VOLTAGE 120/208 3ø, 4W.
BUS AMPS 225
MAIN BREAKER ☐ A.F. ____ A.T.
LUGS ONLY ☒

PANEL "PA"

LOCATION ELECTRICAL ROOM
TOP FEED ☐ SURFACE MTG.☒
BOTTOM FEED ☒ FLUSH MTG. ☐
REMARKS ____

| DESCRIPTION | VOLT–AMPS A | B | C | LCL | OUTLETS L | R | M | CB | CKT | BUS A | B | C | CKT | CB | OUTLETS L | R | M | LCL | VOLT–AMPS A | B | C | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPACE | | | | | | | | | 1 | | | | 2 | | | | | | | | | SPACE |
| | | | | | | | | | 3 | | | | 4 | | | | | | | | | |
| | | | | | | | | | 5 | | | | 6 | | | | | | | | | |
| | | | | | | | | | 7 | | | | 8 | | | | | | | | | |
| | | | | | | | | | 9 | | | | 10 | | | | | | | | | |
| | | | | | | | | | 11 | | | | 12 | | | | | | | | | |
| | | | | | | | | | 13 | | | | 14 | | | | | | | | | |
| | | | | | | | | | 15 | | | | 16 | | | | | | | | | |
| | | | | | | | | | 17 | | | | 18 | | | | | | | | | |
| | | | | | | | | | 19 | | | | 20 | | | | | | | | | |
| | | | | | | | | | 21 | | | | 22 | | | | | | | | | |
| | | | | | | | | | 23 | | | | 24 | | | | | | | | | |
| | | | | | | | | | 25 | | | | 26 | | | | | | | | | |
| | | | | • | | | | 20A–1P | 27 | | | | 28 | 20A–1P | | | | • | | 300 | | LIGHTING |
| | | | | • | | | | | 29 | | | | 30 | ↑ | | | | • | | | 1200 | ↑ |
| | | | | | | | | | 31 | | | | 32 | 50A | | | | | 5000 | | | TRASFORMER "T1" |
| | | | | | | | | | 33 | | | | 34 | 3P | | | | | | 5000 | | – |
| | | | | | | | | | 35 | | | | 36 | – | | | | | | | 5000 | – |
| | | | | | | | | | 37 | | | | 38 | | | | | | | | | SPACE |
| | | | | | | | | | 39 | | | | 40 | | | | | | | | | |
| | | | | | | | | | 41 | | | | 42 | | | | | | | | | |
| SUB TOTALS | 0 | 0 | 0 | | | | | | | | | | | | | | | | 5000 | 5300 | 6200 | SUB TOTALS |

CONN. PHASE TOTAL: A 5000 B 5300 C 6200 ; CONN. PANEL TOTAL 16500 VA; MAX. CONN. LINE CURRENT 52 AMPS

(KVA) PANEL TOTAL 16.50 + L.C.L. (1.25%) 0.38 = 16.88 KVA; BALANCED CURRENT 47 AMPS; DESIGN LOAD ____ KVA

VOLTAGE 120/208 3ø, 4W.
BUS AMPS 100
MAIN BREAKER ☐ A.F. ____ A.T.
LUGS ONLY ☒

PANEL "DB"

LOCATION EQUIPMENT ROOM
TOP FEED ☐ SURFACE MTG.☒
BOTTOM FEED ☒ FLUSH MTG. ☐
REMARKS ____

| DESCRIPTION | VOLT–AMPS A | B | C | LCL | OUTLETS L | R | M | CB | CKT | BUS A | B | C | CKT | CB | OUTLETS L | R | M | LCL | VOLT–AMPS A | B | C | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LIGHTING | 1500 | | | • | | | | 20A–1P | 1 | | | | 2 | 20A–1P | | | | • | 1500 | | | LIGHTING |
| | | 1500 | | • | | | | | 3 | | | | 4 | | | | | • | | 1500 | | |
| | | | 1500 | • | | | | | 5 | | | | 6 | | | | | • | | | 1500 | |
| | 1500 | | | • | | | | | 7 | | | | 8 | | | | | • | 1500 | | | |
| | | 1500 | | • | | | | | 9 | | | | 10 | | | | | • | | 1500 | | |
| SPACE | | | | | | | | | 11 | | | | 12 | | | | | | | | | SPACE |
| | | | | | | | | | 13 | | | | 14 | | | | | | | | | |
| | | | | | | | | | 15 | | | | 16 | | | | | | | | | |
| | | | | | | | | | 17 | | | | 18 | | | | | | | | | |
| | | | | | | | | | 19 | | | | 20 | | | | | | | | | |
| | | | | | | | | | 21 | | | | 22 | | | | | | | | | |
| | | | | | | | | | 23 | | | | 24 | | | | | | | | | |
| | | | | | | | | | 25 | | | | 26 | | | | | | | | | |
| | | | | | | | | | 27 | | | | 28 | | | | | | | | | |
| | | | | | | | | | 29 | | | | 30 | | | | | | | | | |
| | | | | | | | | | 31 | | | | 32 | | | | | | | | | |
| | | | | | | | | | 33 | | | | 34 | | | | | | | | | |
| | | | | | | | | | 35 | | | | 36 | | | | | | | | | |
| | | | | | | | | | 37 | | | | 38 | | | | | | | | | |
| | | | | | | | | | 39 | | | | 40 | | | | | | | | | |
| | | | | | | | | | 41 | | | | 42 | | | | | | | | | |
| SUB TOTALS | 3000 | 3000 | 1500 | | | | | | | | | | | | | | | | 3000 | 3000 | 1500 | SUB TOTALS |

CONN. PHASE TOTAL: A 6000 B 6000 C 3000 ; CONN. PANEL TOTAL 15000 VA; MAX. CONN. LINE CURRENT 50 AMPS

(KVA) PANEL TOTAL 15.00 + L.C.L. (1.25%) 3.75 = 18.75 KVA; BALANCED CURRENT 52 AMPS; DESIGN LOAD ____ KVA

VOLTAGE 120/280 3ø, 4W.
BUS AMPS 100
MAIN BREAKER ☒ 100 A.F. 50 A.T.
LUGS ONLY ☐

PANEL "IS"

LOCATION ELECTRICAL ROOM
TOP FEED ☐ SURFACE MTG.☐
BOTTOM FEED ☒ FLUSH MTG. ☒
REMARKS ____

| DESCRIPTION | VOLT–AMPS A | B | C | LCL | OUTLETS L | R | M | CB | CKT | BUS A | B | C | CKT | CB | OUTLETS L | R | M | LCL | VOLT–AMPS A | B | C | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CONTROL ROOM | 1200 | | | | | | | 20A–1P | 1 | | | | 2 | 20A–1P | | | | | 1200 | | | RECEPTACLE |
| | | 1200 | | | | | | | 3 | | | | 4 | | | | | | | 1200 | | |
| | | | 1200 | | | | | | 5 | | | | 6 | | | | | | | | 1200 | EQUIP. ROOM |
| SPACE | | | | | | | | | 7 | | | | 8 | | | | | | 1200 | | | |
| | | | | | | | | | 9 | | | | 10 | | | | | | | 1200 | | PROJECTOR |
| | | | | | | | | | 11 | | | | 12 | | | | | | | | 1200 | |
| | | | | | | | | | 13 | | | | 14 | | | | | | | | | SPACE |
| | | | | | | | | | 15 | | | | 16 | | | | | | | | | |
| | | | | | | | | | 17 | | | | 18 | | | | | | | | | |
| | | | | | | | | | 19 | | | | 20 | | | | | | | | | |
| | | | | | | | | | 21 | | | | 22 | | | | | | | | | |
| | | | | | | | | | 23 | | | | 24 | | | | | | | | | |
| | | | | | | | | | 25 | | | | 26 | | | | | | | | | |
| | | | | | | | | | 27 | | | | 28 | | | | | | | | | |
| | | | | | | | | | 29 | | | | 30 | | | | | | | | | |
| | | | | | | | | | 31 | | | | 32 | | | | | | | | | |
| | | | | | | | | | 33 | | | | 34 | | | | | | | | | |
| | | | | | | | | | 35 | | | | 36 | | | | | | | | | |
| | | | | | | | | | 37 | | | | 38 | | | | | | | | | |
| | | | | | | | | | 39 | | | | 40 | | | | | | | | | |
| | | | | | | | | | 41 | | | | 42 | | | | | | | | | |
| SUB TOTALS | 1200 | 1200 | 1200 | | | | | | | | | | | | | | | | 2400 | 2400 | 2400 | SUB TOTALS |

CONN. PHASE TOTAL: A 3600 B 3600 C 3600 ; CONN. PANEL TOTAL 10800 VA; MAX. CONN. LINE CURRENT 30 AMPS

(KVA) PANEL TOTAL 10.80 + L.C.L. (1.25%) 0.00 = 10.80 KVA; BALANCED CURRENT 22 AMPS; DESIGN LOAD ____ KVA

VOLTAGE 120/208 3ø, 4W.
BUS AMPS 225
MAIN BREAKER ☐ A.F. ____ A.T.
LUGS ONLY ☒

PANEL "PB"

LOCATION EQUIPMENT ROOM
TOP FEED ☐ SURFACE MTG.☐
BOTTOM FEED ☒ FLUSH MTG. ☒
REMARKS ____

| DESCRIPTION | VOLT–AMPS A | B | C | LCL | OUTLETS L | R | M | CB | CKT | BUS A | B | C | CKT | CB | OUTLETS L | R | M | LCL | VOLT–AMPS A | B | C | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SPARE | | | | | | | | 20A–1P | 1 | | | | 2 | 20A–1P | | | | | | | | |
| | | | | | | | | | 3 | | | | 4 | | | | | | | | | |
| | | | | | | | | | 5 | | | | 6 | | | | | | | | | |
| | | | | | | | | | 7 | | | | 8 | | | | | | | | | |
| | | | | | | | | | 9 | | | | 10 | | | | | | | | | |
| | | | | | | | | | 11 | | | | 12 | | | | | | | | | |
| | | | | | | | | | 13 | | | | 14 | | | | | | | | | |
| | | | | | | | | | 15 | | | | 16 | ↑ | | | | | | | | |
| | | | | | | | | | 17 | | | | 18 | 100A | | | | | | | 5550 | DIMMING PANEL "DA" |
| | | | | | | | | | 19 | | | | 20 | 3P | | | | | 5700 | | | – |
| | | | | | | | | | 21 | | | | 22 | – | | | | | | 4050 | | – |
| | | | | | | | | | 23 | | | | 24 | 100A | | | | | | | 6000 | DIMMING PANEL "DB" |
| | | | | | | | | | 25 | | | | 26 | 3P | | | | | 6000 | | | – |
| | | | | | | | | | 27 | | | | 28 | – | | | | | | 3000 | | – |
| | | | | | | | | | 29 | | | | 30 | 20A–1P | | | | • | | | 1000 | EM. LIGHTING |
| | | | | | | | | | 31 | | | | 32 | | | | | | | | | |
| | | | | | | | | | 33 | | | | 34 | | | | | | | | | |
| | | | | | | | | | 35 | | | | 36 | | | | | | | | | |
| | | | | | | | | | 37 | | | | 38 | | | | | | | | | |
| | | | | | | | | | 39 | | | | 40 | | | | | | | | | |
| | | | | | | | | | 41 | | | | 42 | | | | | | | | | |
| SUB TOTALS | 0 | 0 | 0 | | | | | | | | | | | | | | | | 11700 | 7050 | 12550 | SUB TOTALS |

CONN. PHASE TOTAL: A 11700 B 7050 C 12550 ; CONN. PANEL TOTAL 31300 VA; MAX. CONN. LINE CURRENT 105 AMPS

(KVA) PANEL TOTAL 31.30 + L.C.L. (1.25%) 0.25 = 31.55 KVA; BALANCED CURRENT 88 AMPS; DESIGN LOAD ____ KVA

VOLTAGE 120/208 3ø, 4W.
BUS AMPS 100
MAIN BREAKER ☐ A.F. ____ A.T.
LUGS ONLY ☒

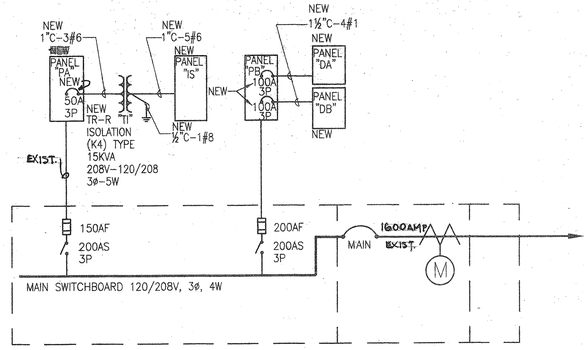
PANEL "DA"

LOCATION EQUIPMENT ROOM
TOP FEED ☐ SURFACE MTG.☒
BOTTOM FEED ☒ FLUSH MTG. ☐
REMARKS ____

| DESCRIPTION | VOLT–AMPS A | B | C | LCL | OUTLETS L | R | M | CB | CKT | BUS A | B | C | CKT | CB | OUTLETS L | R | M | LCL | VOLT–AMPS A | B | C | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LIGHTING | 1800 | | | • | | | | 20A–1P | 1 | | | | 2 | 20A–1P | | | | • | 1650 | | | LIGHTING |
| | | 1200 | | • | | | | | 3 | | | | 4 | | | | | • | | 1800 | | |
| | | | 1800 | • | | | | | 5 | | | | 6 | | | | | • | | | 900 | |
| | 1200 | | | • | | | | | 7 | | | | 8 | | | | | • | 900 | | | |
| | | 1800 | | • | | | | | 9 | | | | 10 | | | | | • | | 900 | | |
| | | | 600 | • | | | | | 11 | | | | 12 | | | | | • | | | 750 | |
| | | | | | | | | | 13 | | | | 14 | | | | | | | | | |
| | | | | | | | | | 15 | | | | 16 | | | | | | | | | |
| | | | | | | | | | 17 | | | | 18 | | | | | | | | | |
| | | | | | | | | | 19 | | | | 20 | | | | | | | | | |
| | | | | | | | | | 21 | | | | 22 | | | | | | | | | |
| | | | | | | | | | 23 | | | | 24 | | | | | | | | | |
| | | | | | | | | | 25 | | | | 26 | | | | | | | | | |
| | | | | | | | | | 27 | | | | 28 | | | | | | | | | |
| | | | | | | | | | 29 | | | | 30 | | | | | | | | | |
| | | | | | | | | | 31 | | | | 32 | | | | | | | | | |
| | | | | | | | | | 33 | | | | 34 | | | | | | | | | |
| | | | | | | | | | 35 | | | | 36 | | | | | | | | | |
| | | | | | | | | | 37 | | | | 38 | | | | | | | | | |
| | | | | | | | | | 39 | | | | 40 | | | | | | | | | |
| | | | | | | | | | 41 | | | | 42 | | | | | | | | | |
| SUB TOTALS | 3000 | 3000 | 2400 | | | | | | | | | | | | | | | | 2550 | 2700 | 1650 | SUB TOTALS |

CONN. PHASE TOTAL: A 5550 B 5700 C 4050 ; CONN. PANEL TOTAL 15300 VA; MAX. CONN. LINE CURRENT 48 AMPS

(KVA) PANEL TOTAL 15.30 + L.C.L. (1.25%) 3.83 = 19.13 KVA; BALANCED CURRENT 53 AMPS; DESIGN LOAD ____ KVA




NOTE:

ALL EQUIPMENT SHOWN ON THIS DIAGRAM IS EXISTING U.O.N.

## PARTIAL SINGLE LINE DIAGRAM

Building Division
Community Development Department
City of Thousand Oaks
Approved
Electrical
BY ____
Date ____
This set of plans and specifications MUST be kept on the job site at all times and is subject to inspection by the authorized building officials named on the permit card. This set of plans and specifications shall be kept in its original form. Changes, additions or revisions may not be made to these plans except as noted in writing by the Building Official. Plans are subject to field inspection. Approval of these plans does not authorize the violation of any city ordinance or state law.

PROJECT:


Conejo Valley Church of Christ
2525 E Hillcrest Drive • Thousand Oaks • CA 91362
office: (805) 371-1361 • fax: (805) 371-1384


CONSULTANT:


donald f. dickerson associates
consulting mechanical & electrical engineers
2660 STEVENS ENVIRONMENTAL SUITE 101
VAN NUYS, CALIFORNIA 91411
FAX (818) 989-1699
e-mail: dfdassoc@aol.com
(310) 820-8048
(310) 377-1885
(818) 989-2699
AIA No. 20888


ENGINEER STAMP

REGISTERED PROFESSIONAL ENGINEER
JORGE L. ROJAS
No.E15380
Exp.6/ø/ 05
ELECTRICAL
STATE OF CALIFORNIA

REVISIONS:

| No. | Description | Date |
|---|---|---|
| 1 | ISSUE FOR PLAN CHECK | 07-26-02 |

SHEET INFO:

Sheet Title

PANEL SCHEDULES & PARTIAL SINGLE LINE DIAGRAM

Date: ____
Drawn By: ____
Checked By: ____

E-4

Sheet No.