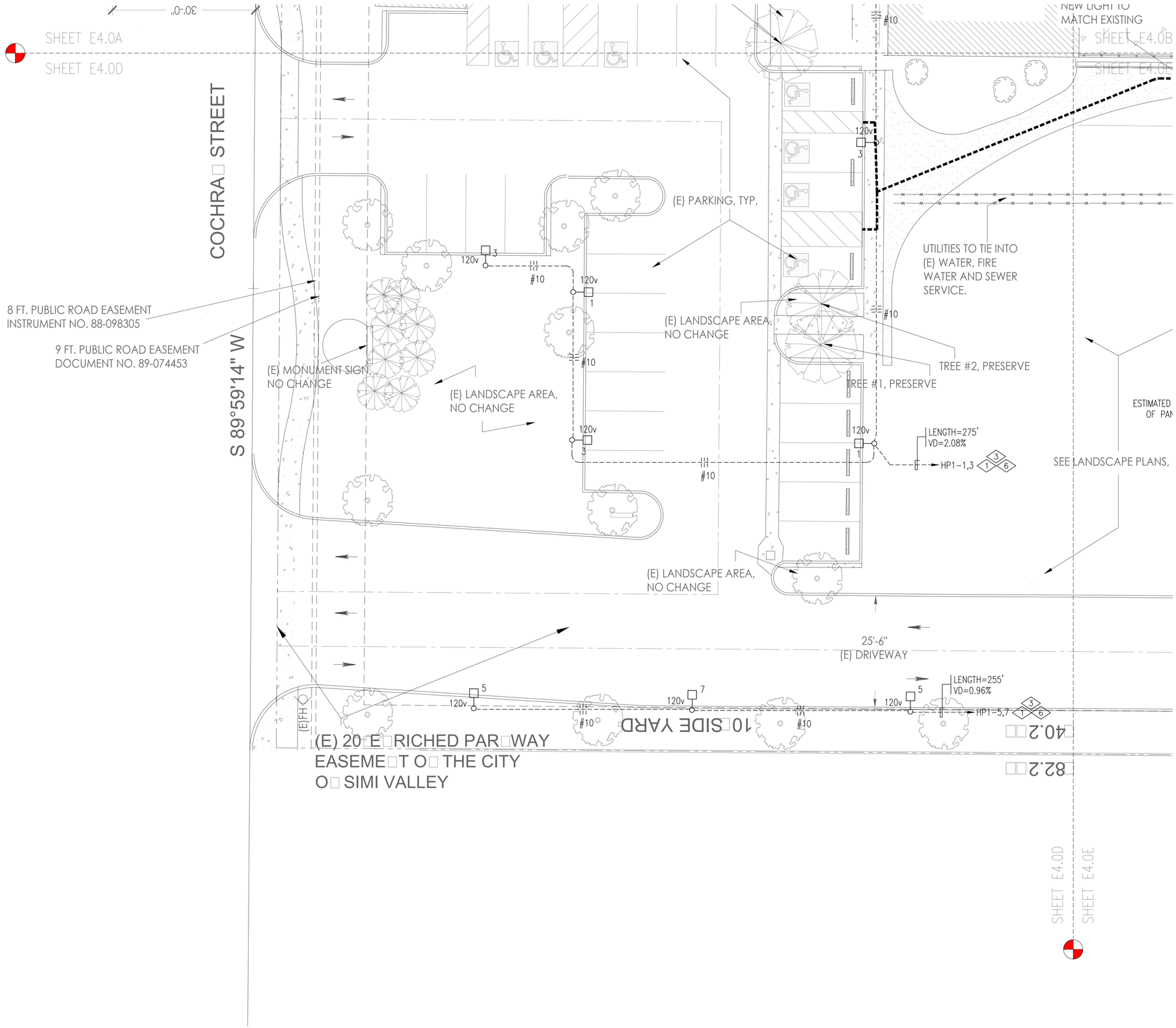
RP PROJECT NUMBER
16 - 299

SCALE
3/32"=1'-0"

DRAWING NUMBER
E4.0C

COPYRIGHT 2016 RISEPOINTE. ALL RIGHTS RESERVED. USE BY WRITTEN PERMISSION ONLY

PLAN CHECK CORRECTIONS 9/06/2017



GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO CHECK ALL FEASIBLE ROUTING OF CONDUITS AND WIRES AT THE JOB SITE INCLUDING LOCATIONS OF ALL ADDITIONAL EQUIPMENT FOR A COMPLETE FUNCTIONAL CODE COMPLIANT ELECTRICAL SYSTEM.
2. COORDINATE ALL PRIMARY ELECTRICAL CONNECTION WITH THE SCE SERVICE PLANNER, MS. MARY NORIEGA @ (805) 494-7040.
3. CONTRACTOR SHALL VISIT SITE AND DETERMINE ALL CONDITIONS AFFECTING ELECTRICAL WORK AND INCLUDE COSTS THEREFORE IN THIS CONTRACT PRICE.
4. CONTACT UTILITY COMPANIES AND PROVIDE ALL SERVICES, WORK, INSTALLATION AND COORDINATION REQUIRED FOR THEIR USE.
5. CONDUITS STUBS SHALL BE TERMINATED IN ACCESSIBLE LOCATIONS, SECURELY CAPPED, AND LOCATED BY AN APPROVED VISIBLE MARKER.
6. INSTALL APPROVED GROUNDING BUSHING AT EACH TERMINATION OF RIGID CONDUIT.
7. PROVIDE A MINIMUM OF 12" SEPARATION BETWEEN POWER AND TELEPHONE CONDUITS, WHERE THEY ARE INSTALLED IN SAME TRENCH OR CROSS.
8. ALL WORK REQUIRED FOR THE UTILITY SERVICES SHALL CONFORM TO THE REQUIREMENTS AND STANDARDS OF THE SERVING UTILITY COMPANIES.
9. LOCATION AND ROUTING OF ALL EXPOSED EQUIPMENT, PIPING, DUCTWORK, AND CONDUIT SHALL BE APPROVED BY THE ARCHITECT PRIOR TO START OF ANY WORK.
10. ALL UNDERGROUND ELECTRICAL CONDUITS SHALL BE PVC SCH. 40 MINIMUM.
11. NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN 25' OF THE THE FLOOR OR TO THE STRUCTURE CEILING ABOVE THE SPACE OF ELECTRICAL EQUIPMENT.
12. ALL EXTERIOR CONDUITS SHALL BE INSTALLED AT LEAST 24" BELOW GRADE OR SHALL MEET THE REQUIREMENTS BASED ON CEC TABLE 300.5
13. CONDUIT RUNS ARE DIAGRAMMATIC ONLY. REFER TO DRY UTILITY DRAWINGS FOR THE EXACT CONDUIT ROUTING AND EQUIPMENT TERMINATION.
14. REFER TO 2016 CEC TABLE 300.5 FOR THE MINIMUM COVER REQUIREMENTS OF DIRECT BURIAL CABLE. PROVIDE 24" BURIAL DEPTH OF UNDERGROUND CABLES FOR CONDUITS AND CONDUCTORS AND PROVIDE ALL REQUIRED COVER MATERIALS FOR THE DIRECT BURIED CONDUCTOR AND THE TOP SURFACE OF FINISH GRADE, CONCRETE OR SIMILAR COVER.
15. OBTAIN SCE DRAWINGS FROM THE SERVICE PLANNER PRIOR TO ROUGH-IN CONSTRUCTION OF PRIMARY ELECTRICAL POWER.
16. ALL OUTDOOR EQUIPMENT SHALL BE RATED WEATHERPROOF.
17. ALL OUTDOOR RECEPTACLE OUTLET SHALL BE WEATHERPROOF, GFCI.
18. ALL POLE LIGHTING FIXTURE SHALL BE THROUGH ASTRONOMICAL TIMECLOCK. PROVIDE PHOTOCONTROL SENSOR AS REQUIRED.
19. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF LIGHTING FIXTURES.
20. FIXTURES TO BE VERIFIED WITH THE ARCHITECT AND OWNER PRIOR TO ORDERING.
21. REFER TO LIGHTING FIXTURE SCHEDULE FOR LIGHTING SPECIFICATIONS.
22. CONTACT "DIG ALERT" OF SOUTHERN CALIFORNIA 2-DAYS BEFORE YOU DIG AT TELEPHONE NO. 1-800-277-2600

REFERENCE NOTES

1. PROVIDE 24 HOURS, 365 DAYS ASTRONOMICAL TIMECLOCK AND RUN CIRCUITS THROUGH TIMECLOCK. PROVIDE PHOTOCONTROL SENSOR TO ALL POLE LIGHTS AS REQUIRED.
2. MAIN ELECTRICAL ROOM LOCATION.
3. PROVIDE 3/4"C., 3#10 CU + 1#10 CU GND.
4. PROVIDE 3/4"C., 3#8 CU THWN + 1#8 CU GND.
5. PROVIDE 1"C., 3#6 CU THWN + 1#6 CU GND.
6. PROVIDE HANDLE-TIE CIRCUIT BREAKER.

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaeelectric.net

Partial Enlarged Site Electrical Plan | 3/32" = 1' - 0" Scale | 1

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

1	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DENNIS R. MOORE
E-18048
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
WC PARTIAL ENLARGED SITE ELECTRICAL PLAN

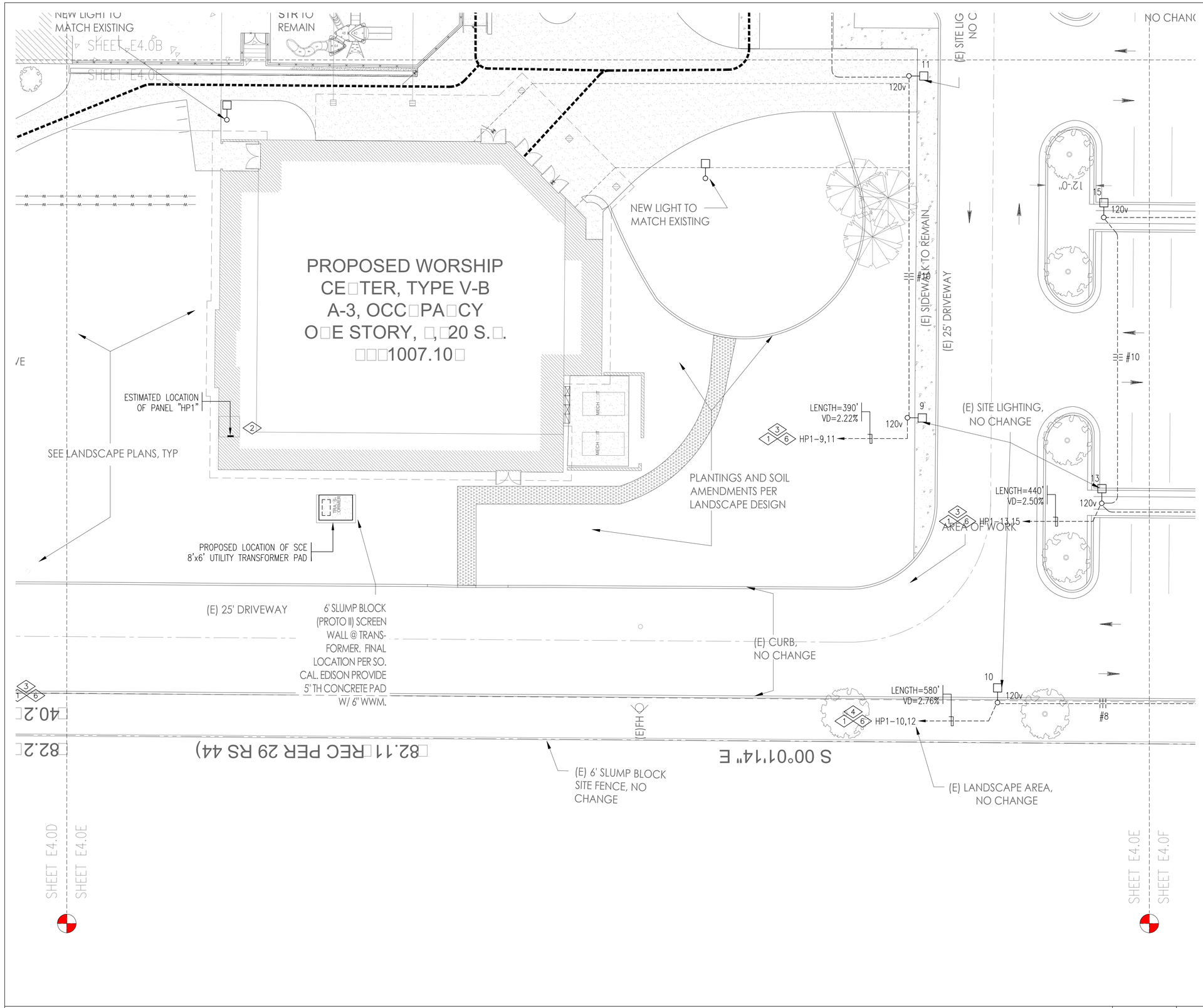
RP PROJECT NUMBER
16 - 299

SCALE
3/32"=1'-0"

DRAWING NUMBER
E4.0D

COPYRIGHT 2014 RISEPOINTE ALL RIGHTS RESERVED. USE BY WRITTEN PERMISSION ONLY

PLAN CHECK CORRECTIONS 9/06/2017



Partial Enlarged Site Electrical Plan | 3/32" = 1' - 0" Scale | 1

GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO CHECK ALL FEASIBLE ROUTING OF CONDUITS AND WIRES AT THE JOB SITE INCLUDING LOCATIONS OF ALL ADDITIONAL EQUIPMENT FOR A COMPLETE FUNCTIONAL CODE COMPLIANT ELECTRICAL SYSTEM.
2. COORDINATE ALL PRIMARY ELECTRICAL CONNECTION WITH THE SCE SERVICE PLANNER, MS. MARY NORIEGA @ (805) 494-7040.
3. CONTRACTOR SHALL VISIT SITE AND DETERMINE ALL CONDITIONS AFFECTING ELECTRICAL WORK AND INCLUDE COSTS THEREFORE IN THIS CONTRACT PRICE.
4. CONTACT UTILITY COMPANIES AND PROVIDE ALL SERVICES, WORK, INSTALLATION AND COORDINATION REQUIRED FOR THEIR USE.
5. CONDUITS STUBS SHALL BE TERMINATED IN ACCESSIBLE LOCATIONS, SECURELY CAPPED, AND LOCATED BY AN APPROVED VISIBLE MARKER.
6. INSTALL APPROVED GROUNDING BUSHING AT EACH TERMINATION OF RIGID CONDUIT.
7. PROVIDE A MINIMUM OF 12" SEPARATION BETWEEN POWER AND TELEPHONE CONDUITS, WHERE THEY ARE INSTALLED IN SAME TRENCH OR CROSS.
8. ALL WORK REQUIRED FOR THE UTILITY SERVICES SHALL CONFORM TO THE REQUIREMENTS AND STANDARDS OF THE SERVING UTILITY COMPANIES.
9. LOCATION AND ROUTING OF ALL EXPOSED EQUIPMENT, PIPING, DUCTWORK, AND CONDUIT SHALL BE APPROVED BY THE ARCHITECT PRIOR TO START OF ANY WORK.
10. ALL UNDERGROUND ELECTRICAL CONDUITS SHALL BE PVC SCH. 40 MINIMUM.
11. NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN 25' OF THE THE FLOOR OR TO THE STRUCTURE CEILING ABOVE THE SPACE OF ELECTRICAL EQUIPMENT.
12. ALL EXTERIOR CONDUITS SHALL BE INSTALLED AT LEAST 24" BELOW GRADE OR SHALL MEET THE REQUIREMENTS BASED ON CEC TABLE 300.5
13. CONDUIT RUNS ARE DIAGRAMMATIC ONLY. REFER TO DRY UTILITY DRAWINGS FOR THE EXACT CONDUIT ROUTING AND EQUIPMENT TERMINATION.
14. REFER TO 2016 CEC TABLE 300.5 FOR THE MINIMUM COVER REQUIREMENTS OF DIRECT BURIAL CABLE. PROVIDE 24" BURIAL DEPTH OF UNDERGROUND CABLES FOR CONDUITS AND CONDUCTORS AND PROVIDE ALL REQUIRED COVER MATERIALS FOR THE DIRECT BURIED CONDUCTOR AND THE TOP SURFACE OF FINISH GRADE, CONCRETE OR SIMILAR COVER.
15. OBTAIN SCE DRAWINGS FROM THE SERVICE PLANNER PRIOR TO ROUGH-IN CONSTRUCTION OF PRIMARY ELECTRICAL POWER.
16. ALL OUTDOOR EQUIPMENT SHALL BE RATED WEATHERPROOF.
17. ALL OUTDOOR RECEPTACLE OUTLET SHALL BE WEATHERPROOF, GFCI.
18. ALL POLE LIGHTING FIXTURE SHALL BE THROUGH ASTRONOMICAL TIMECLOCK. PROVIDE PHOTOCONTROL SENSOR AS REQUIRED.
19. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF LIGHTING FIXTURES.
20. FIXTURES TO BE VERIFIED WITH THE ARCHITECT AND OWNER PRIOR TO ORDERING.
21. REFER TO LIGHTING FIXTURE SCHEDULE FOR LIGHTING SPECIFICATIONS.
22. CONTACT "DIG ALERT" OF SOUTHERN CALIFORNIA 2-DAYS BEFORE YOU DIG AT TELEPHONE NO. 1-800-277-2600

REFERENCE NOTES

1. PROVIDE 24 HOURS, 365 DAYS ASTRONOMICAL TIMECLOCK AND RUN CIRCUITS THROUGH TIMECLOCK. PROVIDE PHOTOCONTROL SENSOR TO ALL POLE LIGHTS AS REQUIRED.
2. MAIN ELECTRICAL ROOM LOCATION.
3. PROVIDE 3/4"C., 3#10 CU + 1#10 CU GND.
4. PROVIDE 3/4"C., 3#8 CU THWN + 1#8 CU GND.
5. PROVIDE 1"C., 3#6 CU THWN + 1#6 CU GND.
6. PROVIDE HANDLE-TIE CIRCUIT BREAKER.

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DENNIS R. MOORE
E-18048
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
WC PARTIAL ENLARGED SITE ELECTRICAL PLAN

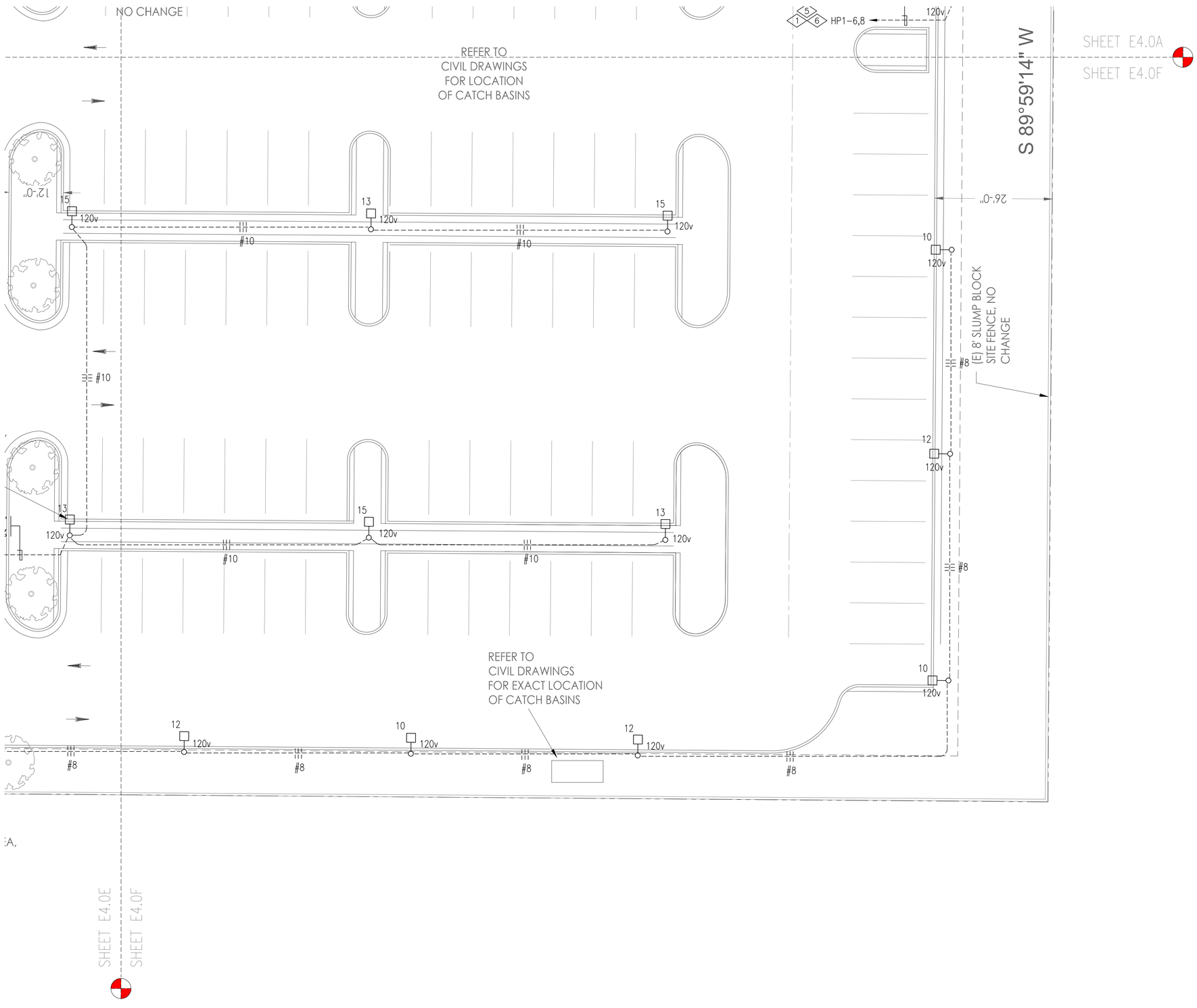
RP PROJECT NUMBER
16 - 299

SCALE
3/32"=1'-0"

DRAWING NUMBER
E4.0E

COPYRIGHT 2014 RISEPOINTE ALL RIGHTS RESERVED. USE BY WRITTEN PERMISSION ONLY

PLAN CHECK CORRECTIONS 9/06/2017



GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO CHECK ALL FEASIBLE ROUTING OF CONDUITS AND WIRES AT THE JOB SITE INCLUDING LOCATIONS OF ALL ADDITIONAL EQUIPMENT FOR A COMPLETE FUNCTIONAL CODE COMPLIANT ELECTRICAL SYSTEM.
2. COORDINATE ALL PRIMARY ELECTRICAL CONNECTION WITH THE SCE SERVICE PLANNER, MS. MARY NORIEGA @ (805) 494-7040.
3. CONTRACTOR SHALL VISIT SITE AND DETERMINE ALL CONDITIONS AFFECTING ELECTRICAL WORK AND INCLUDE COSTS THEREFORE IN THIS CONTRACT PRICE.
4. CONTACT UTILITY COMPANIES AND PROVIDE ALL SERVICES, WORK, INSTALLATION AND COORDINATION REQUIRED FOR THEIR USE.
5. CONDUITS STUBS SHALL BE TERMINATED IN ACCESSIBLE LOCATIONS, SECURELY CAPPED, AND LOCATED BY AN APPROVED VISIBLE MARKER.
6. INSTALL APPROVED GROUNDING BUSHING AT EACH TERMINATION OF RIGID CONDUIT.
7. PROVIDE A MINIMUM OF 12" SEPARATION BETWEEN POWER AND TELEPHONE CONDUITS, WHERE THEY ARE INSTALLED IN SAME TRENCH OR CROSS.
8. ALL WORK REQUIRED FOR THE UTILITY SERVICES SHALL CONFORM TO THE REQUIREMENTS AND STANDARDS OF THE SERVING UTILITY COMPANIES.
9. LOCATION AND ROUTING OF ALL EXPOSED EQUIPMENT, PIPING, DUCTWORK, AND CONDUIT SHALL BE APPROVED BY THE ARCHITECT PRIOR TO START OF ANY WORK.
10. ALL UNDERGROUND ELECTRICAL CONDUITS SHALL BE PVC SCH. 40 MINIMUM.
11. NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE LOCATED WITHIN 25' OF THE THE FLOOR OR TO THE STRUCTURE CEILING ABOVE THE SPACE OF ELECTRICAL EQUIPMENT.
12. ALL EXTERIOR CONDUITS SHALL BE INSTALLED AT LEAST 24" BELOW GRADE OR SHALL MEET THE REQUIREMENTS BASED ON CEC TABLE 300.5
13. CONDUIT RUNS ARE DIAGRAMMATIC ONLY. REFER TO DRY UTILITY DRAWINGS FOR THE EXACT CONDUIT ROUTING AND EQUIPMENT TERMINATION.
14. REFER TO 2016 CEC TABLE 300.5 FOR THE MINIMUM COVER REQUIREMENTS OF DIRECT BURIAL CABLE. PROVIDE 24" BURIAL DEPTH OF UNDERGROUND CABLES FOR CONDUITS AND CONDUCTORS AND PROVIDE ALL REQUIRED COVER MATERIALS FOR THE DIRECT BURIED CONDUCTOR AND THE TOP SURFACE OF FINISH GRADE, CONCRETE OR SIMILAR COVER.
15. OBTAIN SCE DRAWINGS FROM THE SERVICE PLANNER PRIOR TO ROUGH-IN CONSTRUCTION OF PRIMARY ELECTRICAL POWER.
16. ALL OUTDOOR EQUIPMENT SHALL BE RATED WEATHERPROOF.
17. ALL OUTDOOR RECEPTACLE OUTLET SHALL BE WEATHERPROOF, GFCI.
18. ALL POLE LIGHTING FIXTURE SHALL BE THROUGH ASTRONOMICAL TIMECLOCK. PROVIDE PHOTOCONTROL SENSOR AS REQUIRED.
19. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF LIGHTING FIXTURES.
20. FIXTURES TO BE VERIFIED WITH THE ARCHITECT AND OWNER PRIOR TO ORDERING.
21. REFER TO LIGHTING FIXTURE SCHEDULE FOR LIGHTING SPECIFICATIONS.
22. CONTACT "DIG ALERT" OF SOUTHERN CALIFORNIA 2-DAYS BEFORE YOU DIG AT TELEPHONE NO. 1-800-277-2600

REFERENCE NOTES

1. PROVIDE 24 HOURS, 365 DAYS ASTRONOMICAL TIMECLOCK AND RUN CIRCUITS THROUGH TIMECLOCK. PROVIDE PHOTOCONTROL SENSOR TO ALL POLE LIGHTS AS REQUIRED.
2. MAIN ELECTRICAL ROOM LOCATION.
3. PROVIDE 3/4"C., 3#10 CU + 1#10 CU GND.
4. PROVIDE 3/4"C., 3#8 CU THWN + 1#8 CU GND.
5. PROVIDE 1"C., 3#6 CU THWN + 1#6 CU GND.
6. PROVIDE HANDLE-TIE CIRCUIT BREAKER.

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA 90232
Tel: (310) 384-2594
Email: dennis@dsaelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

1	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DENNIS R. MOSS
E-18048
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
WC PARTIAL ENLARGED SITE ELECTRICAL PLAN

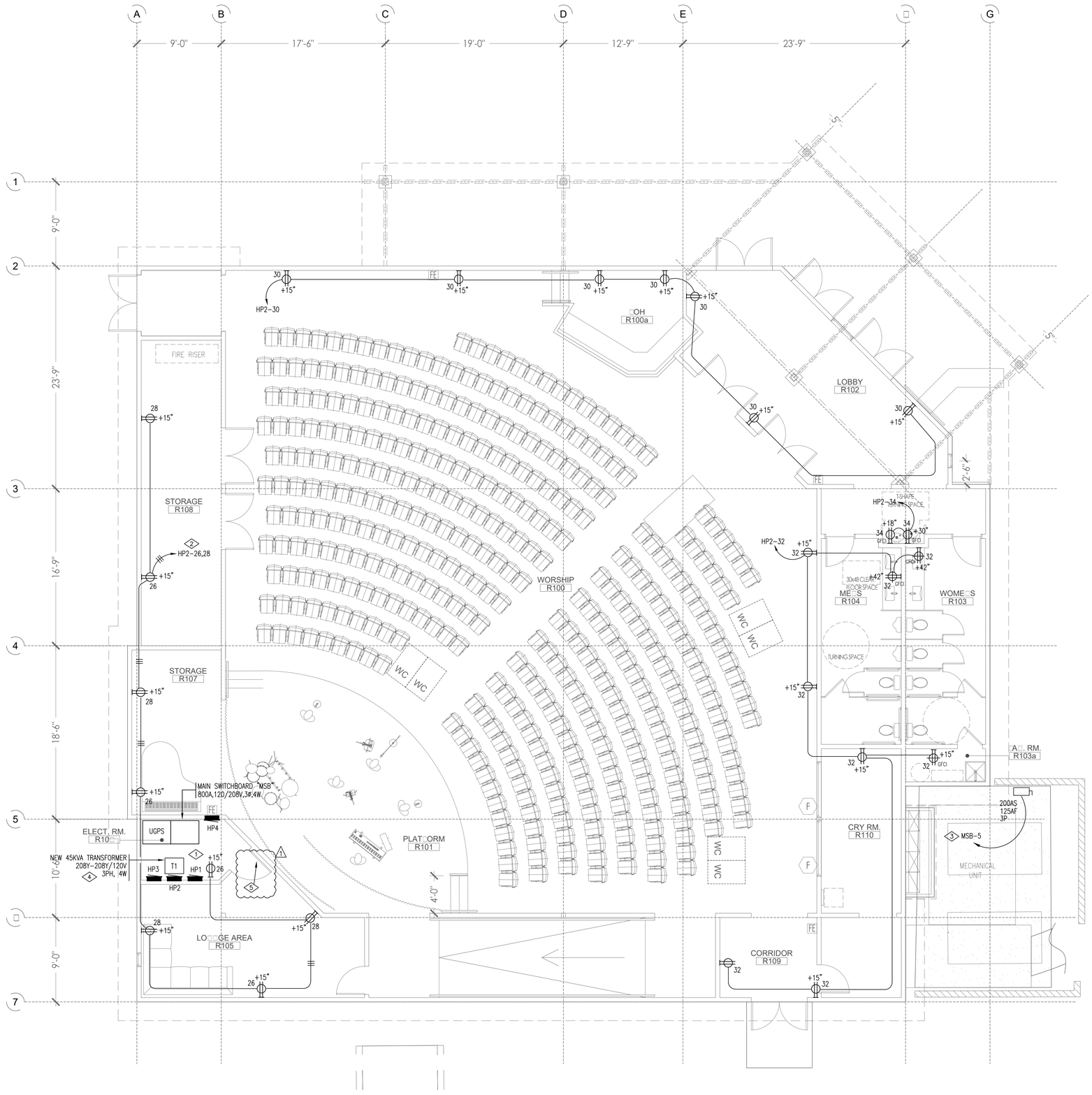
RP PROJECT NUMBER
16 - 299

SCALE
3/32"=1'-0"

DRAWING NUMBER
E4.0F

COPYRIGHT 2016 RISEPOINTE. ALL RIGHTS RESERVED. USE OF WRITTEN PERMISSION ONLY

Partial Enlarged Site Electrical Plan | 3/32" = 1' - 0" Scale | 1



GENERAL NOTES

1. ALL RECEPTACLE OUTLET SHALL BE NEW. RECEPTACLE OUTLET LOCATED AT THE CRY ROOM R110 SHALL BE TAMPER-RESISTANT.
2. REFER TO SHEET E5.2 FOR THE PANEL SCHEDULE.
3. ALL DEDICATED OUTLET SHALL HAVE SEPARATE CIRCUIT.
4. ALL ELECTRICAL OUTLETS LOCATED ABOVE COUNTERTOP WITHIN 6'-0" OF SINK AREA SHALL BE GFCI DUPLEX OUTLET. GFCI OUTLETS SHALL BE SELF-TEST, SELF-DIAGNOSTIC TYPE, HUBBELL AUTOGUARD SERIES OR EQUAL.
5. ELECTRICAL EQUIPMENT SHALL BE LISTED BY A CITY OF SIMI VALLEY RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY THE DEPARTMENT.
6. INSTALL SEPARATE CONDUITS WITH PULL STRINGS FOR TEL/DATA 6" ABOVE THE CEILING.
7. ALARM AND SECURITY EQUIPMENT SHALL BE PROVIDED BY THE TENANT. CONTRACTOR TO PROVIDE ALL CONDUIT RUNS, SUPPORT AND ASSOCIATED ELECTRICAL CONNECTION AS REQUIRED.
8. CONDUIT RUNS ARE DIAGRAMMATIC ONLY. ELECTRICAL CONTRACTOR TO VERIFY IN THE FIELD THE MOST FEASIBLE WAY OF ROUTING AND COMBINING HOMERUNS.
9. ALL RECEPTACLE OUTLET SHALL BE LABELLED WITH PANEL AND CIRCUIT NUMBER.
10. FIRE ALARM SYSTEM SHALL BE DESIGN-BUILD AND ON A SEPARATE PERMIT SET. COORDINATE WITH THE FIRE ALARM CONTRACTOR/DRAWINGS FOR DETAILED INFORMATION.
11. DUPLEX OUTLET ON PRIVATE OFFICES, OPEN OFFICE AREA, RECEPTION LOBBY, CONFERENCE ROOMS AND COPY ROOMS SHALL BE PROVIDED WITH CONTROLLED 120V RECEPTACLE OUTLET. CEC 130.5(d)(5). SPLIT-WIRE RELAY CONTROLLER SHALL BE WATTSTOPPER LMPL-101 FOR ALL DUPLEX ANND QUAD OUTLET.
12. TEL/DATA SPECIFIC REQUIREMENTS SHALL BE COORDINATED WITH THE LOW-VOLTAGE CONSULTANT.
13. PROVIDE ALL REQUIRED ISOLATED GROUND WIRES AS INDICATED IN THE DRAWINGS.
14. MULTI-POLE CIRCUIT BREAKERS. PROVIDE AND INSTALL APPROVED HANDLE-TIES THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS FOR THE MULTIWIRE BRANCH CIRCUITS AS PER CEC 210.4 (B).

REFERENCE NOTES

1. PROVIDE 36" CLEARANCE IN FRONT OF THE MAIN SWITCHGEAR & PANELBOARDS.
2. PROVIDE HANDLE-TIE CIRCUIT BREAKER PER CEC 210.4 (B).
3. PROVIDE 1-1/2"C., 3#1 CU + 1#6 EQUIPMENT GROUND.
4. 45 KVA TRANSFORMER SHALL BE MOUNTED 8'-0" A.F.F. PROVIDE ALL REQUIRED STRUCTURAL BRACING, SUPPORT AND HANGERS.
5. DOOR OPENING SHALL BE IN THE DIRECTION OF EGRESS AND SHALL BE PROVIDED WITH APPROVED PANIC BARS.

Worshi□ Center - General Rece□tacle Po□er Plan

3□1□" □1□ 0"
Scale

1

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 364-2594
Email: dennis@dsaelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

▷	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
WORSHIP CENTER - GENERAL POWER PLAN

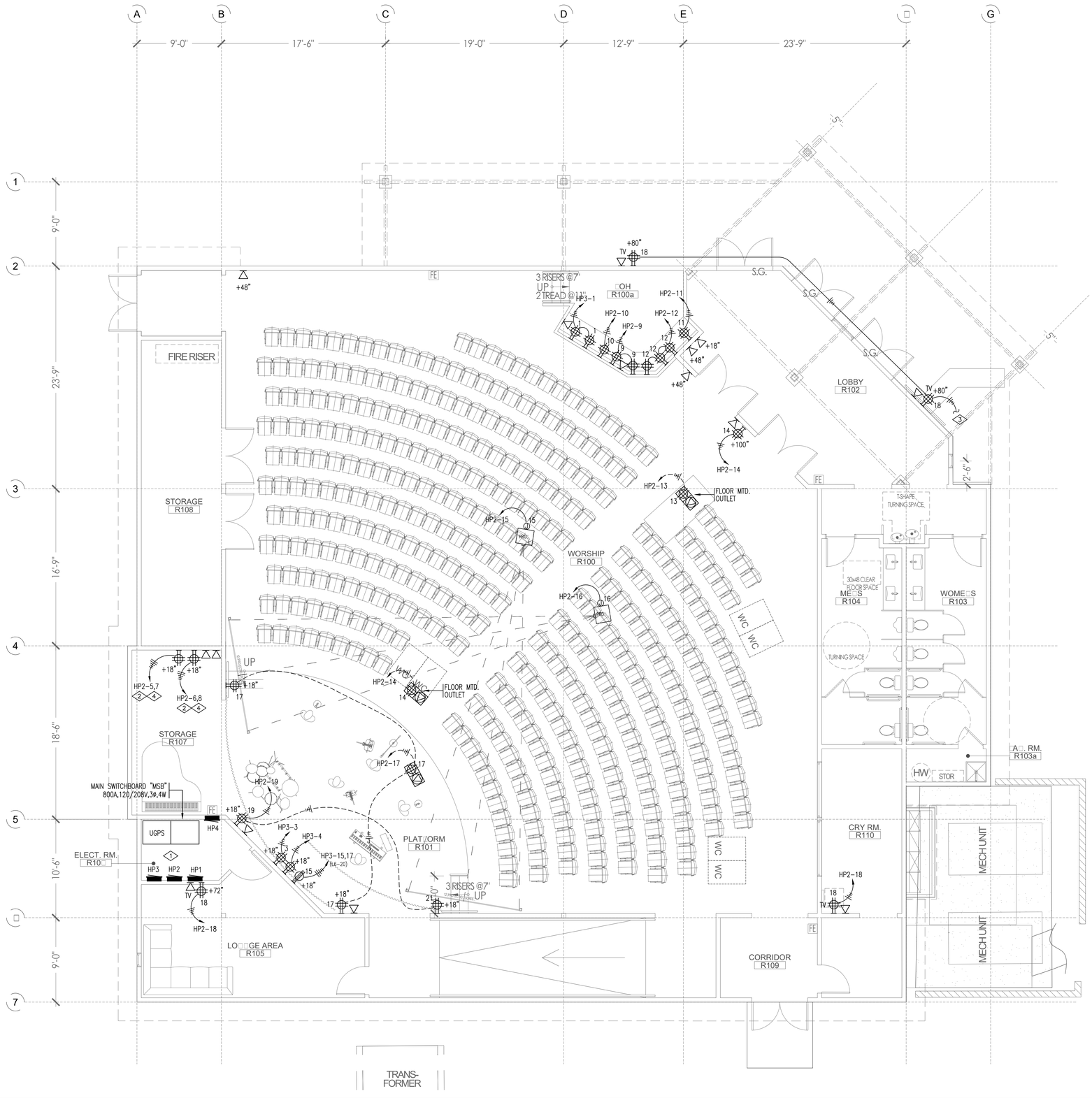
RP PROJECT NUMBER
16 - 299

SCALE
3/16"=1'-0"

DRAWING NUMBER
E4.1

COPYRIGHT 2012/RISEPOINTE. ALL RIGHTS RESERVED. USE OF WRITTEN PERMISSION ONLY

PLAN CHECK CORRECTIONS 9/06/2017



GENERAL NOTES

1. ALL RECEPTACLE OUTLET SHALL BE NEW. RECEPTACLE OUTLET LOCATED AT THE CRY ROOM R110 SHALL BE TAMPER-RESISTANT.
2. REFER TO SHEET E5.2 FOR THE PANEL SCHEDULE.
3. ALL DEDICATED OUTLET SHALL HAVE SEPARATE CIRCUIT.
4. ALL ELECTRICAL OUTLETS LOCATED ABOVE COUNTERTOP WITHIN 6'-0" OF SINK AREA SHALL BE GFCI DUPLEX OUTLET. GFCI OUTLETS SHALL BE SELF-TEST, SELF-DIAGNOSTIC TYPE, HUBBELL AUTOGUARD SERIES OR EQUAL.
5. ELECTRICAL EQUIPMENT SHALL BE LISTED BY A CITY OF SIMI VALLEY RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY THE DEPARTMENT.
6. INSTALL SEPARATE CONDUITS WITH PULL STRINGS FOR TEL/DATA 6" ABOVE THE CEILING.
7. ALARM AND SECURITY EQUIPMENT SHALL BE PROVIDED BY THE TENANT. CONTRACTOR TO PROVIDE ALL CONDUIT RUNS, SUPPORT AND ASSOCIATED ELECTRICAL CONNECTION AS REQUIRED.
8. CONDUIT RUNS ARE DIAGRAMMATIC ONLY. ELECTRICAL CONTRACTOR TO VERIFY IN THE FIELD THE MOST FEASIBLE WAY OF ROUTING AND COMBINING HOMERUNS.
9. ALL RECEPTACLE OUTLET SHALL BE LABELLED WITH PANEL AND CIRCUIT NUMBER.
10. FIRE ALARM SYSTEM SHALL BE DESIGN-BUILD AND ON A SEPARATE PERMIT SET. COORDINATE WITH THE FIRE ALARM CONTRACTOR/DRAWINGS FOR DETAILED INFORMATION.
11. TEL/DATA SPECIFIC REQUIREMENTS SHALL BE COORDINATED WITH THE LOW-VOLTAGE CONSULTANT AND/OR AV CONSULTANT.
12. PROVIDE ALL REQUIRED ISOLATED GROUND WIRES AS INDICATED IN THE DRAWINGS.
13. MULTI-POLE CIRCUIT BREAKERS. PROVIDE AND INSTALL APPROVED HANDLE-TIES THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS FOR THE MULTIWIRE BRANCH CIRCUITS AS PER CEC 210.4 (B).
14. REFER TO AV CONSULTANT DRAWINGS, SHEET AV-1.0 THRU AV-9.1 FOR THE EXACT AUDIO-VIDEO REQUIREMENTS. AV PLAN PRECEDE OVER ELECTRICAL PLAN RELATED TO AV SYSTEMS AND ITS COMPONENTS. ELECTRICAL PLAN TO PROVIDE EXACT POWER REQUIREMENTS AND ITS CIRCUIT DESIGNATION.
15. PROVIDE ALL REQUIRED ISOLATED GROUNDING TO ALL AV EQUIPMENT.

REFERENCE NOTES

1. PROVIDE 36" CLEARANCE IN FRONT OF THE MAIN SWITCHGEAR & PANELBOARDS.
2. PROVIDE HANDLE-TIE CIRCUIT BREAKER PER CEC 210.4 (B).
3. INTERCEPT, TIE AND PROVIDE CONNECTION TO CIRCUIT "HP2-18".
4. STACK CIRCUITS BEHIND RACKS. COORDINATE LOCATION WITH AV DESIGN PLAN ON SHEET AV-5.1

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

▷	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DERMO SCOTT
E-18048
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
WORSHIP CENTER - AV POWER PLAN

RP PROJECT NUMBER
16 - 299

SCALE
3/16"=1'-0"

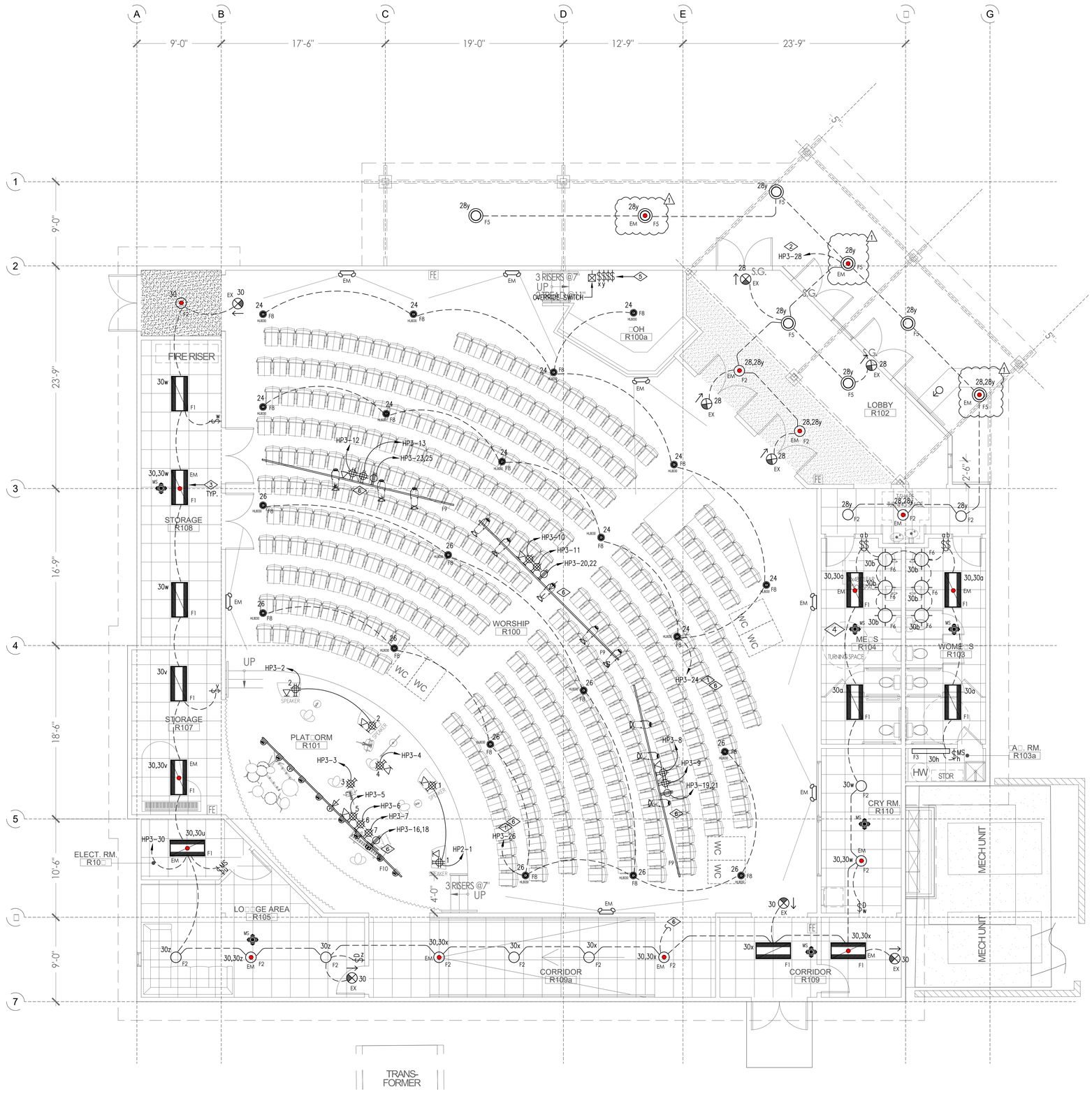
DRAWING NUMBER
E4.1A

COPYRIGHT 2016 RISEPOINTE. ALL RIGHTS RESERVED. USE OF WRITTEN PERMISSION ONLY

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaelectric.net

Worshi□ Center - AV Po□er Plan | 3:1□" □1□- 0" Scale | 1

PLAN CHECK CORRECTIONS 9/06/2017



GENERAL NOTES

1. ALL LIGHTING CIRCUITS SHALL BE CONTROLLED BY PROGRAMMABLE TIMECLOCK. LIGHTING LOCATED AT THE ENCLOSED SPACE WITH PARTITION SHALL BE CONTROLLED SEPARATELY BY COMBINATION OF OCCUPANCY SENSOR AND MANUAL DIMMING SWITCH.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF LIGHTING FIXTURES.
3. FIXTURES TO BE VERIFIED WITH THE ARCHITECT, ENGINEER ON RECORD AND OWNER REP. PRIOR TO ORDERING.
4. COORDINATE AND VERIFY EXACT SWITCH LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-IN INSTALLATION.
5. REFER TO LIGHTING FIXTURE SCHEDULE FOR LIGHTING SPECIFICATIONS.
6. LOWER CASE LETTER INDICATES THE SWITCHING DESIGNATION.
7. LIGHT SWITCHES TO BE MOUNTED @ +48" AFF., U.O.N.
8. ALL LIGHTING FIXTURES SHOWN ON PLAN ARE NEW UNLESS OTHERWISE NOTED.
9. ALL EMERGENCY LIGHTING FIXTURES SHALL BE PROVIDED WITH EMERGENCY BATTERY PACK MINIMUM OF 90-MINUTES.
10. PROVIDE MANUAL DIMMING SWITCH AS INDICATED ON THIS PLAN.
11. CONDUIT RUNS ARE DIAGRAMMATIC ONLY. ELECTRICAL CONTRACTOR SHALL VERIFY IN THE FIELD THE MOST FEASIBLE WAY OF ROUTING AND COMBINING HOMERUNS.
12. ALL LIGHTING PRODUCTS SHALL BE UL LISTED AND SUITABLE FOR THE APPLICATION.
13. ALL EXPOSE CONDUIT SHALL BE EMT (ELECTRIC METALLIC TUBING) TYPE OF CONDUIT. NO EXCEPTION.
14. OBSERVE CLEAN ELECTRICAL INSTALLATION ALL THROUGHOUT THE SPACE.
15. RESTROOMS, JANITOR ROOM, ELECTRICAL ROOM, HALLWAY R109 AND STORAGE R108 LIGHTING FIXTURES SHALL BE CONTROLLED BY OCCUPANCY SENSORS.
16. LIGHTING FIXTURES LOCATED AT LOUNGE AREA R105 AND CRY ROOM R110 SHALL BE CONTROLLED BY SINGLE GANG COMBINATION OF WALL MOUNTED SENSOR AND DIMMER SWITCH.
17. REFER TO AV CONSULTANT DRAWINGS, SHEET AV-1.0 THRU AV-9.1 FOR THE EXACT AUDIO-VIDEO REQUIREMENTS. AV PLAN PRECEDE OVER ELECTRICAL PLAN RELATED TO AV SYSTEMS AND ITS COMPONENTS. ELECTRICAL PLAN TO PROVIDE EXACT POWER REQUIREMENTS AND ITS CIRCUIT DESIGNATION.
18. PROVIDE ALL REQUIRED ISOLATED GROUNDING TO ALL AV EQUIPMENT.

REFERENCE NOTES

1. RUN CIRCUIT THROUGH PROGRAMMABLE LIGHTING CONTROL PANEL "LCP".
2. PROVIDE PHOTOSENSOR CONTROL AND/OR ASTRONOMICAL TIMECLOCK CONNECTION FOR LIGHTING CIRCUIT "HP3-28".
3. EMERGENCY LIGHTING FIXTURE. PROVIDE 90-MINUTES EMERGENCY BATTERY PACK.
4. PROVIDE CEILING MOUNTED OCCUPANCY SENSOR.
5. PROPOSED LOCATION OF SWITCH BANK.
6. OVERRIDE CONTROL FOR CORRIDOR R109 & R109a SHALL BE LOCATED AT CONTROL AREA FOH, ROOM R100a WITH SUBSCRIPT "x".
6. FIXTURE TYPE F8, F9 AND F10 SHALL BE SEPARATELY CONTROLLED BY DMX SYSTEM.

Worshi Center - Lighting Plan | 3 1 " 1 0" Scale | 1

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 364-2594
Email: dennis@dsaelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

▷	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DERMO RASCON
E-18048
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
WORSHIP CENTER - AV POWER PLAN

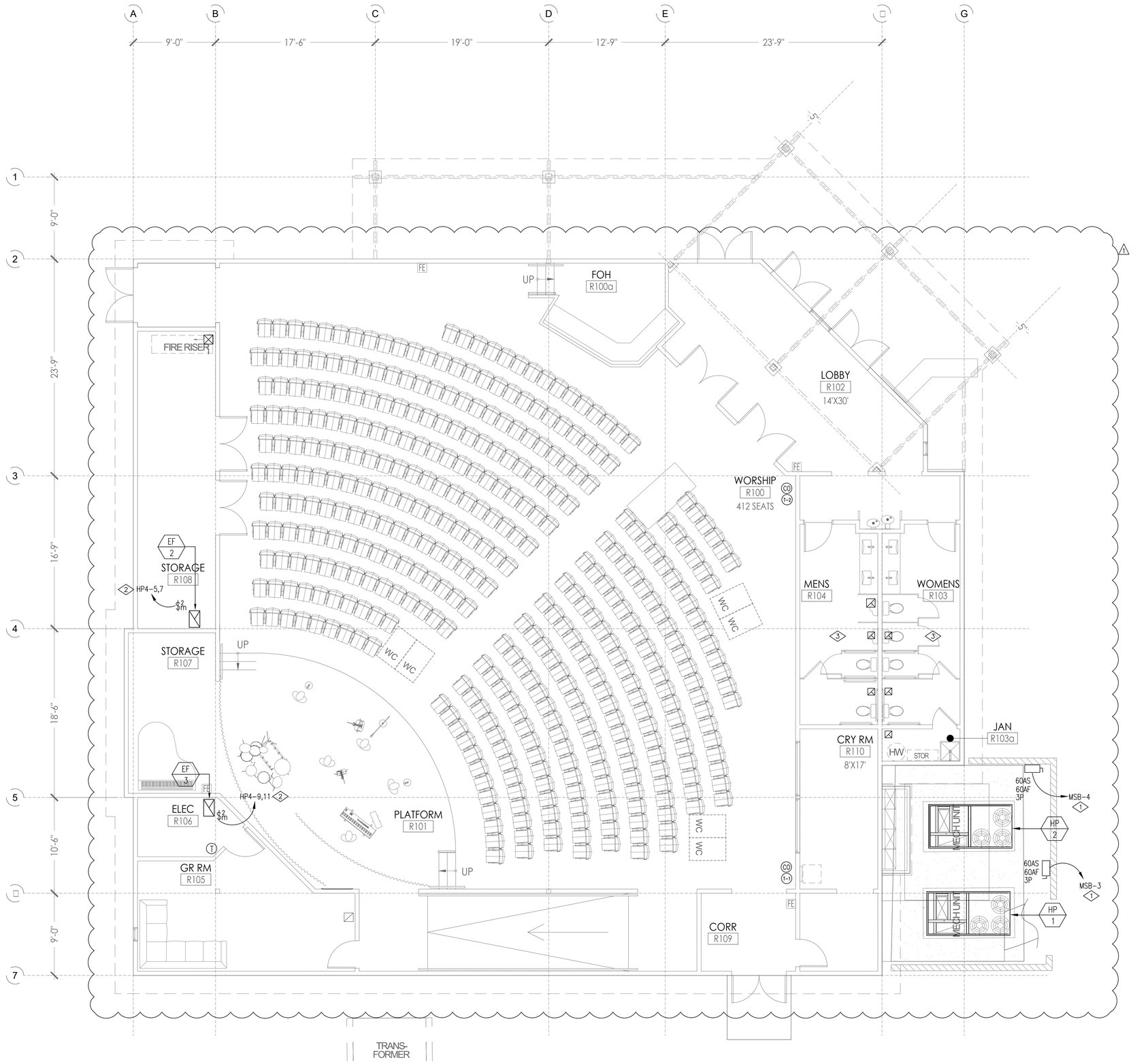
RP PROJECT NUMBER
16 - 299

SCALE
3/16"=1'-0"

DRAWING NUMBER
E4.2

COPYRIGHT 2015 RISEPOINTE ALL RIGHTS RESERVED. USE OF THIS PRODUCT ONLY

PLAN CHECK CORRECTIONS 9/06/2017



GENERAL NOTES

1. REFER TO MECHANICAL DRAWINGS FOR THE EXACT LOCATIONS AND DETAILS OF HVAC EQUIPMENT AND CONTROLS.
2. VERIFY WITH THE PLUMBING DRAWINGS FOR THE EXACT LOCATION OF PLUMBING EQUIPMENT.
3. LOCATION AND ROUTING OF ALL EXPOSED EQUIPMENT, PIPING, DUCTWORK, AND CONDUIT SHALL BE APPROVED BY THE ARCHITECT PRIOR TO START OF ANY WORK.
4. COORDINATE WITH FIRE ALARM CONTRACTOR FOR THE FIRE ALARM DRAWINGS. FIRE ALARM SHALL BE DESIGN BUILD ON A SEPARATE PERMIT.
5. ALL FEEDER WIRES SHALL BE COPPER (CU), UNLESS NOTED OTHERWISE.
6. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE WEATHERPROOF, NEMA-3R OR BETTER.
7. PROVIDE 3'-0" CLEARANCE IN FRONT OF ALL DISCONNECT SWITCHES.
8. CONDUIT RUNS ARE DIAGRAMMATIC ONLY. ELECTRICAL CONTRACTOR SHALL VERIFY FEASIBLE CONDUIT ROUTING.
9. OBSERVE CLEAN ELECTRICAL INSTALLATION ALL THROUGHOUT THE SPACE.

REFERENCE NOTES

1. PROVIDE 1-1/4"C., 3#4 CU + 1#4 EQUIPMENT GROUND.
2. PROVIDE 3/4"C., 2#10 CU + 1#10 EQUIPMENT GROUND
3. REFER TO SHEET E-4.4 ROOF PLAN FOR THE EXHAUST FAN LOCATION DEDICATED FOR THE RESTROOM AREA.

EQUIPMENT SCHEDULE

HP 1 — HEAT PUMP UNIT-1, HP-1
208V, 3-PH, 5000 CFM
MODEL #: CARRIER 50TCQD14

HP 2 — HEAT PUMP UNIT-1, HP-2
208V, 3-PH, 5000 CFM
MODEL #: CARRIER 50TCQD14

EF 2 — EXHAUST FAN, EF-2
1/4HP, 208V, 1PH, 200 CFM
MODEL #: LOREN COOK, GEMINI GN520

EF 3 — EXHAUST FAN, EF-3
1/4HP, 208V, 1PH, 400 CFM
MODEL #: LOREN COOK, GEMINI GN620

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 364-2594
Email: dennis@dsaelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

1	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

DENNIS STEREO PROFESSIONAL ENGINEER
E-18048
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
WORSHIP CENTER - HVAC POWER PLAN

RP PROJECT NUMBER
16 - 299

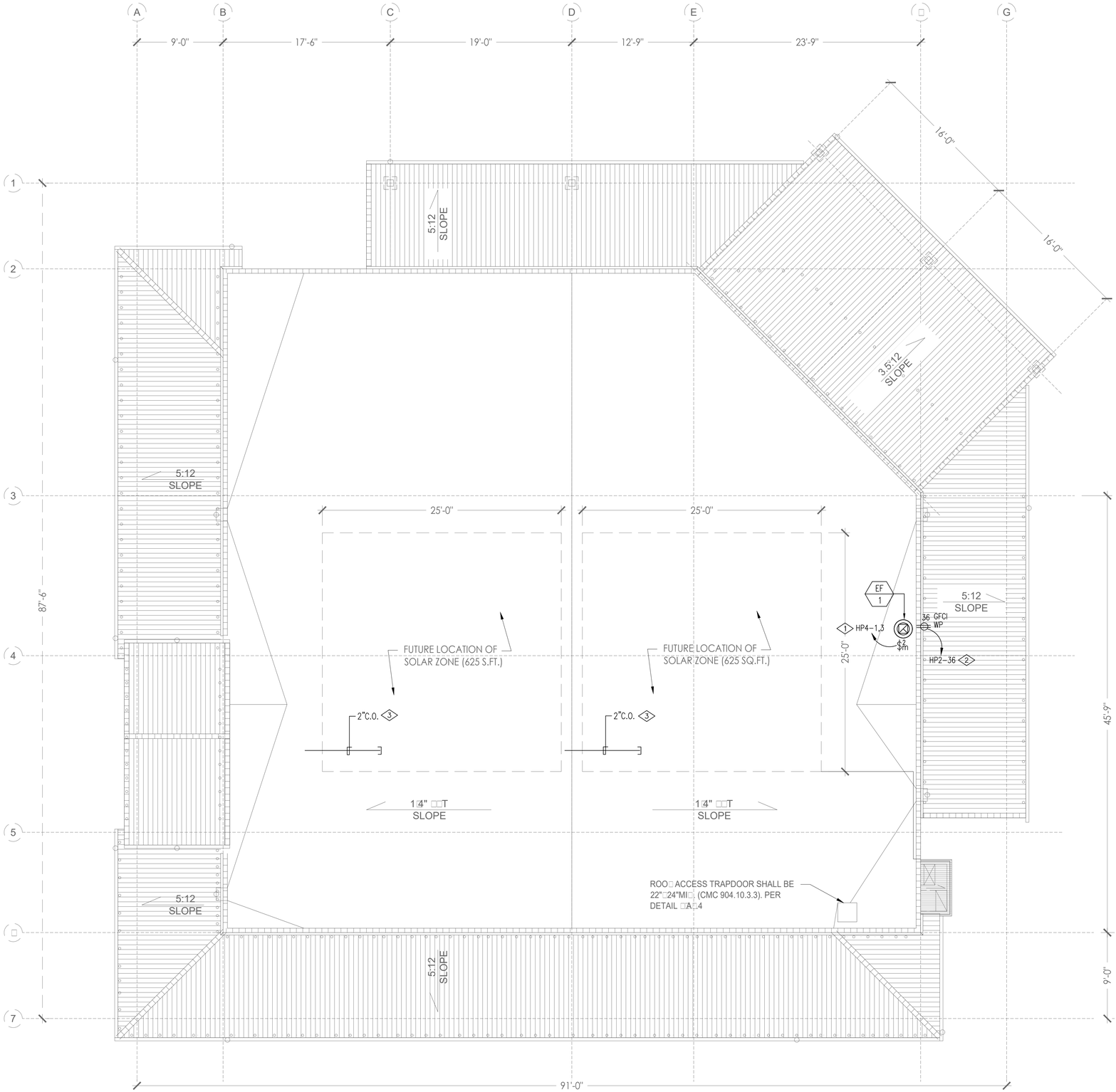
SCALE
3/16"=1'-0"

DRAWING NUMBER
E4.3

COPYRIGHT 2015 RISEPOINTE, ALL RIGHTS RESERVED. USE OF WRITTEN PERMISSION ONLY

Worshi□ Center - HVAC Po□er Plan | 3□1□" □1□ 0" Scale | 1

PLAN CHECK CORRECTIONS 9/06/2017



GENERAL NOTES

1. REFER TO MECHANICAL DRAWINGS FOR THE EXACT LOCATIONS AND DETAILS OF HVAC EQUIPMENT AND CONTROLS.
2. VERIFY WITH THE PLUMBING DRAWINGS FOR THE EXACT LOCATION OF PLUMBING EQUIPMENT.
3. LOCATION AND ROUTING OF ALL EXPOSED EQUIPMENT, PIPING, DUCTWORK, AND CONDUIT SHALL BE APPROVED BY THE ARCHITECT PRIOR TO START OF ANY WORK.
4. COORDINATE WITH FIRE ALARM CONTRACTOR FOR THE FIRE ALARM DRAWINGS. FIRE ALARM SHALL BE DESIGN BUILD ON A SEPARATE PERMIT.
5. ALL FEEDER WIRES SHALL BE COPPER (CU), UNLESS NOTED OTHERWISE.
6. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE WEATHERPROOF, NEMA-3R OR BETTER.
7. PROVIDE 3'-0" CLEARANCE IN FRONT OF ALL DISCONNECT SWITCHES.
8. CONDUIT RUNS ARE DIAGRAMMATIC ONLY. ELECTRICAL CONTRACTOR SHALL VERIFY FEASIBLE CONDUIT ROUTING.
9. OBSERVE CLEAN ELECTRICAL INSTALLATION ALL THROUGHOUT THE SPACE.

REFERENCE NOTES

1. PROVIDE 3/4"C., 2#10 CU + 1#10 EQUIPMENT GROUND
2. PROVIDE WEATHERPROOF, GFCI RECEPTACLE OUTLET.
3. PROVIDE 2"C.O. FOR FUTURE SOLAR PANEL UP TO MAIN ELECTRICAL ROOM.

EQUIPMENT SCHEDULE

EF 1	EXHAUST FAN, EF-1 1/4HP, 208V, 1PH, 900 CFM MODEL #: COOK, 100 ACEB

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

1	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DERMO A. CASTRO
E-18048
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
WORSHIP CENTER
- ROOF ELECTRICAL PLAN

RP PROJECT NUMBER
16 - 299

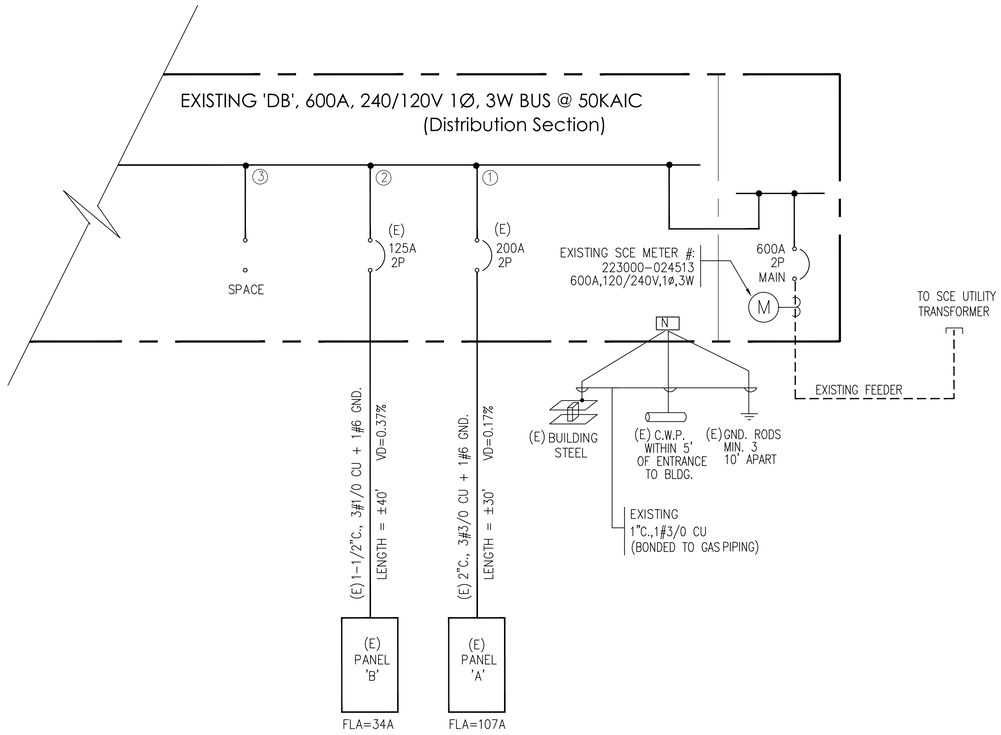
SCALE
3/16"=1'-0"

DRAWING NUMBER
E4.4

COPYRIGHT 2014 RISEPOINTE. ALL RIGHTS RESERVED. USE BY WRITTEN PERMISSION ONLY.

Worshi□ Center - Roo□ Electrical Plan | 3:1□" □1□- 0" Scale | 1

PLAN CHECK CORRECTIONS 9/06/2017



Single Line Diagram General Notes:

1. ALL EQUIPMENT BUSSING AND GROUNDING ELECTRODE SHALL BE COPPER AND ALL WIRES SHALL BE COPPER, THWN/THHN.

Existing Panelboard

VOLTAGE 120/240V, 1ø, 3W
LOCATION FIRST FLOOR
AIC RATING 10 KAIC

PANEL "A"

MOUNTING RECESSED
MAIN C.B. M.L.O.
BUS SIZE 225A

NOTE	DESCRIPTION	OUTLETS LTS	OUTLETS REC	OUTLETS OTHERS	WATTAGE øA	WATTAGE øB	BKR	POLE	CIRC. NO		CIRC. NO	BKR	POLE	WATTAGE øA	WATTAGE øB	OUTLETS LTS	OUTLETS REC	OUTLETS OTHERS	DESCRIPTION	NOTE
	(E) RM 100,102, LOBBY LTG.	12			272		20	1	1		2	20	1	608		11			(E) RM 102-104,110-111 LTG	
	(E) STAIR LIGHTING					500	20	1	3		4	20	1		265	11			(N) RM. 101, HALLWAY LTG.	
	(N) RM 108-109, LIGHTING	8			384		20	1	5		6	20	1	620					(E) EXTERIOR FACADE LTG	
	(N) RM 105, PRE-K LTG.	8				384	20	1	7		8	20	1		900		5		(E) RM 108,109 REC. OUTLET	
	(E) RM 102-104, OUTLET		4		720		20	1	9		10	20	1	720			4		(E) RM 105 REC. OUTLET	
	(E) RM 102-104, OUTLET		4			720	20	1	11		12	20	1		540		3		(N) RM 114 COMPUTER USE	1
1	(N) RM. R100, TV OUTLET		2		720		20	1	13		14	20	1	540			3		(N) RM 114 GENERAL USE	
	(N) RM. 108-109, TV OUTLET		2			720	20	1	15		16	20	1		1080		6		(N) RM 112-113 GEN. USE	
1	(N) RM. R114 TV's		3		1080		20	1	17		18	20	1	500					(E) TEL. BACKBOARD	
	(N) RM. R114 CLOSET		1			500	20	1	19		20	20	1		500				(E) LANDSCAPE LTG.	
	(N) RM 113, VOLUNTEER LTG.	7			229		20	1	21		22	30		2000					(E) FC-UNIT, FC-1	
	(N) RM 114, OFFICE LTG.	10				480	20	1	23		24		2		2000				WITH CIRCUIT #22	
	(N) RM 100, GEN. USE		2		360		20	1	25		26	20	1	1200				JBOX	(N) FUTURE SIGNAGE	
	(N) RM 100, SELF-CHECK-IN		2			360	20	1	27		28	20	1		360		1		(N) OUTDOOR OUTLET	2
	(N) ELEVATOR PIT	1	1		216		20	1	29		30	20	1	–					SPARE	
	(E) AC UNIT, AC-1					3000	40		31		32	20	1		–				SPARE	
	WITH CIRCUIT #31				3000			2	33		34	20	1	1000			1		(N) NETWORK OUTLET-1	
	(N) RM. 102-104, TV's		4			1440	20	1	35		36	20	1		1000		1		(N) NETWORK OUTLET-2	
	SPACE				.		–	–	37		38	20	1	1000			1		(N) NETWORK OUTLET-3	
	SPACE					.	–	–	39		40	–	–		.				SPACE	
	SPACE				.		–	–	41		42	–	–	.					SPACE	
	TOTAL THIS SIDE				4605	5084								7168	6285				TOTAL THIS SIDE	
	TOTAL BOTH SIDES				11773	11369	TOTAL CONNECTED LOAD							23,142	VA					

DEMAND LOAD CALCULATIONS

	CONNECTED LOAD		FACTOR		MAXIMUM DEMAND LOAD
LIGHTING LOAD	4,242 VA	X	125%	=	5,303 VA
FIRST 10KVA RECEPTACLE LOAD LOAD	8,400 VA	X	100%	=	8,400 VA
REMAINDER OF 10KVA LOAD	0 VA	X	50%	=	0 VA
HVAC LOAD	10,000 VA	X	100%	=	10,000 VA
+ 25% OF LARGEST MOTOR LOAD	6,000 VA	X	25%	=	1500 VA
OTHER LOAD	500 VA	X	100%	=	500 VA
TOTAL: (Sum of Max. Demand Load)					25,703 VA
Full Load Amps: (Total/(240Vx1.0)					107 AMPS

NOTES: (1) MULTI-WIRE BRANCH CIRCUIT. PROVIDE SIMULTENOUS DISCONNECT, HANDLE TIE CB. (2) WEATHERPROOF, GFCI OUTLET

Existing Panelboard

VOLTAGE 120/240V, 1ø, 3W
LOCATION 2ND FLOOR
AIC RATING 10 KAIC

PANEL "B"

MOUNTING RECESSED
MAIN C.B. M.L.O.
BUS SIZE 125A

NOTE	DESCRIPTION	OUTLETS LTS	OUTLETS REC	OUTLETS OTHERS	WATTAGE øA	WATTAGE øB	BKR	POLE	CIRC. NO		CIRC. NO	BKR	POLE	WATTAGE øA	WATTAGE øB	OUTLETS LTS	OUTLETS REC	OUTLETS OTHERS	DESCRIPTION	NOTE
	(E) RM 203-206,208 LTG.				372		20	1	1		2	20	1	156					(E) RM 217, LTG. LOAD	
	(E) RM 213-215, LTG. LOAD					721	20	1	3		4	20	1		156				(E) RM 208, LTG. LOAD	
	(E) RM 209-210, LTG LOAD				480		20	1	5		6	20	1	100					(E) EXIT SIGN	
	(E) RM 211-212, LTG LOAD					672	20	1	7		8	20	1		360		2		(N) RM 219, GENERAL USE	
	(E) RM 213-215, REC. OUTLET				720		20	1	9		10	20	1	–					SPARE	
	(E) RM 213-215, COMP. USE					900	20	1	11		12	20	1		–				SPARE	
	(E) RM 208-210, GEN. USE				720		20	1	13		14	20	1	540					(E) RM 210-212, GEN. USE	
	(E) RM 208-210, COMP. USE					540	20	1	15		16	20	1		720				(E) RM 210-212, COMP. USE.	
	SPACE				.		–	–	17		18	20	1	720			4		(N) RM 218, REC. OUTLET	
	SPACE					.	–	–	19		20	–	–		.				SPACE	
	TOTAL THIS SIDE				2292	2833								1516	876				TOTAL THIS SIDE	
	TOTAL BOTH SIDES				3808	3709	TOTAL CONNECTED LOAD							7,517	VA					

DEMAND LOAD CALCULATIONS

	CONNECTED LOAD		FACTOR		MAXIMUM DEMAND LOAD
LIGHTING LOAD	2,657 VA	X	125%	=	3,321 VA
FIRST 10KVA RECEPTACLE LOAD LOAD	4,860 VA	X	100%	=	4,860 VA
REMAINDER OF 10KVA LOAD	0 VA	X	50%	=	0 VA
TOTAL: (Sum of Max. Demand Load)					8,181 VA
Full Load Amps: (Total/(240Vx1.0)					34 AMPS

NOTES: (1) MULTI-WIRE BRANCH CIRCUIT. PROVIDE SIMULTENOUS DISCONNECT, HANDLE TIE CB.

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaaelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

▷	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DENNIS M. CASSIDY
E-18046
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
FLC - EXISTING SINGLE LINE DIAGRAM & PANEL SCHEDULE

RP PROJECT NUMBER
16 - 299

SCALE
NO SCALE

DRAWING NUMBER
E5.0

COPYRIGHT 2016 RISEPOINTE. ALL RIGHTS RESERVED. USE BY WRITTEN PERMISSION ONLY

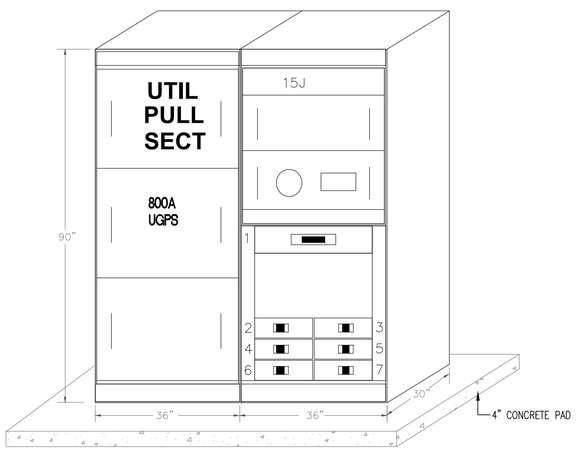
Single Line Diagram General Notes:

1. AVAILABLE FAULT CURRENT (Isc) FROM SCE IS: ---- AIC
   AFC= xx,000 + MOTOR CONTRIBUTION = xx,000A + 6 X xxxA = XX,XXX A
2. MAIN SWITCHBOARD CIRCUIT BREAKERS SHALL BE SERIES RATED AT 65 KAIC.
3. ALL METERING SECTIONS SHALL BE CUTLER HAMMER POW-R-LINE SERIES METERING.
4. ALL EQUIPMENT BUSSING AND GROUNDING ELECTRODE SHALL BE COPPER AND ALL WIRES SHALL BE COPPER, THWN/THHN UNLESS NOTED OTHERWISE.
5. ALL 200A CIRCUIT BREAKERS SHALL BE TYPE "ED". ALL 100A CB SHALL BE CUTLER-HAMMER TYPE "FD".
6. ALL SERVICES SUPPLYING THE BUILDING SHALL HAVE AND CONNECTED TO THE SAME GROUNDING ELECTRODE SYSTEM.
7. THE MAIN SWITCHBOARD, DISTRIBUTION BOARDS AND PANEL BOARDS SHALL BE BY ONE MANUFACTURER WITH DOCUMENTED SERIES RATING DEVICES.
8. ALL CIRCUIT BREAKERS SHALL BE LABELED TO CLEARLY INDICATE AREA BEING SERVED. THE MAIN ELECTRICAL SHUT-OFF SHALL BE IDENTIFIED BY THE FACILITY ADDRESS.
9. ALL ELECTRICAL EQUIPMENT SHALL BE FULLY RATED OR SERIES RATED FOR THE AVAILABLE FAULT CURRENT.
10. ALL FUSES SHALL BE PROVIDED WITH REJECTION TYPE FUSE HOLDER.
11. PROVIDE CAUTIONARY LABEL FOR ALL SERIES RATED DEVICES STATING "CAUTION - SERIES RATED SYSTEM WITH 65,000 A AVAILABLE. IDENTIFIED REPLACEMENT COMPONENT REQUIRED".
12. ELECTRICAL EQUIPMENT SHALL BE LISTED BY THE CITY OF SIMI VALLEY RECOGNIZED ELECTRICAL TESTING LABORATORY OR APPROVED BY THE DEPARTMENT.
13. THE MAIN SERVICE SHALL BE TESTED BY A THIRD PARTY NRTL TESTING LABORATORY AND SHALL BE CERTIFIED FOR SERVICE GROUND FAULT PROTECTION. THE MAIN SERVICE SHALL NOT BE ENERGIZED PRIOR TO BUILDING INSPECTORS' RECEIPT OF THE THIRD PARTY TESTING REPORT.
14. ALL ELECTRICAL SERVICES AND REQUIREMENTS ARE SUBJECT TO THE APPROVAL BY THE UTILITY COMPANY AND THE DEPARTMENT OF BUILDING AND SAFETY. VERIFY EXACT REQUIREMENTS PRIOR TO ROUGH-INS.

Single Line Diagram Reference Notes:

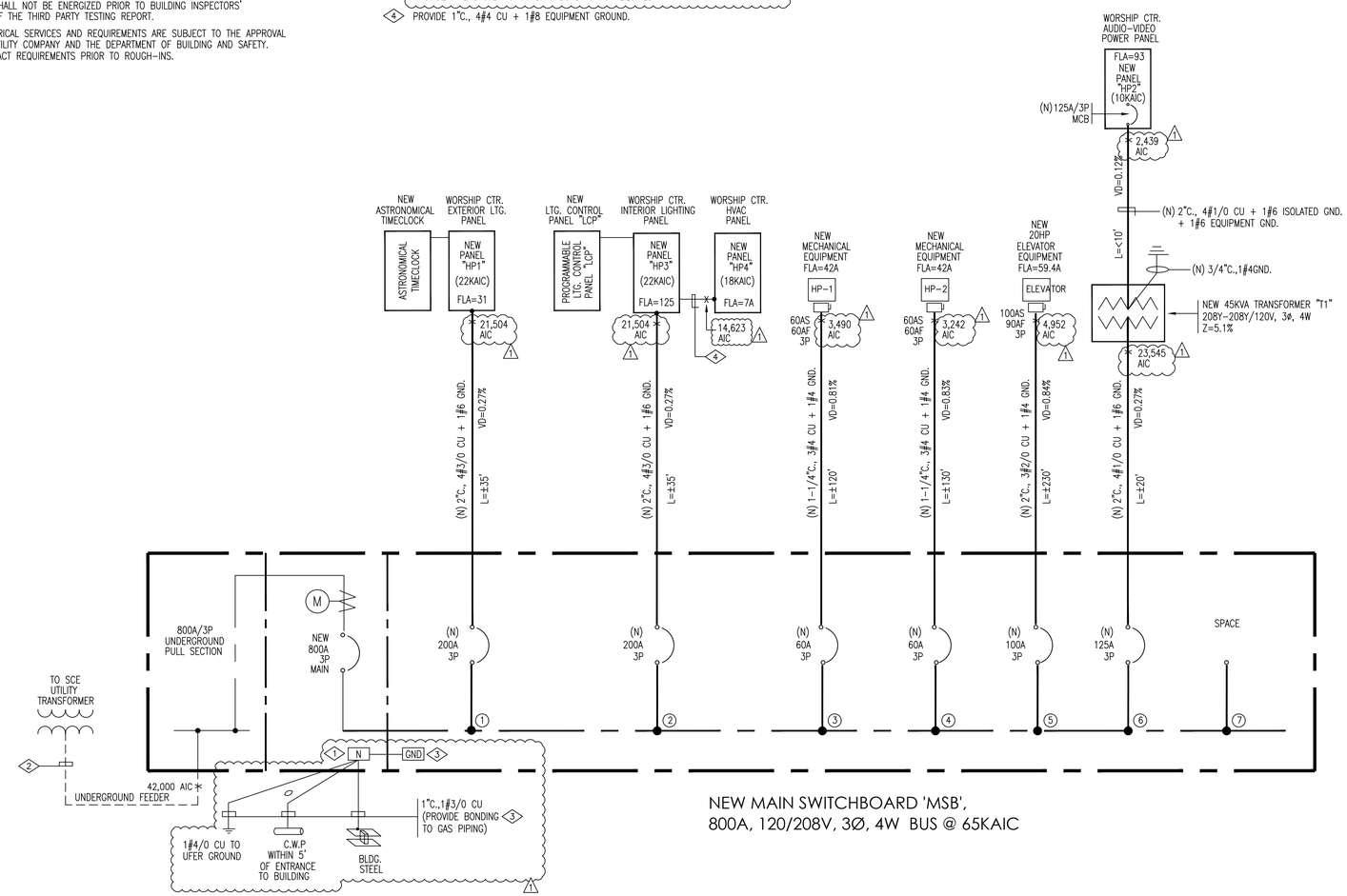
1. ALL SERVICES SUPPLYING THE BUILDING SHALL HAVE AND SHALL BE CONNECTED TO THE SAME GROUNDING ELECTRODE SYSTEM.
2. UNDERGROUND CONDUIT SHALL BE MINIMUM OF PVC SCHEDULE 40. REFER TO 2016 CEC TABLE 300.5 FOR THE MINIMUM COVER REQUIREMENTS OF DIRECT BURIAL CABLE.
3. BOND THE GROUND TO MAIN WATER PIPE WITHIN FIVE FEET (5') OF BUILDING ENTRANCE. PROVIDE INTERSYSTEM GROUNDING BONDING AS REQUIRED.
4. PROVIDE 1"C., 4#4 CU + 1#8 EQUIPMENT GROUND.

MAIN SWITCHBOARD "MSB" LOAD CALCULATIONS			
#	DESCRIPTION	VA	AMPS
1	PANEL "HP1"	11,000	30.6 A
2	PANEL "HP3"	44,926	124.8 A
3	HEAT PUMP 1 (10-TON)	15,120	42.0 A
4	HEAT PUMP 2 (10-TON)	15,120	42.0 A
5	TRACTION ELEVATOR (20-HP)	21,384	59.4 A
6	PANEL "HP2"	33,271	92.4 A
7	SPACE		
	TOTAL LOAD	140,821	391.2
	SERVICE LOAD @120/208V, 3-PH, 4W		800 A



MAIN SWITCHBOARD ELEVATION DETAIL

SCALE: NONE



NEW MAIN SWITCHBOARD 'MSB',
800A, 120/208V, 3Ø, 4W BUS @ 65KAIC

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 364-2594
Email: dennis@dsaelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

▷	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DENNIS R. MOORE
E-18048
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
WORSHIP CENTER - NEW SINGLE LINE DIAGRAM

RP PROJECT NUMBER
16 - 299

SCALE
NO SCALE

DRAWING NUMBER
E5.1

COPYRIGHT 2014 RISEPOINTE ALL RIGHTS RESERVED USE OF WRITTEN PERMISSION ONLY

PLAN CHECK CORRECTIONS 9/06/2017

Exterior Lighting Panel

VOLTAGE 120/208V, 3ø, 4W
LOCATION ELECTRICAL ROOM
AIC RATING 22 KAIC (1)

PANEL "HP1"

MOUNTING SURFACE
MAIN C.B. M.L.O.
BUS SIZE 225A

NOTE	DESCRIPTION	OUTLETS LTS	OUTLETS REC	OUTLETS OTHERS	WATTAGE øA	WATTAGE øB	WATTAGE øC	BKR	POLE	CIRC. NO	CIRC. NO	BKR	POLE	WATTAGE øA	WATTAGE øB	WATTAGE øC	OUTLETS LTS	OUTLETS REC	OUTLETS OTHERS	DESCRIPTION	NOTE
	EXTERIOR POLE LTG, WEST PRKG.	X			500			20	1	1	2	20	1	500						EXTERIOR POLE LTG, NORTH PRKG.	
	WITH CIRCUIT #1					500			2	3	4		2		500					WITH CIRCUIT #2	
	EXTERIOR POLE LTG, WEST PRKG.	X					500	20		5	6	20				500				EXTERIOR POLE LTG, SOUTH PRKG.	
	WITH CIRCUIT #5				500				2	7	8		2	500						WITH CIRCUIT #6	
	EXTERIOR POLE LTG, EAST PRKG.					500		20		9	10	20			500					EXTERIOR POLE LTG, EAST PRKG.	
	WITH CIRCUIT #9						500		2	11	12		2			500				WITH CIRCUIT #10	
	EXTERIOR POLE LTG, SOUTH PRKG.				500			20		13	14	20		500						EXTERIOR POLE LTG, WEST PRKG.	
	WITH CIRCUIT #13					500			2	15	16		2		500					WITH CIRCUIT #14	
	SPARE						500	20	1	17	18	20	1			500				SPARE	
	SPARE				0			20	1	19	20	20	1	0						SPARE	
	SPACE					0		20	1	21	22	20	1		0					SPACE	
	SPACE						0	20	1	23	24	20	1			0				SPACE	
	SPACE				0			20	1	25	26	20	1	0						SPACE	
	SPACE					0		20	1	27	28	20	1		0					SPACE	
	SPACE						0	20	1	29	30	20	1			0				SPACE	
	SPACE				0			20	1	31	32	20	1	0						SPACE	
	SPACE					0		20	1	33	34	20	1		0					SPACE	
	SPACE						0	20	1	35	36	20	1			0				SPACE	
	SPACE				0			–	–	37	38	20	1	0						SPACE	
	SPACE					0		–	–	39	40	–	–		0					SPACE	
	SPACE						0	–	–	41	42	–	–			0				SPACE	
	TOTAL THIS SIDE				1500	1500	1500							1500	1500	1500				TOTAL THIS SIDE	
	TOTAL BOTH SIDES				3000	3000	3000	TOTAL CONNECTED LOAD						9,000 VA							

DEMAND LOAD CALCULATIONS

	CONNECTED LOAD		FACTOR		MAXIMUM DEMAND LOAD
LIGHTING LOAD	8,000 VA	X	125%	=	10,000 VA
OTHER LOAD	1,000 VA	X	100%	=	1,000 VA
TOTAL: (Sum of Max. Demand Load)					11,000 VA
Full Load Amps: (Total/(208Vx1.73)					30.6 AMPS

NOTES: (1) MULTI-WIRE BRANCH CIRCUIT. PROVIDE SIMULTENOUS DISCONNECT, HANDLE TIE CB.

Power Panel

VOLTAGE 120/208V, 3ø, 4W
LOCATION ELECTRICAL ROOM
AIC RATING 22 KAIC (1)

PANEL "HP2" (T)

MOUNTING SURFACE
MAIN C.B. M.L.O.
BUS SIZE 225A

NOTE	DESCRIPTION	OUTLETS LTS	OUTLETS REC	OUTLETS OTHERS	WATTAGE øA	WATTAGE øB	WATTAGE øC	BKR	POLE	CIRC. NO	CIRC. NO	BKR	POLE	WATTAGE øA	WATTAGE øB	WATTAGE øC	OUTLETS LTS	OUTLETS REC	OUTLETS OTHERS	DESCRIPTION	NOTE
	HOUSE LEFT SPEAKERS				320			20	1	1	2	20	1	320						HOUSE RIGHT SPEAKERS	
	SUB-WOOFER #1					250		20	1	3	4	20	1		250					SUB-WOOFER #2	
	DISTRO AUDIO AMPLIFIER						1010	20	1	5	6	20	1			500				FUTURE USE, STAGE RACK	
	STAGE RACK #1				580			20	1	7	8	20	1	370						STAGE RACK #2	
	FOH AUDIO RACK					340		20	1	9	10	20	1		120					FOH AUDIO DESK	
	FOH VIDEO RACK						470	20	1	11	12	20	1			630				FOH VIDEO (DESK & WALL)	
	CAMERA #1				1760			20	1	13	14	20	1	680						PTZ CAMERA, MONITOR	
	VIDEO PROJECTOR, LEFT					720		20	1	15	16	20	1		720					PROJECTOR, RIGHT	
	BAND POWER #1						1760	20	1	17	18	20	1			880				DISTRIBUTED TV	
	BAND POWER #2				1760			20	1	19	20	–	–	.						SPACE	
	SPARE					–		20	1	21	22	–	–		.					SPACE	
	SPARE						–	20	1	23	24	–	–			.				SPACE	
	NETWORK CLOSET RACK #1				590			20	1	25	26	20	1	900				5		R105-108, GENERAL USE	
	AMPLIFIER					1010		20	1	27	28	20	1		1080			6		R101, R105-108, GENERAL USE	
	1ST-5TH COMPUTER & TV's						850	20	1	29	30	20	1			1260		7		R100a, R102 GENERAL USE	
	1ST-5TH SPEAKERS – MAINs				420			20	1	31	32	20	1	1440				8		R103-R104, R100 OUTLET	
	1ST-5TH SPEAKERS – SUBS					510		20	1	33	34	20	1		360			2		R102, DRINKING FOUNTAIN	
	NETWORK CLOSET RACK #2						980	20	1	35	36	20	1			180		1		ROOF RECEPTACLE	(1)
	1ST-5TH RACK				450			20	1	37	38	30		2667						ELECTRIC WATER HEATER, WH-1	
	DISTRIBUTED TV's					1100		20	1	39	40				2667					WITH CIRCUIT #38	
	DISTRIBUTED TV's						880	20	1	41	42		3			2667				WITH CIRCUIT #38	
	TOTAL THIS SIDE				5880	3930	5950							6377	5197	6117				TOTAL THIS SIDE	
	TOTAL BOTH SIDES				12257	9127	12067	TOTAL CONNECTED LOAD						33,451 VA							

DEMAND LOAD CALCULATIONS

	CONNECTED LOAD		FACTOR		MAXIMUM DEMAND LOAD
FIRST 10KVA RECEPTACLE LOAD LOAD	0 VA	X	100%	=	0 VA
REMAINDER OF 10KVA LOAD	0 VA	X	50%	=	0 VA
OTHER LOAD	33,451 VA	X	100%	=	33,451 VA
TOTAL: (Sum of Max. Demand Load)					33,451 VA
Full Load Amps: (Total/(208Vx1.73)					92.9 AMPS

NOTES: (1) MULTI-WIRE BRANCH CIRCUIT. PROVIDE SIMULTENOUS DISCONNECT, HANDLE TIE CB.

Interior LTG Panel

VOLTAGE 120/208V, 3ø, 4W
LOCATION ELECTRICAL ROOM
AIC RATING 22 KAIC (1)

PANEL "HP3" (L)

MOUNTING SURFACE
MAIN C.B. M.L.O.
BUS SIZE 225A

NOTE	DESCRIPTION	OUTLETS LTS	OUTLETS REC	OUTLETS OTHERS	WATTAGE øA	WATTAGE øB	WATTAGE øC	BKR	POLE	CIRC. NO	CIRC. NO	BKR	POLE	WATTAGE øA	WATTAGE øB	WATTAGE øC	OUTLETS LTS	OUTLETS REC	OUTLETS OTHERS	DESCRIPTION	NOTE
(1)	FOH LIGHTS				410			20	1	1	2	20	1	220						STAGE RACK, LIGHTS	(1)
	WALL LED #1					1760		20	1	3	4	20	1		1760					WALL LED #2	
	UPSTAGE BAR LED #1						1200	20	1	5	6	20	1			1110				UPSTAGE BAR LED #2	
	UPSTAGE BAR LED #3				1760			20	1	7	8	20	1	630						HOUSE LEFT BAR LED #1	
	HOUSE LEFT BAR LED #2					730		20	1	9	10	20	1		1050					HOUSE CENTER BAR LED #1	
	HOUSE CENTER BAR LED #2						1210	20	1	11	12	20	1			630				HOUSE RIGHT BAR LED #1	
	HOUSE RIGHT BAR LED #2				730			20	1	13	14	20	1	–						SPARE	
	WALL LIGHTING		1			1760		20		15	16	20			1760					UPSTAGE BAR, LTG.	(1)
	WITH CIRCUIT #15						1760		2	17	18		2			1760				WITH CIRCUIT #18	
	HOUSE LEFT BAR, LTG.		1		1760			20		19	20	20		1760						HOUSE CENTER BAR, LTG.	
	WITH CIRCUIT #19					1760			2	21	22		2		1760					WITH CIRCUIT #18	
	HOUSE RIGHT BAR, LTG.						1760	20		23	24	20	1			1278	11			R100, HOUSE LIGHTS #1	
	WITH CIRCUIT #23				1760				2	25	26	20	1	1160			10			R100, HOUSE LIGHTS #2	
	SPARE					–		20	1	27	28	20	1		205		10			R102, LOBBY LIGHTING	
	SPARE						–	20	1	29	30	20	1			904	28			R103-R108, LIGHTING	
	SPARE				–			20	1	31	32	20	1	–						SPARE	
	SPARE					–		20	1	33	34	20	1		–					SPARE	
	SPARE						–	20	1	35	36	20	1			–				SPARE	
	SPACE				.			–	–	37	38	70		664					1	SUB-FEED PANEL "HP4"	
	SPACE					.		–	–	39	40				664					WITH CIRCUIT #38	
	SPACE						.	–	–	41	42		3			664				WITH CIRCUIT #38	
	TOTAL THIS SIDE				6420	6010	5930							4434	7199	6346				TOTAL THIS SIDE	
	TOTAL BOTH SIDES				10854	13209	12276	TOTAL CONNECTED LOAD						36,339 VA							

DEMAND LOAD CALCULATIONS

	CONNECTED LOAD		FACTOR		MAXIMUM DEMAND LOAD
LIGHTING LOAD	34,347 VA	X	125%	=	42,934 VA
OTHER LOAD	1,992 VA	X	100%	=	1,992 VA
TOTAL: (Sum of Max. Demand Load)					44,926 VA
Full Load Amps: (Total/(208Vx1.73)					124.8 AMPS

NOTES: (1) WORSHIP GATHERING AREA "R100" LIGHTING CONTROL SHALL BE THROUGH PROGRAMMABLE DMX CONTROL SYSTEM.

HVAC Panel

VOLTAGE 120/208V, 3ø, 4W
LOCATION ELECTRICAL ROOM
AIC RATING 18 KAIC (1)

PANEL "HP4"

MOUNTING SURFACE
MAIN C.B. M.L.O.
BUS SIZE 100A

NOTE	DESCRIPTION	OUTLETS LTS	OUTLETS REC	OUTLETS OTHERS	WATTAGE øA	WATTAGE øB	WATTAGE øC	BKR	POLE	CIRC. NO	CIRC. NO	BKR	POLE	WATTAGE øA	WATTAGE øB	WATTAGE øC	OUTLETS LTS	OUTLETS REC	OUTLETS OTHERS	DESCRIPTION	NOTE
(1)	EXHAUST FAN, EF-1			1/4HP	332			15		1	2	–	–	.						SPACE	
	WITH CIRCUIT #1					332			2	3	4	–	–		.					SPACE	
(1)	EXHAUST FAN, EF-2			1/4HP			332	15		5	6	–	–			.				SPACE	
	WITH CIRCUIT #5				332				2	7	8	–	–	.						SPACE	
(1)	EXHAUST FAN, EF-3			1/4HP		332		15		9	10	–	–		.					SPACE	
	WITH CIRCUIT #9						332		2	11	12	–	–			.				SPACE	
	SPACE				.			–	–	13	14	–	–	.						SPACE	
	SPACE					.		–	–	15	16	–	–		.					SPACE	
	SPACE						.	–	–	17	18	–	–			.				SPACE	
	TOTAL THIS SIDE				664	664	664							0	0	0				TOTAL THIS SIDE	
	TOTAL BOTH SIDES				664	664	664	TOTAL CONNECTED LOAD						1,992 VA							

DEMAND LOAD CALCULATIONS

	CONNECTED LOAD		FACTOR		MAXIMUM DEMAND LOAD
MOTOR LOAD	1,992 VA	X	125%	=	2,490 VA
TOTAL: (Sum of Max. Demand Load)					2,490 VA (1)
Full Load Amps: (Total/(208Vx1.73)					7 AMPS

NOTES: (1) PROVIDE HACR TYPE OF CIRCUIT BRTEAKER.

PANEL SCHEDULE	
HP1	HP2
HP3	HP4

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaeelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DENNIS R. MOSER
E-18048
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
WORSHIP CENTER - PANEL SCHEDULE

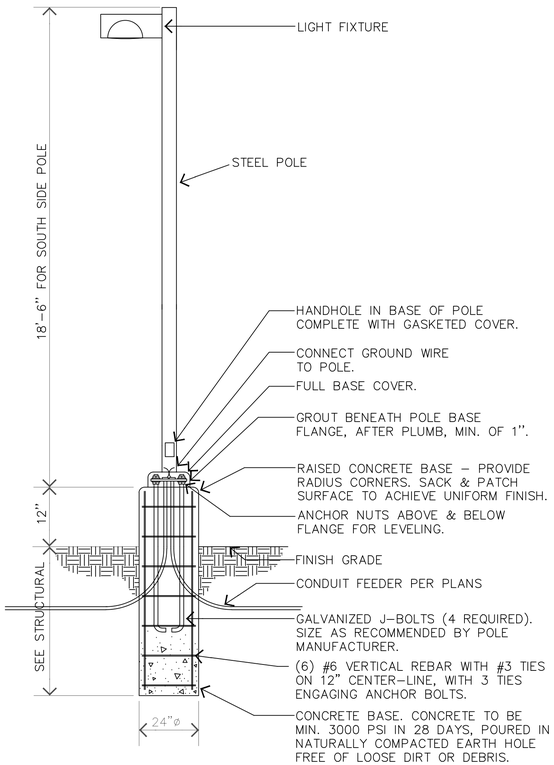
RP PROJECT NUMBER
16 - 299

SCALE
NO SCALE

DRAWING NUMBER
E5.2

COPYRIGHT 2014 RISEPOINTE. ALL RIGHTS RESERVED. USE BY WRITTEN PERMISSION ONLY

PLAN CHECK CORRECTIONS 9/06/2017



IMPORTANT NOTE:

* ALL DIAMETER OF THE POLE LIGHT SHALL BE COORDINATED WITH THE STRUCTURAL ENGINEER PRIOR TO ROUGH-IN. EXPOSED PART OF THE BASE SHALL MATCH THE FINISH OF THE BUILDING WALL.
* POLE DETAIL IS FOR REFERENCE PURPOSES ONLY AND SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO ROUGH-IN.
* ALL EXTERIOR CONDUITS SHALL BE INSTALLED AT LEAST 24" BELOW GRADE OR SHALL MEET THE REQUIREMENTS BASED ON NEC TABLE 300.5

POLE LIGHTING STANDARD DETAILS | 2

LIGHT □□T□RE SCHED□LE

TYPE	SYMBOL	MANUFACTURER	MOUNTING SURF	MOUNTING REC	MOUNTING WALL	MOUNTING PEND.	NO. LAMPS	LAMP TYPE	LAMP WATTS	TOTAL WATTS	VOLT.	DESCRIPTION	LOCATION
F1		LITHONIA LIGHTING AVANTE 2AVL4-40L-MDR-MVOLT -EZ1-LP835		✓			N/A	LED 2700K	48	48	120	2'x4' LED FIXTURE, DIMMABLE 0-10V 4254 LUMENS	HALLWAYS, CLASSROOMS
F1		LITHONIA LIGHTING AVANTE 2AVL4-40L-MDR-MVOLT -EZ1-LP835-EL14L		✓			N/A	LED 2700K	48	48	120	2'x4' LED FIXTURE, DIMMABLE 0-10V, 1400 LUMEN BATTERY PACK PROVIDE 90-MINUTES BATTERY PACK.	HALLWAYS, CLASSROOMS
F2	F2	LITHONIA LIGHTING LDN6-35-15-L06-AR-LSS -MVOLT-EZ10-TRW		✓			N/A	LED 2700K	20.5	20.5	120	6" RECESSED LED DOWNLIGHTS, DIMMABLE 0-10V 1500 LUMENS	HALLWAYS, LOBBY
F2	F2	LITHONIA LIGHTING LDN6-35-15-L06-AR-LSS -MVOLT-EZ10-TRW-EL		✓			N/A	LED 2700K	20.5	20.5	120	6" RECESSED LED DOWNLIGHTS, DIMMABLE 0-10V, 1500 LUMENS, PROVIDE 90-MINUTES BATTERY PACK.	HALLWAYS, LOBBY
F3	F3	LITHONIA LIGHTING WL4-30L-MVOLT-EZ1-LP835-MSD7 -MVOLT-EZ10-TRW-EL	✓				N/A	LED 2700K	28.2	28.2	120	4' LED STRIPLIGHT, DIMMABLE 0-10V 3095 LUMENS	BATHROOM
F4	F4	PINNACLE ARCHITECTURAL LIGHTING EX3B-A-O-835-835-8-MAC48ST -U-OL1-1-O-W				✓	N/A	LED 2700K	36.8	36.8	120	8' SUSPENDED BIDIRECTIONAL LINEAR FIXTURE, DIMMABLE 0-10V 2760 LUMENS	FLC HALLWAY
F4	F4	PINNACLE ARCHITECTURAL LIGHTING EX3B-A-O-835-835-8-MAC48ST -U-OL1-1-1BS-W				✓	N/A	LED 2700K	36.8	36.8	120	8' SUSPENDED BIDIRECTIONAL LINEAR FIXTURE, DIMMABLE 0-10V 2760 LUMENS. PROVIDE EMERGENCY BATTERY PACK.	FLC HALLWAY
F5	F5	LITHONIA LIGHTING LDN6-35-15-L06-AR-LSS-MVOLT -EZ10-TRW-EL		✓			N/A	LED 2700K	20.5	20.5	120	6" RECESSED LED DOWNLIGHTS, DIMMABLE 0-10V, 1500 LUMENS. PROVIDE EMERGENCY BATTERY PACK.	WC LOBBY AREA
F6	F6	LITHONIA LIGHTING TO BE SELECTED		✓			N/A	LED 2700K	20	20	120	24" VANITY FIXTURE, 2700K	WC BATHROOM
F7	F7	ALPHABET – LEDRA LIGHTING 680-3-XTM19-20LM-35K-83-UNV -10V-WH-MP-WH				✓	N/A	LED 2700K	19.8	19.8	120	DELTA3 LED PENDANT FIXTURE, DIMMABLE 0-10V, 1320 LUMENS. PROVIDE EMERGENCY BATTERY PACK.	FLC LOBBY
F8	HLB100 F8	THE LIGHT SOURCE MODEL #: 258042 -10V-WH-MP-WH				✓	N/A	LED 2700K	116.2	116.2	120	LED HIGH BAY FIXTURE, DIMMABLE, 7012 LUMENS.	WC MEETING AREA
F9	F9	CONTECH LIGHTING TRACK HEAD SPECS#: CTL8061HF35D -S-FA-43-S-LF-1673-60MM TRACK SPECS: LT-LENGTH-S				✓	N/A	LED 2700K	45W/LF	45W/LF	120	LED TRACK LIGHTING, DIMMABLE	WC MEETING AREA
F10	F10	CONTECH LIGHTING TRACK HEAD SPECS#: CTL8061HF35D -S-FA-43-S-LF-1673-60MM TRACK SPECS: LT-LENGTH-S				✓	N/A	LED 2700K	45W/LF	45W/LF	120	LED TRACK LIGHTING, DIMMABLE	WC MEETING AREA
L1		LITHONIA LIGHTING ZORO#: G9717915 MFR #: DSX1-LED-60C-700-50K -TM3-MVOLT-RPA-DDBXD				✓	N/A	LED 2700K	131	131	120	POLE MOUNTED OUTDOOR FIXTURE. 14,350 LUMENS, 80 CRI.	PARKING SPACE, DRIVEWAY
EM	EM	LITHONIA LIGHTING MODEL #: ELM2 -10V-WH-MP-WH					N/A	LED 2700K	(2)9W	18	120	LED EMERGENCY BUG-EYE WITH BATTERY PACK.	WC MEETING AREA
EX	EX	LITHONIA LIGHTING LRE-S-1-R-MVOLT-EL N	✓				N/A	LED	1.4	1.4	120	EXIT SIGN WITH EMERGENCY BATTERY PACK DIRECTION SHOWN ON PLAN.	EXIT HALLWAYS

□OTE:
1. ALL FIXTURE TYPE, FINISH, LOCATION & MOUNTING TYPE SHALL BE VERIFIED WITH THE ARCHITECT PRIOR TO ORDERING.
2. ALL NEW LIGHTING FIXTURE SHALL BE DIMMABLE.
3. ALL EXTERIOR FIXTURES SHALL BE WEATHER PROOF RATED.
4. ALL FLUORESCENT FIXTURE SHALL BE PROVIDED WITH ELECTRONIC BALLAST.
5. EMERGENCY LIGHTING SHALL HAVE BATTERY PACKS MINIMUM OF 90-MINUTES.

LIGHTING SCHEDULE | 1

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaaelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

▷	REV 1	PC SET 09/06/2017

STONEBRIDGE
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DENNIS M. CSOPO
E-18046
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
LIGHTING SCHEDULE & DETAILS

RP PROJECT NUMBER
16 - 299

SCALE
NO SCALE

DRAWING NUMBER
E5.3

COPYRIGHT 2016 RISEPOINTE. ALL RIGHTS RESERVED. USE BY WRITTEN PERMISSION ONLY

PLAN CHECK CORRECTIONS 9/06/2017

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: □AMILY LI□E CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

A. General Information

Climate Zone: 0□	Conditioned Floor Area: 5,445 s.□ / Unconditioned Floor Area:						
Building Type:	☑	Nonresidential	☐	High-Rise Residential	☐	Hotel/Motel	
Schools	☐	Relocatable Public Schools	☑	Conditioned Spaces	☐	Unconditioned Spaces	
Phase of Construction:	☐	New Construction	☐	Addition	☑	Alteration	
Method of Compliance:	☐	Complete Building	☑	Area Category	☐	Tailored	
Project Address: 4832 COCHRA□ STREET, B□ILDI□G A, SIMI VALLEY, CA 930□3							

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
☑	○	NRCC-LTI-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
☑	○	NRCC-LTI-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
☑	○	NRCC-LTI-03-E	Indoor Lighting Power Allowance
○	☑	NRCC-LTI-04-E	Tailored Method Worksheets
○	☑	NRCC-LTI-05-E	Line Voltage Track Lighting Worksheets
○	☑	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: □AMILY LI□E CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

C. Summary of Allowed Lighting Power

Conditioned and Unconditioned space Lighting must not be combined for compliance

	Indoor Lighting Power for Conditioned Spaces		Watts	Indoor Lighting Power for Unconditioned Spaces		Watts
01	**Installed** Lighting NRCC-LTI-01-E, Table H, page 5	+	1,99□	**Installed** Lighting 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]	=	1,99□	Adjusted **Installed** Lighting Power [row 1 minus row 3]	=	
	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		5,480 ⚠	**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	
☑	○	NRCI-LTI-01-E - Must be submitted for all buildings	☐ Field Inspector
☑	○	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.	☐ Field Inspector
☑	○	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.	☐ Field Inspector
○	☑	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.	☐ Field Inspector
○	☑	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐ Field Inspector
○	☑	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐ 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: □AMILY LI□E CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

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	
☑	○	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐ Field Inspector
☑	○	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐ Field Inspector
○	☑	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐ Field Inspector
○	☑	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: □AMILY LI□E CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

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/ft²							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	Watts per square foot (G04 / G05)	If G06 ≤ 0.3, enter zero; If G06 > 0.3, (G06-0.3)	(G05 x G07)	Identify Office area in which these portable luminaires are installed	Pass	Fail
□A									○	○
									○	○
									○	○
									○	○
									○	○
Total installed portable luminaire watts that are greater than 0.3 W/ft² per office:								Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

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: □AMILY LI□E CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

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 [1]	
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: CEC Default from NA8	How wattage was determined: According to §130.0(c)	Number Luminaires	Total Installed Watts (Watts x Qty)	Primary Function area in which these luminaires are installed	Pass	Fail
□1	LED Lam□; 48□; 2□4□□ture, Dimma□le	48	☐	☑	28	1,344	Classroom, O□ices, Lounge	○	○
□2	LED Lam□; 20.5□; LED Do□nlights, Dimma□le	20.5	☐	☑	14	287	Corridor, Rece□tion	○	○
□3	LED Lam□; 28.2□; LED Str□lights, Dimma□le	28.2	☐	☑	5	141	□anitor, Su□□ort	○	○
□4	LED Lam□; 3□8□□; LED Sus□ended Lights, Dimma□le	3□8	☐	☑	5	184	Hall□ay	○	○
□7	LED Lam□; 19.8□□; LED Pendant □□ture, Dimma□le	19.8	☐	☑	2	40	Rece□tion, Main Entry	○	○
			☐	☐				○	○
			☐	☐				○	○
			☐	☐				○	○
			☐	☐				○	○
INSTALLED WATTS PAGE TOTAL:						1,99□	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

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: □AMILY LI□E CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: G□ILLERMO PECSO□	Documentation Author Signature:
Company: DS□A CO□S□LTI□G E□GI□EERS	Signature Date: 09 □0□ □2017
Address: 10811 WASHI□GTO□ BLVD., S□ITE 374	CEA Certification Identification (if applicable):
City/State/Zip: C□LVER CITY, CA 90232	Phone: (310) 384-2594

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: G□ILLERMO PECSO□	Responsible Designer Signature:
Company: DS□A CO□S□LTI□G E□GI□EERS	Date Signed: 09 □0□ □2017
Address: 10811 WASHI□GTO□ BLVD., S□ITE 374	License: E-18048
City/State/Zip: C□LVER CITY, CA 90232	Phone: (310) 384-2594

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 1 of 3)
Project Name: □AMILY LI□E CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

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

YES	NO	Control Requirements
☑	○	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.
☑	○	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).
○	☑	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).
○	☑	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).
☑	○	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.
☑	○	All luminaires shall be functionally controlled with manual ON and OFF lighting controls in accordance with Section 130.1(a).
☑	○	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.
☑	○	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).
☑	○	All installed indoor lighting shall be equipped with controls that meet the applicable Shut-OFF control requirements in Section 130.1(c).
☑	○	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.
○	☑	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).
☑	○	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) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 2 of 3)
Project Name: □AMILY LI□E CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

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 [1] (✓ all that apply, or leave empty if Exempted)							PAF Credit Calculation [2]: Watts of Controlled Lighting	PAF	Control Credit (11 x 12)	✓ 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)					Pass	Fail
Private O□ice	Dimmer, Occu□ancy sensor	1	✓	✓	✓	-	-	-	-	□A	□A	□A	☑	○	○
Classroom	Occu□ancy Sensor	1	✓	✓	✓	-	-	-	-	□A	□A	□A	☑	○	○
Restrooms	Occu□ancy Sensor	1	✓	✓	✓	-	-	-	-	□A	□A	□A	☑	○	○
Hall□ay	Occu□ancy Sensor	1	✓	✓	✓	-				□A	□A	□A	☑	○	○
Lounge, Rece□tion	Occu□ancy Sensor Automatic Daylight	1	✓	✓	✓	✓	-	-	-	□A	□A	□A	☑	○	○
													☐	○	○
													☐	○	○
Control Credit PAGE TOTAL (Sum of Column 13):															
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) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 3 of 3)
Project Name: □AMILY LI□E CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: G□ILLERMO PECSO□	Documentation Author Signature:
Company: DS□A CO□S□LTI□G E□GI□EERS	Signature Date: 09 □0□ □2017
Address: 10811 WASHI□GTO□ BLVD., S□ITE 374	CEA Certification Identification (if applicable):
City/State/Zip: C□LVER CITY, CA 90232	Phone: (310) 384-2594

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: G□ILLERMO PECSO□	Responsible Designer Signature:
Company: DS□A CO□S□LTI□G E□GI□EERS	Date Signed: 09 □0□ □2017
Address: 10811 WASHI□GTO□ BLVD., S□ITE 374	License: E-18048
City/State/Zip: C□LVER CITY, CA 90232	Phone: (310) 384-2594

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

▷	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED

1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER — GUILLERMO PECSO — E-18048 — EXP. 6-30-19 — ELECTRICAL — STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
TITLE 24 FORMS - INDOOR LIGHTING (FLC)

RP PROJECT NUMBER
16 - 299

SCALE
NO SCALE

DRAWING NUMBER
E6.0

COPYRIGHT 2016 RISEPOINTE ALL RIGHTS RESERVED. USE OF WRITTEN PERMISSION ONLY

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaelectric.net

PLAN CHECK CORRECTIONS 9/06/2017

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 1 of 4)
Project Name: □AMILY LI□E CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

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

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)			
02 Area Category Method Allowed Watts. Documented in section C-1 of NRCC-LTI-03-E (below on this page)			5,480
03 Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-04-E			
TOTAL ALLOWED BUILDING WATTS. Enter number into correct cell on NRCC-LTI-01, Page 2, Row 1			5,480

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

B. COMPLETE BUILDING METHOD LIGHTING POWER ALLOWANCE

01	02		03		04
TYPE OF BUILDING (From §140.6 Table 140.6-B)	WATTS PER ft²	X	COMPLETE BLDG. AREA	=	ALLOWED WATTS
□A					
Total Area:					
Total Watts. Enter Total Watts into section A, row 1 (Above on this page)					

C -1 AREA CATEGORY METHOD TOTAL LIGHTING POWER ALLOWANCES	Watts
Total from section C-2.	5,480
Total from section C-3.	
Total Watts. Enter Total Watts into section A, row 2 (Above on this page).	5,480
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.	

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 2 of 4)
Project Name: □AMILY LI□E CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

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		03		04
AREA CATEGORY (From §140.6 Table 140.6-C)		WATTS PER ft²	X	AREA (ft²)	=	ALLOWED WATTS
Location in Building	Primary Function Area per Table 140.6-C					
O□□ICE R113, R218	O□□ICE AREA □250 S□	1.00		345		345
CLASSROOM R102-105, R108-109 , R114	CLASSROOM	1.20		3,208		3,850
CORRIDOR, RESTROOM, STORAGE, S□PPORT	CORRIDOR, RESTROOM, STORAGE, S□PPORT	0.□0		1,391		834
RECEPTIO□ AREA	RECEPTIO□, LO□□GE AREA	0.90		501		451
		TOTALS		5,445		5,480
Enter sum total Area Category allowed watts into section C-1 of NRCC-LTI-03-E (this compliance document)						WATTS

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 3 of 4)
Project Name: □AMILY LI□E CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:
☑ CONDITIONED spaces ☐ UNCONDITIONED spaces

C-3 AREA CATEGORY METHOD ADDITIONAL LIGHTING WATTAGE ALLOWANCE (from Table 140.6-C Footnotes)

01	02	03 [2]	04	05	06	07
Primary Function	Sq Ft or Linear ft [1]	Additional Watts Allowed	Wattage Allowance (02 x 03)	Description(s) and Quantity of Special Luminaire Types in each Primary Function Area	Total Design Watts [3]	ALLOWED WATTS Smaller of 04 or 06
□A						
TOTALS – Enter into TOTAL AREA CATEGORY METHOD ADDITIONAL ALLOWANCES – Section C-1						

1. Use linear feet only for additional allowance for white board or chalk board. All other additional Area Category allowances shall use watts per square foot.
2. . Additional watts are available only when allowed according to the footnotes on bottom of Table 140.6-C, which include: Specialized task work; Ornamental lighting; Precision commercial and industrial work; Per linear foot of white board or chalk board; Accent, display and feature lighting; and Videoconferencing studio lighting..
3. Luminaire classification and wattage shall be determined in accordance with §130.0(c) of the Standards.

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 4 of 4)
Project Name: □AMILY LI□E CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: G□ILLERMO PECSO□	Documentation Author Signature:
Company: DS□A CO□S□LTI□G E□GI□EERS	Signature Date: 09 □0□ □2017
Address: 10811 WASHI□GTO□ BLVD., S□ITE 374	CEA Certification Identification (If applicable):
City/State/Zip: C□LVER CITY, CA 90232	Phone: (310) 384-2594

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California: 0□ □21 □2017

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: G□ILLERMO PECSO□	Responsible Designer Signature:
Company : DS□A CO□S□LTI□G E□GI□EERS	Date Signed: 09 □0□ □2017
Address: 10811 WASHI□GTO□ BLVD., S□ITE 374	License: E-18048
City/State/Zip: C□LVER CITY, CA 90232	Phone: (310) 384-2594

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

▷	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
G□ILLERMO PECSO□
E-18048
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
TITLE 24 FORMS - INDOOR LIGHTING (FLC)

RP PROJECT NUMBER
16 - 299

SCALE
NO SCALE

DRAWING NUMBER
E6.0A

COPYRIGHT 2014 RISEPOINTE ALL RIGHTS RESERVED. USE BY WRITTEN PERMISSION ONLY

PLAN CHECK CORRECTIONS 9/06/2017

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: WORSHIP CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

A. General Information

Climate Zone: 0□	Conditional Floor Area: □,403 s.□ Unconditioned Floor Area:						
Building Type:	☑	Nonresidential	☐	High-Rise Residential	☐	Hotel/Motel	
Schools	☐	Relocatable Public Schools	☑	Conditioned Spaces	☐	Unconditioned Spaces	
Phase of Construction:	☐	New Construction	☐	Addition	☑	Alteration	
Method of Compliance:	☐	Complete Building	☑	Area Category	☐	Tailored	
Project Address: 4832 COCHRA□ STREET, B□ILDI□G B, SIMI VALLEY, CA 930□3							

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
☑	○	NRCC-LTI-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
☑	○	NRCC-LTI-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
☑	○	NRCC-LTI-03-E	Indoor Lighting Power Allowance
○	☒	NRCC-LTI-04-E	Tailored Method Worksheets
☒	○	NRCC-LTI-05-E	Line Voltage Track Lighting Worksheets
○	☒	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: WORSHIP CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

C. Summary of Allowed Lighting Power

Conditioned and Unconditioned space Lighting must not be combined for compliance

	Indoor Lighting Power for Conditioned Spaces		Watts	Indoor Lighting Power for Unconditioned Spaces		Watts
01	**Installed** Lighting NRCC-LTI-01-E, Table H, page 5	+	7,2□5	**Installed** Lighting 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)	=	7,2□5	Adjusted **Installed** Lighting Power (row 1 minus row 3)	=	
	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		7,945 ⚠1	**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	
☑	○	NRCI-LTI-01-E - Must be submitted for all buildings	☐ Field Inspector
☑	○	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.	☐ Field Inspector
☑	○	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.	☐ Field Inspector
○	☑	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.	☐ Field Inspector
○	☑	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐ Field Inspector
○	☑	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐ 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: WORSHIP CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

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	
☑	○	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐ Field Inspector
☑	○	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐ Field Inspector
○	☑	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐ Field Inspector
○	☑	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: WORSHIP CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

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/ft²							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	Watts per square foot (G04 / G05)	If G06 ≤ 0.3, enter zero; If G06 > 0.3, (G06-0.3)	(G05 x G07)	Identify Office area in which these portable luminaires are installed	Pass	Fail
□A									○	○
									○	○
									○	○
									○	○
									○	○
Total installed portable luminaire watts that are greater than 0.3 W/ft² per office:								Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

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: WORSHIP CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

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 [1]	
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: EEC Default from NA8	How wattage was determined: According to §130.0(c)	Number Luminaires	Total Installed Watts (watts x qty) (03 x 05)	Primary Function area in which these luminaires are installed		Pass	Fail
□1	LED Lam□: 48□; 2□4□□ture, Dimma□le	48	☐	☑	12	57□	Classroom, O□ices, Lounge		○	○
□2	LED Lam□: 20.5□; LED Do□nlights, Dimma□le	20.5	☐	☑	15	308	Cry Room, Corridor		○	○
□5	LED Lam□: 20.5□; LED Do□nlights, Dimma□le	20.5	☐	☑	2	41	Main Entry Lo□y Area		○	○
□□	LED Lam□: 20□; LED Vanity □□ture, Dimma□le	20	☐	☑	□	120	Restroom		○	○
□8	LED Lam□: 11□2□, LED High-Bay, Dimma□le	11□2	☐	☑	21	2,440	Worshi□Service Area		○	○
□9	LED Lam□: 45□1□Trac□Lights, Dimma□le	45	☐	☑	3	2,835	Worshi□Service Area		○	○
□10	LED Lam□: 45□1□Trac□Lights, Dimma□le	45	☐	☑	1	945	Worshi□Service Area		○	○
			☐	☐					○	○
			☐	☐					○	○
INSTALLED WATTS PAGE TOTAL:						7,2□5	Enter sum total of all pages into NRCC-LTI-01-E; Page 2 ⚠1			

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: WORSHIP CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: G□ILLERMO PECSO□	Documentation Author Signature:
Company: DS□A CO□S□LTI□G E□GI□EERS	Signature Date: 09 □0□ □2017
Address: 10811 WASHI□GTO□ BLVD., S□ITE 374	CEA Certification Identification (if applicable):
City/State/Zip: C□LVER CITY, CA 90232	Phone: (310) 384-2594

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: G□ILLERMO PECSO□	Responsible Designer Signature:
Company: DS□A CO□S□LTI□G E□GI□EERS	Date Signed: 09 □0□ □2017
Address: 10811 WASHI□GTO□ BLVD., S□ITE 374	License: E-18048
City/State/Zip: C□LVER CITY, CA 90232	Phone: (310) 384-2594

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 1 of 3)
Project Name: WORSHIP CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

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

YES	NO	Control Requirements
☑	○	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.
☑	○	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).
○	☑	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).
○	☑	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).
☑	○	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.
☑	○	All luminaires shall be functionally controlled with manual ON and OFF lighting controls in accordance with Section 130.1(a).
☑	○	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.
☑	○	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).
☑	○	All installed indoor lighting shall be equipped with controls that meet the applicable Shut-OFF control requirements in Section 130.1(c).
☑	○	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.
○	☑	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).
☑	○	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) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 2 of 3)
Project Name: WORSHIP CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

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 [1] (✓ all that apply, or leave empty if Exempted)							PAF Credit Calculation [2]			✓ 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)	Controlled Lighting Watts of	PAF	Control Credit (11 x 12)		Pass	Fail
Worshi□Area R100	Automatic Times□itch	1	✓	✓	✓	-	-	-	-	□A	□A	□A	☑	○	○
Restrooms R103, R104	Occu□ancy Sensor	1	✓	✓	✓	-	-	-	-	□A	□A	□A	☑	○	○
Hallway R109a	Occu□ancy Sensor	1	✓	✓	✓	-	-	-	-	□A	□A	□A	☑	○	○
Lounge R105	Occu□ancy Sensor	1	✓	✓	✓	-	-	-	-	□A	□A	□A	☑	○	○
Main Entry Lo□y R102	Automatic Times□itch	1	✓	✓	✓	-	-	-	-	□A	□A	□A	☑	○	○
													☐	○	○
													☐	○	○
Control Credit PAGE TOTAL (Sum of Column 13):															
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) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 3 of 3)
Project Name: WORSHIP CE□TER - STO□EBRIDGE	Date Prepared: 09 □0□ □2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: G□ILLERMO PECSO□	Documentation Author Signature:
Company: DS□A CO□S□LTI□G E□GI□EERS	Signature Date: 09 □0□ □2017
Address: 10811 WASHI□GTO□ BLVD., S□ITE 374	CEA Certification Identification (if applicable):
City/State/Zip: C□LVER CITY, CA 90232	Phone: (310) 384-2594

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: G□ILLERMO PECSO□	Responsible Designer Signature:
Company: DS□A CO□S□LTI□G E□GI□EERS	Date Signed: 09 □0□ □2017
Address: 10811 WASHI□GTO□ BLVD., S□ITE 374	License: E-18048
City/State/Zip: C□LVER CITY, CA 90232	Phone: (310) 384-2594

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

▷	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED

1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER — GUILLERMO PECSO — E-18048 — EXP. 6-30-19 — ELECTRICAL — STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
TITLE 24 FORMS - INDOOR LIGHTING (WC)

RP PROJECT NUMBER
16 - 299

SCALE
NO SCALE

DRAWING NUMBER
E6.0B

COPYRIGHT 2014 RISEPOINTE. ALL RIGHTS RESERVED. USE OF WRITTEN PERMISSION ONLY

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaelectric.net

PLAN CHECK CORRECTIONS 9/06/2017

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 1 of 4)
Project Name: WORSHIP CE□TER - STO□EBRIDGE	Date Prepared: 09 □D□ □2017

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

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)			
02 Area Category Method Allowed Watts. Documented in section C-1 of NRCC-LTI-03-E (below on this page)			7,945
03 Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-04-E			
TOTAL ALLOWED BUILDING WATTS. Enter number into correct cell on NRCC-LTI-01, Page 2, Row 1			7,945

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

B. COMPLETE BUILDING METHOD LIGHTING POWER ALLOWANCE

01	02		03		04
TYPE OF BUILDING (From §140.6 Table 140.6-B)	WATTS PER ft²	X	COMPLETE BLDG. AREA	=	ALLOWED WATTS
□A					
Total Area:					
Total Watts. Enter Total Watts into section A, row 1 (Above on this page)					

C -1 AREA CATEGORY METHOD TOTAL LIGHTING POWER ALLOWANCES	Watts
Total from section C-2.	7,945
Total from section C-3.	
Total Watts. Enter Total Watts into section A, row 2 (Above on this page).	7,945
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.	

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 2 of 4)
Project Name: WORSHIP CE□TER - STO□EBRIDGE	Date Prepared: 09 □D□ □2017

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		03		04
AREA CATEGORY (From §140.6 Table 140.6-C)		WATTS PER ft²				ALLOWED WATTS
Location in Building	Primary Function Area per Table 140.6-C		X	AREA (ft²)	=	
RELIGIO□S WORSHIP AREA R100	RELIGIO□S WORSHIP AREA	1.50		4,317		□47□
LO□□GE AREA R105	LO□□GE AREA	0.90		280		252
MA□□E□TRY LOBBY R102	MA□□E□TRY LOBBY	0.95		390		371
RESTROOM R103, R104	RESTROOM, S□PPORT	0.□0		370		222
CORRIDOR R109a, STORAGE R107, R108	RESTROOM, STORAGE, S□PPORT	0.□0		980		588
ELECTRICAL ROOM R10□	ELECTRICAL ROOM	0.55		□□		3□
		TOTALS		□403		7,945
Enter sum total Area Category allowed watts into section C-1 of NRCC-LTI-03-E (this compliance document)						WATTS

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 3 of 4)
Project Name: WORSHIP CE□TER - STO□EBRIDGE	Date Prepared: 09 □D□ □2017

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:
☑ CONDITIONED spaces ☐ UNCONDITIONED spaces

C-3 AREA CATEGORY METHOD ADDITIONAL LIGHTING WATTAGE ALLOWANCE (from Table 140.6-C Footnotes)

01	02	03 [2]	04	05	06	07
Primary Function	Sq Ft or Linear ft [1]	Additional Watts Allowed	Wattage Allowance (02 x 03)	Description(s) and Quantity of Special Luminaire Types in each Primary Function Area	Total Design Watts [3]	ALLOWED WATTS Smaller of 04 or 06
□A						
TOTALS – Enter into TOTAL AREA CATEGORY METHOD ADDITIONAL ALLOWANCES – Section C-1						

1. Use linear feet only for additional allowance for white board or chalk board. All other additional Area Category allowances shall use watts per square foot.
2. Additional watts are available only when allowed according to the footnotes on bottom of Table 140.6-C, which include: Specialized task work; Ornamental lighting; Precision commercial and industrial work; Per linear foot of white board or chalk board; Accent, display and feature lighting; and Videoconferencing studio lighting..
3. Luminaire classification and wattage shall be determined in accordance with §130.0(c) of the Standards.

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 4 of 4)
Project Name: WORSHIP CE□TER - STO□EBRIDGE	Date Prepared: 09 □D□ □2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	G□ILLERMO PECSO□	Documentation Author Signature:	
Company:	DS□A CO□S□LTI□G E□GI□EERS	Signature Date:	09 □D□ □2017
Address:	10811 WASHI□GTO□ BLVD., S□ITE 374	CEA Certification Identification (if applicable):	
City/State/Zip:	C□LVER CITY, CA 90232	Phone:	(310) 384-2594

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California: 0□ □21 □2017

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:	G□ILLERMO PECSO□	Responsible Designer Signature:	
Company:	DS□A CO□S□LTI□G E□GI□EERS	Date Signed:	09 □D□ □2017
Address:	10811 WASHI□GTO□ BLVD., S□ITE 374	License:	E-18048
City/State/Zip:	C□LVER CITY, CA 90232	Phone:	(310) 384-2594

STATE OF CALIFORNIA
LINE-VOLTAGE TRACK LIGHTING WORKSHEET
CEC-NRCC-LTI-05-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-05-E
Indoor Lighting – Line-Voltage Track Lighting Worksheet	(Page 1 of 2)
Project Name: WORSHIP CE□TER - STO□EBRIDGE	Date Prepared: 09 □D□ □2017

☑ 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
□A	

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

01	02	03	04	05	06
Track or Name #	Linear Feet of Track	(W/LF)	B02 x B03 (W)	Total Rated Wattage of All Luminaires	Larger of (B04 or B05)
□9	□3	45	2,835	1,100	2,835
□10	21	45	945	750	945
		45			

☐ **C. METHOD 3 – USE THE HIGHER OF: 12.5 WATTS / LINEAR 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 #	Linear Feet of Track	(W/LF)	C02 x C03 (W)	VA Rating of Integral Current Limiter	Larger of (C04 or C05)
□A		12.5			
		12.5			
		12.5			

☐ **D. METHOD 4 - DEDICATED TRACK LIGHTING SUPPLIMENTARY 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)
□A			

STATE OF CALIFORNIA
LINE-VOLTAGE TRACK LIGHTING WORKSHEET
CEC-NRCC-LTI-05-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-05-E
Indoor Lighting – Line-Voltage Track Lighting Worksheet	(Page 2 of 2)
Project Name: WORSHIP CE□TER - STO□EBRIDGE	Date Prepared: 09 □D□ □2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	G□ILLERMO PECSO□	Documentation Author Signature:	
Company:	DS□A CO□S□LTI□G E□GI□EERS	Signature Date:	09 □D□ □2017
Address:	10811 WASHI□GTO□ BLVD., S□ITE 374	CEA Certification Identification (if applicable):	
City/State/Zip:	C□LVER CITY, CA 90232	Phone:	(310) 384-2594

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California: 0□ □21 □2017

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:	G□ILLERMO PECSO□	Responsible Designer Signature:	
Company:	DS□A CO□S□LTI□G E□GI□EERS	Date Signed:	09 □D□ □2017
Address:	10811 WASHI□GTO□ BLVD., S□ITE 374	License:	E-18048
City/State/Zip:	C□LVER CITY, CA 90232	Phone:	(310) 384-2594

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

▷	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
GUILLERMO PECSO
E-18048
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
TITLE 24 FORMS - INDOOR LIGHTING (WC)

RP PROJECT NUMBER
16 - 299

SCALE
NO SCALE

DRAWING NUMBER
E6.0C

COPYRIGHT 2014 RISEPOINTE. ALL RIGHTS RESERVED. USE BY WRITTEN PERMISSION ONLY

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaelectric.net

PLAN CHECK CORRECTIONS 9/06/2017

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 1 of 4)
Project Name: STO□EBRIDGE COMM□□ITY CH□RCH	Date Prepared: 09 0□□2017

A. General Information

Project Address: 4832 COCHRA□ STREET, SIMI VALLEY, CA 930□3	Total Illuminated Hardscape Area: 120,5 0 S□
Phase of Construction: ☐ New Construction ☐ Addition ☑ Alteration	
Outdoor Lighting Zone (LZ) ☐ LZ-1 ☐ LZ-2 ☑ LZ-3 ☐ LZ-4	

I have confirmed with the AHJ which LZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-114

B. Lighting Compliance Documents (check box 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.

☑ NRCC-LTO-01-E	Certificate of Compliance
☑ NRCC-LTO-02-E	Outdoor Lighting Controls Certificate of Compliance
☑ NRCC-LTO-03-E	Outdoor Lighting Power Allowance Certificate of Compliance
☐ NRCC-LTO-04-E	Outdoor Lighting Existing Conditions Certificate of Compliance

C. Summary of Allowed Outdoor Lighting Power

		Watts
01	Sum Total ALLOWED Outdoor Lighting Wattage from NRCC-LTO-03-E, page 1 Alterations with NO increase of connected lighting load may instead use the allowed wattage from NRCC-LTO-04, page 2.	□150
	Complies ONLY if Installed (Box 02) □ Allowed (Box 01)	
02	Sum Total INSTALLED Outdoor Lighting Wattage from NRCC-LTO-01-E, page 3.	5,371

D. Declaration of Required Installation Certificates

Declare by checking all installation Certificates that will be submitted. (Retain copies and verify compliance documents are completed and signed.)

☑ NRCI-LTO-01-E - Must be submitted for all buildings	☐ Field Inspector
☑ NRCI-LTO-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector

E. Declaration of Required Certificates of Acceptance

Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify compliance documents are completed and signed.)

☐ NRCA-LTO-02-A - Must be submitted for outdoor lighting controls.	☐ Field Inspector

F. Schedule of Luminaires Exempt from the Outdoor Lighting Power Requirements in §140.7

01	02
Name or Symbol	Description of exempt luminaire in accordance with the exemptions
□A	

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 2 of 4)
Project Name: STO□EBRIDGE COMM□□ITY CH□RCH	Date Prepared: 09 0□□2017

G. Schedule of Luminaires Exempt from the Cutoff Requirements in §130-2(b)

01	02
Name or Symbol	Description of exempt luminaire in accordance with the exemptions
□A	

H. Schedule of Luminaires Exempt from the Outdoor Lighting Control Requirements in §130.2(c)

01	02
Name or Symbol	Description of exempt luminaire in accordance with the exemptions
□A	

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 3 of 4)
Project Name: STO□EBRIDGE COMM□□ITY CH□RCH	Date Prepared: 09 0□□2017

I. Outdoor Lighting Schedule and Field Inspection Energy Checklist

Luminaire Schedule 01	02	Installed Watts 03	04		05	06	Location 07	Cutoff 08	Field Inspector 09	
Name or Item Tag	Complete Luminaire Description	Watts per Luminaire	How wattage was determined: CEC Default from NMLE	How wattage was determined: According to §130.0(b)	Number of Luminaires	Total Installed Watts in this area (03 x 05)	Primary Function area in which these luminaires are installed (Outdoor Lighting Zone)	BUG Rating	Pass	Fail
L1	POLE MO□□TED LED □I□T□RE 2700□	131	☐	☑	41	5,371	Hardsca□e Drive□ay	UH: UL: FVH: BVH: FH: BH:	○	○
			☐	☐				UH: UL: FVH: BVH: FH: BH:	○	○
			☐	☐				UH: UL: FVH: BVH: FH: BH:	○	○
			INSTALLED WATTS PAGE TOTAL:			5,371	Enter sum total of all pages (**Sum Total INSTALLED** Outdoor lighting wattage) into NRCC-LTO-01-E; Page **1**		5,371	

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 4 of 4)
Project Name: STO□EBRIDGE COMM□□ITY CH□RCH	Date Prepared: 09 0□□2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: G□ILLERMO PECSO□	Documentation Author Signature:
Company: DS□A CO□S□LTI□G E□GI□EERS	Signature Date: 09 0□□2017
Address: 10811 WASHI□GTO□ BLVD., S□ITE 374	CEA Certification Identification (if applicable):
City/State/Zip: C□LVER CITY, CA 90232	Phone: (310) 384-2594

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: G□ILLERMO PECSO□	Responsible Designer Signature:
Company: DS□A CO□S□LTI□G E□GI□EERS	Date Signed: 09 0□□2017
Address: 10811 WASHI□GTO□ BLVD., S□ITE 374	License: E-18048
City/State/Zip: C□LVER CITY, CA 90232	Phone: (310) 384-2594

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTO-02-E (Revised 08/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 1 of 3)
Project Name: STO□EBRIDGE COMM□□ITY CH□RCH	Date Prepared: 09 0□□2017

A. Mandatory Outdoor Lighting Control Declaration Statements

Check all that apply:

- ☑ 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 §1110.9(a).
- ☑ 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 §130.4(b).
- ☑ 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 §130.0(d).
- ☑ Part-Night Outdoor Lighting Controls, as defined in Section 100.1(b), shall meet the requirements in Section 110.9(b)5.
- ☐ All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0(c), shall be controlled by a motion sensor.
- ☐ All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance with Section 130.0(c), shall comply with Uplight and Glare requirements in accordance with Section 130.2(b)
- ☑ All installed outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time-switch control, or other control capable of automatically switching OFF in accordance with Section 130.2(c)1.
- ☑ All installed outdoor lighting shall be circuited and independently controlled from other electrical loads by an automatic scheduling control in accordance with Section 130.2(c)2.
- ☑ All installed outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls in accordance with Section 130.2(c)3.
- ☐ For Outdoor Sales Frontage, an automatic lighting control shall be installed in accordance with Section 130.2(c)4.
- ☑ For Building Facade, Ornamental Hardscape and Outdoor Dining lighting, an automatic lighting control shall be installed in accordance with Section 130.2(c)5
- ☑ Before an occupancy permit is granted for the newly constructed building or for the addition, or for any altered outdoor lighting controls, shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with §130.4.(a). Outdoor lighting controls shall comply with the applicable requirements of Section 130.2(c) and Reference Nonresidential Appendix NA7.8.

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTO-02-E (Revised 08/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 2 of 3)
Project Name: STO□EBRIDGE COMM□□ITY CH□RCH	Date Prepared: 09 0□□2017

B. Mandatory Outdoor Lighting Control Schedule and Field Inspection Checklist

Outdoor Lighting Control Schedule 01	02	03	Standards Complying With (✓ all that apply, or leave empty if Exempted) 04	05	06	07	08	09	✓ Test Performed 10	Field Inspector 11	
Location and Application of Luminaires Being Controlled	Type/ Description of Lighting Control (i.e. outdoor motion sensor, outdoor photocontrol, outdoor astronomical time-switch control, automatic scheduling control, part-night outdoor lighting control)	# of Units	§130.1(a)	§130.2(c)1	§130.2(c)2	§130.2(c)3	§130.2(c)4	§130.2(c)5		Pass	Fail
DRIVEWAY □PAR□I□G LIGHTI□G	O□TDOOR ASTRO□OMICAL TMESWITCH	1	✓	✓	✓	-	-	-	☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTO-02-E (Revised 08/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 3 of 3)
Project Name: STO□EBRIDGE COMM□□ITY CH□RCH	Date Prepared: 09 0□□2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: G□ILLERMO PECSO□	Documentation Author Signature:
Company: DS□A CO□S□LTI□G E□GI□EERS	Signature Date: 09 0□□2017
Address: 10811 WASHI□GTO□ BLVD., S□ITE 374	CEA Certification Identification (if applicable):
City/State/Zip: C□LVER CITY, CA 90232	Phone: (310) 384-2594

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: G□ILLERMO PECSO□	Responsible Designer Signature:
Company: DS□A CO□S□LTI□G E□GI□EERS	Date Signed: 09 0□□2017
Address: 10811 WASHI□GTO□ BLVD., S□ITE 374	License: E-18048
City/State/Zip: C□LVER CITY, CA 90232	Phone: (310) 384-2594

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-NRCC-LTO-03-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 1 of 4)
Project Name: STO□EBRIDGE COMM□□ITY CH□RCH	Date Prepared: 09 0□□2017

A. OUTDOOR LIGHTING POWER ALLOWANCE SUMMARY

1. General Hardscape Lighting Power Allowance (Site Total from Section B of NRCC-LTO-03-E)	1.
2. Additional Specific "use it or lose it" Lighting Power Allowances listed in each of these cells shall be identical to total allowed watts determined in Section C-1 to C-4 of NRCC-LTO-03-E.	

PER APPLICATION from Section C-1	+	PER UNIT LENGTH (SALES FRONTAGE) from Section C-2	+	PER HARDSCAPE AREA (ORNAMENTAL LIGHTING) from Section C-3	+	PER SPECIFIC AREA from Section C-4.	=	
								2.
3. Sum **Total ALLOWED** Outdoor Lighting Wattage (add rows 1 and 2)								3.

B. GENERAL HARDSCAPE LIGHTING POWER ALLOWANCE FROM TABLE 140.7-A

Area Wattage Allowance (AWA) 01	02	03	04	Linear Wattage Allowance (LWA) 05	06	07	Initial Wattage Allowance (IWA) 08	Total General Hardscape Lighting Allowance 09
Name of Area	Illuminated Hardscape Area	AWA Per Square Foot	AWA (B02 x B03)	Perimeter Length of General Hardscape	LPA per Linear Foot	LWA (B05 x B06)	IWA (Watts)	B04 + B07 + B08
DRIVEWAY, PAR□I□G	120,5□0	0.040	4,822	2,183	0.35	7□4	520	□10□
							TOTAL	

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-NRCC-LTO-03-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 2 of 4)
Project Name: STO□EBRIDGE COMM□□ITY CH□RCH	Date Prepared: 09 0□□2017

C. ADDITIONAL "USE IT OR LOSE IT" OUTDOOR LIGHTING POWER ALLOWANCES FOR SPECIFIC APPLICATIONS

☐ The additional specific outdoor lighting power allowance shall be the smaller of the allowed lighting power or the actual lighting power used.
☐ Use Outdoor Lighting Zone (OLZ) that is documented on page 1 of NRCC-LTO-01-E to calculate the specific wattage allowances.

C-1. WATTAGE ALLOWANCE PER APPLICATION – Table 140.7-B

☐ Available only for qualifying locations, which include Building Entrances or Exits; Primary Entrances to Senior Care Facilities, Police Stations, Hospitals, Fire Stations, and Emergency Vehicle Facilities; Drive Up Windows; Vehicle Service Station Uncovered Fuel Dispenser, ATM Machine Lighting
☐ If more than one luminaire type is used per location, use multiple rows for that location

01	02	03	04	05	06	07	08	09	10
	ALLOTTED WATTS			DESIGN WATTS					
Name of Location for Which Allowance is Claimed	Number of Qualifying Locations	Wattage Allowance per Qualifying Location	Allotted Watts (02 x 03)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (07 x 08)	Allowed Watts (smaller of 04 or 09)
□A									
								Sum total allowance per application on this site:	

C-2. WATTAGE ALLOWANCE PER UNIT LENGTH (Sales Frontage) from Table 140.7-B

☐ If more than one luminaire type is used per location, use multiple rows for that location

01	02	03	04	05	06	07	08	09	10
	ALLOTTED WATTS			DESIGN WATTS					
Name of Location for Which Allowance is Claimed	Linear Feet of Sales Frontage	Wattage Allowance per Linear Foot	Allotted Watts (02 x 03)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (07 x 08)	Allowed Watts (smaller of 04 or 09)
□A									
								Sum total allowance for sales frontage on the site:	

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

▷	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER — DERMO PECSO — E-18048 — EXP. 6-30-19 — ELECTRICAL — STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
TITLE 24 FORMS - OUTDOOR LIGHTING

RP PROJECT NUMBER
16 - 299

SCALE
NO SCALE

DRAWING NUMBER
E6.1

COPYRIGHT 2014 RISEPOINTE. ALL RIGHTS RESERVED. USE BY WRITTEN PERMISSION ONLY

PLAN CHECK CORRECTIONS 9/06/2017

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-NRCC-LTO-03-E (Revised 01/18) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 3 of 4)
Project Name: STO::EBRIDGE COMM::::ITY CH::RCH	Date Prepared: 09:0::2017

C-3. WATTAGE ALLOWANCE PER SQUARE FOOT OF HARDSCAPE AREA (Ornamental Lighting) – Table 140.7-B

- Allowance for the total site illuminated hardscape area. Luminaires qualifying for this allowance shall be rated for 100 watts or less as determined in accordance with Section 130.0(c), and shall be post-top luminaires, lanterns, pendant luminaires, or chandeliers.
- If more than one luminaire type is used per location, use multiple rows for that location

01	02	03	04	05	06	07	08	09	10
	ALLOTTED WATTS			DESIGN WATTS					
Name of area for which ornamental allowance is claimed	Square Feet of Hardscape	Wattage Allowance per Square Foot	Allotted Watts (02 x 03)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (07 x 08)	Allowed Watts (smaller of 04 or 09)
□A									
Sum total allowance for ornamental lighting on the site:									

C-4. WATTAGE ALLOWANCE PER SQUARE FOOT OF SPECIFIC AREA - Table 140.7-B

- Allowances for Building Facades; Outdoor Sales Lots; Vehicle Service Station Hardscape; Vehicle Service Station Canopies; Sales Canopies; Non-sales Canopies; Tunnels; Guard Stations; Student Pick-up/Drop-off zone: Outdoor Dining; Special Security Lighting for Retail Parking and Pedestrian Hardscape.
- If more than one luminaire type is used per location, use multiple rows for that location

01	02	03	04	05	06	07	08	09	10
	ALLOTTED WATTS			DESIGN WATTS					
Name of Location for Which Allowance is Claimed	Illuminated Area of Application	Wattage Allowance per Square Foot	Allotted Watts (02 x 03)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (07 x 08)	Allowed Watts (smaller of 04 or 09)
□A									
Sum total allowance for specific area on the site:									

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance — January 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
CEC-NRCC-LTO-03-E (Revised 01/18) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 4 of 4)
Project Name: STO::EBRIDGE COMM::::ITY CH::RCH	Date Prepared: 09:0::2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation author Name: G::ILLERMO PECSO::	Documentation Author Signature:
Company: DS::A CO::S::LTI::G E::GI::EERS	Signature Date: 09:0::2017
Address: 10811 WASHI::GTO:: BLVD., S::ITE 374	CEA Certification Identification (if applicable):
City/State/Zip: C::LVER CITY, CA 90232	Phone: (310) 384-2594

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: G::ILLERMO PECSO::	Responsible Designer Signature:
Company: DS::A CO::S::LTI::G E::GI::EERS	Date Signed: 09:0::2017
Address: 10811 WASHI::GTO:: BLVD., S::ITE 374	License: E-18048
City/State/Zip: C::LVER CITY, CA 90232	Phone: (310) 384-2594

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance — January 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING EXISTING CONDITIONS
CEC-NRCC-LTO-04-E (Revised 01/18) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-04-E
Outdoor Lighting Existing Conditions	(Page 1 of 3)
Project Name: STO::EBRIDGE COMM::::ITY CH::RCH	Date Prepared: 09:0::2017

A. General Information

Project Address:

1. Sum total of original, existing luminaires in the hardscape area =	41	2. Sum total of luminaires being added or altered =	41	3. Percentage of existing luminaires being altered ((Box 2 / Box 1) x 100%) =	100

Note(s):
If the alteration increases the total connected lighting load, STOP. Projects that increase the connected lighting load must use 2016-NRCC-LTO-03 to determine the lighting power allowance, and do NOT use this form.

If the total number of added or altered luminaires is less than five (5), or less than 10% of the existing luminaires, STOP. Outdoor lighting projects modifying less than five luminaires, or less than 10% of the existing luminaires, do not require compliance documentation (NRCC-LTO compliance documents) provided that they do not increase the total connected load.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance — April 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING EXISTING CONDITIONS
CEC-NRCC-LTO-04-E (Revised 04/18) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-04-E
Outdoor Lighting Existing Conditions	(Page 2 of 3)
Project Name: STO::EBRIDGE COMM::::ITY CH::RCH	Date Prepared: 09:0::2017

B. Existing Luminaire Schedule

Name of the space with the alteration:

01	02	03	04		05	06
			How Wattage was Determined			
Name or Item Tag	Luminaire Description	Wattage per Luminaire	CEC default from NA8	According to §130.0(c)	Quantity of Luminaires	Total Wattage (Quantity x Wattage per Luminaire) (Cell 03 x Cell 05)
L1	POLE MO::::TED ::I::T::RE, 250W METAL HALIDE	250	☑	□	41	10,250
			□	□		
			□	□		
			□	□	

STATE OF CALIFORNIA

Electrical Power Distribution

CEC-NRCC-ELC-01-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	Page 1 of 4
Project Name: STO□EBRIDGE COMM□□ITY CH□RCH	Date Prepared: 09 □0□ 2017

General Information

Project Address: 4832 COCHRA□ STREET, SIMI VALLEY, CA 930□3		Climate Zone: 0□	Conditioned Floor Area : □403 S□
			Unconditioned Floor Area : -
Building Type:	☑ Nonresidential	☐ High-Rise Residential	☐ Hotel/Motel
☐ Schools	☐ Relocatable Public Schools	☑ Conditioned Spaces	☐ Unconditioned Spaces
Phase of Construction:	☑ New Construction	☐ Addition	☐ Alteration

In the table below identify all applicable construction documents that specify the requirements for the scope of responsibility reported by this certificate. Use additional pages as needed to list all construction documents related to compliance of Section 130.5.

Document Number	Document Title/Descriptions (include description information for Table or Schedule if it contains compliance information)	Document Sheet # or Page #	Indicate which subsection of Section 130.5 is related to the document (e.g. 130.5(a) for service electrical metering)

A. Service Electrical Metering

Check one of the three boxes below if the electrical power distribution system is in compliance with Section 130.5(a).

☑ For newly installed electrical service in newly constructed buildings, Service Electrical Metering is required according to Section 130.5(a). *Fill out Column 1 through 6 of table below.*

☐ For new or replacement electrical service equipment in existing buildings, Service Electrical Metering is required according to Section 141.0(b)2Pi. *Fill out Column 1 through 6 of table below.*

☐ EXCEPTION to Electrical Service Metering: Service or feeder for which the utility company provides a metering system that indicates instantaneous kW demand and kWh for a utility-defined period. *Fill out Column 1, 2 and 6 of table below with the compliance information.*

Fill out a separate line for each electrical service that is connected to the building.

Electrical Service Schedule	Electrical Service Rating	Metering Capabilities (check all that are present)				Exception to 130.5 (a)	Field Inspector
01	02	03	04	05	06	07	08
Electrical Service Designation/ Location/Description	kVA	Instantaneous (at the time) kW	Historical peak (kW)	Tracking kWh for a user-definable period	kWh per rate period	Utility metering system	Check that the metering complies
MAI□ SWITCHBOARD "MSB"	288	☑	☐	☐	☐	☐	☐

STATE OF CALIFORNIA

Electrical Power Distribution

CEC-NRCC-ELC-01-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	Page 2 of 4
Project Name: STO□EBRIDGE COMM□□ITY CH□RCH	Date Prepared: 09 □0□ 2017

B. Separation of Electrical Circuits for Electrical Energy Monitoring

Check all boxes below if the electrical power distribution system is in compliance with Section 130.5(b).

☐ The electrical power distribution system meets the separation of electrical circuits for electrical energy monitoring requirement of Section 130.5(b). The electrical power distribution systems is designed so that measurement devices can monitor the electrical energy usage of load types according to TABLE 130.5-B.

☐ Describe the electrical power distribution system installed and the compliance method chosen in meeting the requirement of Section 130.5(b). Use the space below to include the information. Examples of compliance methods are detailed in Nonresidential Compliance Manual Chapter 8.

Fill out Column 1 thru 3 with the compliance information.

General Information	Electrical Power Distribution System information and Method of compliance	Electrical Service Rating	Enforcement Agency
01	02	03	04
Electrical Service Designation/Location/Description	Describe the electrical power distribution system installed and the compliance method used	kVA	Check that the system complies
MAI□ SWITCHBOARD "MSB"□ ELECTRICAL ROOM	MAI□ SWITCHBOARD "MSB"SCE □TILITY COMPLIA□CE	288	☐

Field Inspector Notes:

STATE OF CALIFORNIA

Electrical Power Distribution

CEC-NRCC-ELC-01-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	Page 3 of 4
Project Name: STO□EBRIDGE COMM□□ITY CH□RCH	Date Prepared: 09 □0□ 2017

C. Voltage Drop

Check all boxes below if he electrical power distribution system is in compliance with Section 130.5(c).

	Enforcement Agency Check that the system complies
☐ The electrical power distribution system meets the voltage drop requirement of Section 130.5(c). The maximum combined voltage drop on feeder conductors and branch circuit conductors to the farthest connected load or outlet, do not exceed 5%.	☐
☐ Voltage drop calculation documents showing compliance to Section 130.5(c) are submitted as part of the compliance document submittal.	☐

D. Circuit Controls for 120-Volt Receptacles and Controlled Receptacles

Check one or more boxes below for applicable requirements of Section 130.5(d) for the electrical power distribution system.

	Field Inspector Check that the system complies
☐ The control is capable of automatically shutting OFF the controlled receptacles when the space is typically unoccupied, either at the receptacle or circuit level. For the automatic time switch control, it incorporates an override control that allows the controlled receptacle to remain ON for no more than 2 hours when an override is initiated and an automatic holiday "shut-OFF" feature that turns OFF all loads for at least 24 hours and then resumes the normally scheduled operation. Countdown timer switches are not be used to comply with the automatic time switch control requirements. The controls meet the requirement of Section 130.5(d)1.	☐
☐ There is at least one controlled receptacle within 6 ft from each uncontrolled receptacle. Where receptacles are installed in modular furniture in open office area, at least one controlled receptacle is installed at each workstation. The receptacles meet the requirement of Section 130.5(d)2.	☐
☐ There are installed split wired receptacles with at least one controlled and one uncontrolled receptacle. Where receptacles are installed in modular furniture in open office area, at least one controlled receptacle is installed at each workstation. The receptacles meet the requirement of Section 130.5(d)2.	☐
☐ Permanent and durable marking for controlled receptacles or circuits to differentiate them from uncontrolled receptacles or circuits is provided. The markings meet the requirement of Section 130.5(d)3.	☐
☐ For hotel and motel guest rooms, there are controlled receptacles for at least one-half of the 120-volt receptacles in each guest room. Electric circuits serving controlled receptacles in guestrooms are installed to have captive key controls, occupancy sensing controls, or automatic controls so the power is switched off no longer than 30 minutes after the guest room has been vacated. The receptacles meet the requirement of Section 130.5(d)4.	☐
☐ Receptacles that are only for the following purposes are excepted from Section 130.5(d): - Receptacles specifically for refrigerators and water dispensers in kitchen areas. - Receptacles located a minimum of six ft above the floor that are specifically for clocks. - Receptacles for network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms. - Receptacles on circuits rated more than 20 amperes. - Receptacles connected to an uninterruptible power supply (UPS) that are intended to be in continuous use, 24 hours per day/365 days per year, and are marked to differentiate them from other uncontrolled receptacles or circuits.	☐

STATE OF CALIFORNIA

Electrical Power Distribution

CEC-NRCC-ELC-01-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	Page 4 of 4
Project Name: STO□EBRIDGE COMM□□ITY CH□RCH	Date Prepared: 09 □0□ 2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: G□ILLERMO PECSO□.	Documentation Author Signature:
Company: DS□A CO□S□LTI□G E□GI□EERS	Signature Date: 09 □0□ 2017
Address: 10811 WASHI□GTO□ BLVD., S□ITE 374	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: C□LVER CITY, CA 90232	Phone: (310) 384-2594

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: G□ILLERMO PECSO□.	Responsible Designer Signature:
Company : DS□A CO□S□LTI□G E□GI□EERS	Date Signed: 09 □0□ 2017
Address: 10811 WASHI□GTO□ BLVD., S□ITE 374	License: E-18048
City/State/Zip: C□LVER CITY, CA 90232	Phone: (310) 384-2594

DS&A Consulting Engineers
Mechanical, Electrical, Plumbing Consulting Engineers
10811 Washington Blvd., Suite 374
Culver City, CA. 90232
Tel: (310) 384-2594
Email: dennis@dsaelectric.net

ISSUE
PLAN CHECK SET - JUNE 23, 2017

REVISION HISTORY

▷	REV 1	PC SET 09/06/2017

STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN STREET
SIMI VALLEY, CA 93063

RISEPOINTE
VISION | EXECUTED
1520 N 82ND STREET
SEATTLE WA 98103
P 224.587.6397 | F 847.387.5508

REGISTERED PROFESSIONAL ENGINEER
DENNIS R. MOSCOSO
E-18048
EXP. 6-30-19
ELECTRICAL
STATE OF CALIFORNIA

PROJECT NAME
STONEBRIDGE COMMUNITY CHURCH
4832 COCHRAN ST
SIMI VALLEY CA 93063

DRAWING NAME
TITLE 24 FORMS
- ELECTRICAL DISTRIBUTION

RP PROJECT NUMBER
16 - 299

SCALE
NO SCALE

DRAWING NUMBER
E6.2

COPYRIGHT 2014 RISEPOINTE ALL RIGHTS RESERVED. USE BY WRITTEN PERMISSION ONLY

PLAN CHECK CORRECTIONS 9/06/2017