



**1 FIRE ALARM PLAN**  
SCALE: 1/8" = 1' - 0"

**NOTE:**  
ALL EXISTING JUNCTION BOXES NOT USED AS A RESULT OF CR19 & CR20 CHANGES SHALL REMAIN IN PLACE. IN FINISHED AREA, PROVIDE BLANK COVER PLATES.

**SHEET NOTES:**

1. EXTEND SIX (6) 2" CONDUITS FROM TELE/DATA TERMINAL BOARD TO ACCESSIBLE CEILING SPACE OF CORRIDOR 12/12A.
2. PROVIDE TWO 1 1/2" CONDUITS (ONE FUTURE POWER, ONE FUTURE DATA) FROM VERTICAL RISER ELBOW TO ACCESSIBLE CEILING IN CORRIDOR 12/12A, TAG INDICATING ROOM SERVED.
3. PROVIDE SIX TOTAL DATA SERVICE FITTINGS WITHIN CLASSROOM. SERVICE FITTINGS SHALL ACCOMMODATE 2 EACH R45 DATA PLATES AND SHALL BE COMPATIBLE WITH INSTALLED DUCT SYSTEM. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION.
4. EXTEND EXISTING FLUSH IN-FLOOR DUCT TO WALL AS INDICATED.
5. 19" x 19" FREE STANDING FLOOR DATA RACK. ROUTE DATA HOMERUN CONDUITS TO CEILING SPACE OF OUTDOOR STORAGE ROOM #28.
6. WIREMOLD 4000 SERIES SURFACE MOUNTED COMBINATION POWER/DATA RACEWAY - PROVIDE DATA OUTLETS AS INDICATED. SEE NOTE #22 SHEET E2.1f.

**FIRE ALARM NOTES**

1. NEW FIRE ALARM HORNS SHALL SOUND THE STANDARD TEMPORAL CODE.
2. THE FIRE ALARM SYSTEM SHALL BE IN ACCORDANCE WITH THE CBC 1998 SECTION 305.9 AND CA ELECTRICAL CODE 1998.
3. ALL FIRE ALARM WIRE SHALL BE INSTALLED IN CONDUIT, MINIMUM SIZE 1/2" U.O.N.
4. END OF LINE RESISTORS SHALL BE LOCATED AT THE LAST ELECTRICALLY SUPERVISED DEVICE AS INDICATED ON THE DRAWINGS.
5. NEW PULL STATION SHALL BE MOUNTED AT +48" TO THE CENTERLINE OF THE DEVICE A.F.F.
6. STROBE LIGHTS SHALL BE MOUNTED AT +80" A.F.F. TO THE BOTTOM OF THE STROBE OR 6" BELOW CEILING TO THE TOP OF THE FIXTURE, WHICHEVER IS LOWER. ADDITIONALLY, THE DEVICE SHALL FLASH A MINIMUM OF 1 FLASH PER SECOND AND NOT TO EXCEED 2 FLASHES PER SECOND. THE DEVICE SHALL BE RATED AT A MINIMUM OF 15 CANDELLA.
7. ALL WIRE SHALL BE IN CONDUIT OR PPL RATED CABLE PROPERLY SECURED ABOVE CEILING. SIZE SHALL BE #12 THINW FOR DETECTION AND #12 THINW FOR SIGNALING OR AS NOTED.

**FIRE ALARM SYSTEM SCOPE OF WORK**

- A. PROVIDE AN FCI SIGNAL CONTROL PANEL FOR AN AUTOMATIC FIRE ALARM DETECTION SYSTEM WITH ADDRESSABLE SMOKE DETECTOR, PULL STATION, HEAT DETECTOR, AND MONITOR MODULES.
- B. PROVIDE STROBE, HORN/STROBE AND OUTSIDE HORNS AS NOTED ON DRAWINGS.
- C. SYSTEM IS AN FCI #1100 ADDRESSABLE CLASS B SYSTEM.
- D. AUDIBLE SOUND LEVEL SHALL BE AT LEAST 15 DB ABOVE THE AVERAGE AMBIENT SOUND LEVEL IN ALL OCCUPIABLE AREAS PER NFPA-72 SECTION 6-3.12.
- E. FIRE ALARM CONTRACTOR SHALL PROVIDE A CERTIFICATE OF COMPLETION AFTER ACCEPTANCE TEST NFPA 72 SECTION 1.7.2.1, FIGURE 1.7.2.1 TO USA (SHALL BE COMPLETED AND SIGNED).
- F. VISUAL DEVICES SHALL NOT EXCEED 2 FLASHES PER SECOND
- G. APPLICABLE CODES:  
CBC 1998, DEC 1998, CMC 1998, CFC 1998, STATE FIRE MARSHALL, TITLE 19, PUBLIC SAFETY NFPA 72, 1996 EDITION WITH CALIFORNIA AMENDMENTS.

**TYPE OF SYSTEM**

THIS IS AN ADDRESSABLE AUTOMATIC DETECTION SYSTEM CLASS B DETECTION CLASS B INITIATION WITH TEMPORAL PATTERN SOUNDING DEVICES

**NOTE:**

CONTRACTOR TO PROVIDE REVISED VOLTAGE CALCULATIONS FOR CIRCUIT E 2-A, REVISED BATTERY CALCULATIONS AND REVISED RISER DIAGRAM AND INCORPORATE CHANGES IN CHANGE REQUEST NO. 19 TO 10F. VOLTAGE DROP SHALL NOT EXCEED 10%, BATTERY CALCULATIONS SHALL NOT EXCEED DSA APPROVED PROJECT DOCUMENTS AS SHOWN ON SHEET E-304. ARCHITECT SHALL PROVIDE COPY FOR DSA FILES.

**LEGEND**

- 1-WIRE DETECTOR TYPE SMOKE DETECTOR
- 2-WIRE DETECTOR, 100' RISE OF THE SIGNAL
- 3-MANUAL FIRE ALARM PULL STATION, 4" X 4" X 1/2"
- 4-FIRE ALARM USE FORM/STROBE, 4" X 4" X 1/2", CAMELLA AS NOTED (15 DB MIN)
- 5-FIRE ALARM HORN, 4" X 4" X 1/2", W/ SHIMMED MOUNTING
- 6-FIRE ALARM HORN, 4" X 4" X 1/2", W/ SHIMMED MOUNTING
- 7-FIRE ALARM HORN, 4" X 4" X 1/2", W/ SHIMMED MOUNTING
- 8-FIRE ALARM HORN, 4" X 4" X 1/2", W/ SHIMMED MOUNTING
- 9-ELECTRICAL PANELBOARD
- 10-ELECTRICAL TRANSFORMER



NO.	DATE	REASON	BY
1	03/17/03	CR #19	FER
2	05/20/03	CR #20	FER

ISSUE FOR PROGRESS REVIEW



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STAMP:  
APPROVED  
DIV. OF THE STATE ARCHITECT  
A044 FLS. DP SS 6  
APPL. NO. 103529 DATE 6.16.03

APPL. NUMBER:  
**AS BUILTS**

SHEET TITLE:  
**ELECTRICAL FIRE ALARM PLAN, NOTES AND SYSTEM SCOPE**

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