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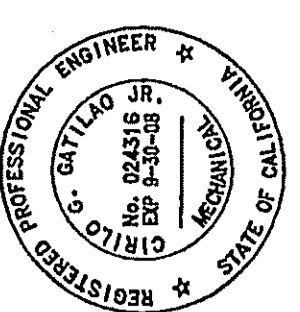
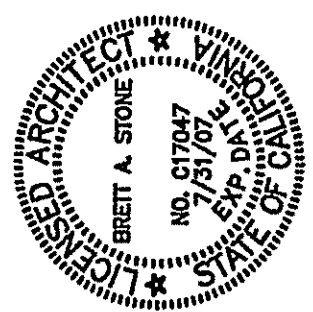
DESIGN/BUILD

CONSULTANT

**Brian R. Bloom**  
Architect

350 S. MILLIKEN AVE., Ste. G, Orange, CA 92668-7800  
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ARCHITECTURE AND PLANNING



**CEDEG**

CALIFORNIA ENGINEERING  
DESIGN GROUP, INC.  
2725 WEST BUREAU BLVD.  
BURBANK, CA 91505  
(818) 566-7755

PROJECT

CALVARY CHAPEL  
OF THE HIGH DESERT  
14740 EUCALYPTUS  
HESPERIA, CA  
92345

PROJECT

FELLOWSHIP HALL

ISSUANCES

OWNERS MEETING 03-08-04  
PLANNING REVIEW 06-01-06  
PLANNING SUBMITTAL 01-31-07  
FIRST PLAN CHECK 02-28-07

REVISIONS

REGISTER FROM  
PAGE 3 OF 25  
RECEIVED

TITLE  
**SECOND FLOOR PLAN**

SCALE

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6-27-06

JOB NO.

280106

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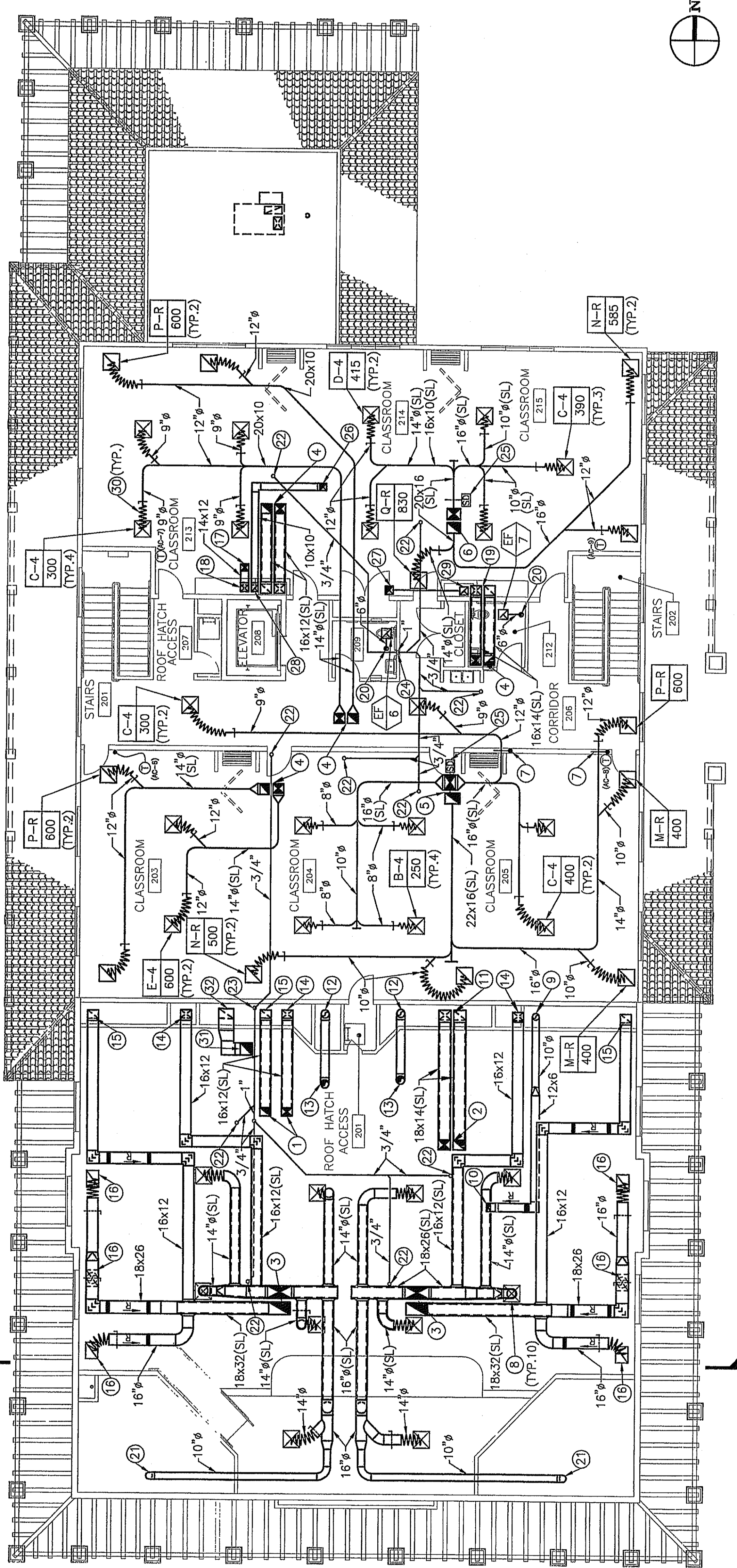
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**CONSTRUCTION NOTES:**

- 1 16x12(SL) SA & RA DUCT UP THRU ROOF AND CONNECT TO AC UNIT ON ROOF. PROVIDE TRANSITION AS REQUIRED.
- 2 18x14(SL) SA & RA DUCT UP THRU ROOF AND CONNECT TO AC UNIT ON ROOF. PROVIDE TRANSITION AS REQUIRED.
- 3 18x36(SL) SA & 18x32(SL) RA DUCT UP THRU ROOF AND CONNECT TO AC UNIT ON ROOF. PROVIDE TRANSITION AS REQUIRED.
- 4 16x14(SL) SA & RA DUCT UP THRU ROOF AND CONNECT TO AC UNIT ON ROOF. PROVIDE TRANSITION AS REQUIRED.
- 5 22x16(SL) SA & RA DUCT UP THRU ROOF AND CONNECT TO AC UNIT ON ROOF. PROVIDE TRANSITION AS REQUIRED.
- 6 20x16(SL) SA & RA DUCT UP THRU ROOF AND CONNECT TO AC UNIT ON ROOF. PROVIDE TRANSITION AS REQUIRED.
- 7 COMBINATION FIRE SMOKE DAMPER. SEE DETAIL W-30.
- 8 MODEL PRICE SMDA 18x18 CD-4, ADJUST FOR VERTICAL PATTERN. BALANCE FOR 745 CFM.
- 9 10" EXH AIR DUCT DN IN DUCT CHASE TO 1ST FLOOR.
- 10 12x6 EXH AIR DUCT UP THRU ROOF AND CONNECT TO EXHAUST FAN ON ROOF. PROVIDE TRANSITION AS REQUIRED.
- 11 18x14 SA & RA DUCT DN IN DUCT CHASE TO 1ST FLOOR.
- 12 12" EXH AIR DUCT DN IN DUCT CHASE TO 1ST FLOOR.
- 13 12" EXH AIR DUCT UP THRU ROOF AND CONNECT TO EXHAUST FAN ON ROOF. PROVIDE TRANSITION AS REQUIRED.
- 14 16x12 SA DUCT DN IN DUCT CHASE TO 1ST FLOOR.
- 15 16x12 RA DUCT DN IN DUCT CHASE TO 1ST FLOOR.
- 16 24x18 RAR, BALANCE FOR 1100 CFM.
- 17 14x12 MAKE-UP AIR DUCT UP THRU ROOF AND CONNECT TO GRAVITY VENT ON ROOF. PROVIDE TRANSITION AS REQUIRED.
- 18 14x12 MAKE-UP AIR DUCT DN IN DUCT CHASE TO 1ST FLOOR.
- 19 16x14 SA & RA DUCT DN IN DUCT CHASE TO 1ST FLOOR.
- 20 6" EXH AIR DUCT UP THRU ROOF AND CONNECT TO ROOF CAP ON ROOF. PROVIDE TRANSITION AS REQUIRED.
- 21 10" SA DUCT DN AND CONNECT TO CD. PROVIDE TRANSITION AS REQUIRED.
- 22 3/4" CONDENSATE DRAIN FROM ROOF AND RUN ABOVE CEILING WITH 1% MIN SLOPE.
- 23 1" CONDENSATE DRAIN DN IN DUCT CHASE TO 2ND FLOOR.
- 24 1" CONDENSATE DRAIN DN IN WALL AND CONNECT TO FIXED AIR GAP. SEE PLUMBING DRAWINGS.
- 25 DUCT SMOKE DETECTOR. LOCATE AT MAIN SUPPLY AIR DUCT.

- 26 10x10 EXH AIR DUCT UP THRU ROOF AND CONNECT TO EXHAUST FAN ON ROOF. PROVIDE TRANSITION AS REQUIRED.
- 27 12x12 EXH AIR DUCT UP THRU ROOF AND CONNECT TO EXHAUST FAN ON ROOF. PROVIDE TRANSITION AS REQUIRED.
- 28 10x10 EXH AIR DUCT DN IN DUCT CHASE TO 1ST FLOOR.
- 29 12x12 EXH AIR DUCT DN IN DUCT CHASE TO 1ST FLOOR.
- 30 FLEXIBLE DUCT. SEE DETAIL W-31.
- 31 18x18 RELIEF AIR DUCT UP THRU ROOF AND CONNECT TO GRAVITY VENT ON ROOF.
- 32 22x14 RELIEF AIR DUCT DN IN DUCT SHAFT TO 1ST FLOOR.

**CEILING DIFFUSER AND REGISTER SCHEDULE**

| DIFFUSER |            | REGISTER (DUCTED) |           | REGISTER (NON-DUCTED) |           |
|----------|------------|-------------------|-----------|-----------------------|-----------|
| SYMBOL   | C F M      | SYMBOL            | C F M     | SYMBOL                | C F M     |
| A-*      | 50 TO 185  | J-*               | 45 TO 215 | S-*                   | 40 TO 110 |
| B-*      | 190 TO 285 | K                 |           |                       |           |