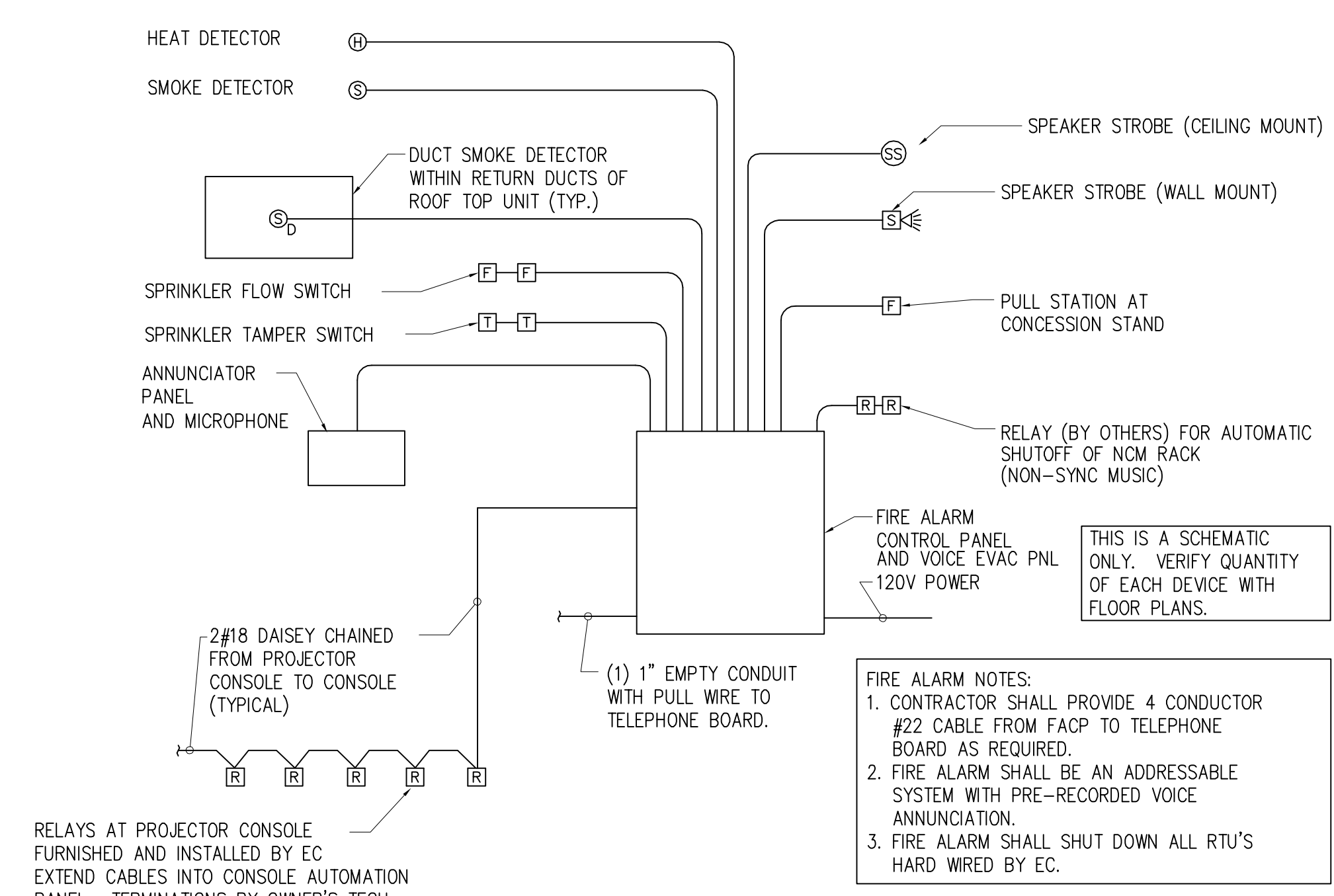


01 LOWER LEVEL - FIRE ALARM - PART B  
SCALE: 3/32"=1'-0"



11 FIRE ALARM RISER DIAGRAM  
SCALE: NOT TO SCALE

- FIRE ALARM:**
1. FIRE ALARM SPEAKER/STROBES SHALL BE MOUNTED AT 80" ABOVE THE HIGHEST FLOOR IN THE SPACE LEVEL OR 6" BELOW THE CEILING, WHICHEVER IS LOWER, (WHERE APPLICABLE).
  2. CONTRACTOR TO PROVIDE ELECTRICAL CONNECTION TO FIRE/SMOKE DAMPERS. VERIFY LOCATION AND QUANTITY WITH MECHANICAL CONTRACTOR. PROVIDE TRANSFORMERS AS REQUIRED.
  3. ALL SMOKE DETECTORS ARE TO BE BLACK IN BLACK CEILINGS AND WHITE IN WHITE CEILINGS.
  4. ALL SPEAKER/STROBES ARE RED, WALL MOUNTED.
  5. THERE ARE ON "SPEAKER" ONLY DEVICES.

NOTE: THIS SHEET IS FOR REFERENCE ONLY, A SEPARATE SHOP DRAWING SUBMITTAL, REVIEW, AND PERMIT IS REQUIRED FOR THE FIRE ALARM SYSTEM

**FIRE ALARM SYSTEM - GENERAL NOTES**

1. SYSTEM SHALL BE LIMITED ON NORMAL POWER WITH BATTERY BACK-UP. ALL COMPONENTS OF THE SYSTEM SHALL BE UL LISTED FOR FIRE ALARM, INCLUDING THE PA SYSTEM.
2. THE COMPLETE INSTALLATION SHALL CONFORM TO NFPA-72(A)(B)(C)(D)(E)(F), BOCA FIRE CODE, CODE REQUIREMENTS, NATIONAL ELECTRIC CODE, NFPA-101 & 90A, ADA AND THE REQUIREMENTS OF GOVERNING AUTHORITIES.
3. REFER TO THE SPECIFICATIONS FOR APPROVED MANUFACTURERS.
4. ALL SPEAKERS AND STROBE LIGHT WIRING TO BE #16 AWG MINIMUM TO SPLIT LOAD SERVED - ALL OTHER FIRE ALARM WIRE TO BE #16 AWG MINIMUM.
5. ALL WIRING TO BE IN CONDUIT, 1/2" MINIMUM OR USE PLENUM CABLE AS ALLOWED BY LOCAL AUTHORITIES.
6. DESIGN, FURNISH AND INSTALL A COMPLETE SYSTEM TO MEET THE REQUIREMENTS OF THE GOVERNING AUTHORITIES. SUBMIT FIRE ALARM SHOP DRAWINGS TO THE FIRE MARSHAL FOR APPROVAL. MIN. REQUIREMENTS SHALL BE AS FOLLOWS & AS SHOWN ON THE DRAWINGS:
  - A. VISUAL STROBE IN ALL AREAS (TO MEET ADA).
  - B. RETURN DUCT DETECTORS IN ALL RTUS
  - C. BATTERY BACK-UP, MULTI-ZONE, PUBLIC ADDRESS SYSTEM WITH TAPED MESSAGE.
  - D. AUTO-DIAL OUT & MONITORING.
  - E. PULL STATION(S) & SPEAKERS IN CONCESSION STAND AND BOX OFFICE.
  - F. PA SYSTEM VOLUME SHALL BE 20dB HIGHER THAN AMBIENT NOISE LEVEL.
  - G. HEAT & SMOKE DETECTORS AS REQUIRED BY LOCAL AUTHORITIES IN FULLY SPRINKLERED BUILDING.
  - H. STROBE SPEAKERS ARE SHOWN ON DRAWINGS. FINAL COUNT AND LOCATIONS ARE TO BE IN ACCORDANCE WITH ADA AND THE GOVERNING AUTHORITIES.
7. PROVIDE RELAYS AT EACH AUDITORIUM AUTOMATION PANEL TO SIGNAL (VIA DRY CLOSURE, N.O.) SHUTDOWN OF THE PROJECTION & SOUND SYSTEMS. REFER TO DIAGRAM ON SHEET E.6.1.
8. UPON ACTIVATION OF ANY INITIATING DEVICE, THE FOLLOWING SEQUENCE SHALL OCCUR:
  1. ILLUMINATE THE STROBES.
  2. SHUT DOWN THE PROJECTION & SOUND EQUIPMENT INCLUDING MUSIC.
  3. PLAY PRE-RECORDED EVACUATION MESSAGE.
  4. THE STROBE/SPEAKERS SHALL OPERATE WHEN THE FIRE ALARM SYSTEM IS ACTIVATED.
  5. THE SYSTEM SHALL BE MANUALLY RESET AFTER ALL DEVICES HAVE CLEARED.
  6. ALL LIGHTING COMES TO FULL BRIGHTNESS
  7. ALL GAME CIRCUITS SHUT OFF
  8. ALL RTUS SHUT OFF
  9. ALL EMERGENCY LIGHTING TO ENERGIZE UPON POWER LOSS
9. ALL DEVICES SHALL BE "INTELLIGENT" AND SHALL INDIVIDUALLY ADDRESSABLE, VIA DIGITAL SIGNAL.
10. THE FIRE ALARM PA SYSTEM FOR THE THEATRE SHALL BE ZONED AS ONE ZONE, OR AS REQUIRED, BY THE GOVERNING AUTHORITIES.
11. THE MICROPHONE SHALL BE LOCATED AT THE FIRE ALARM ANNUNCIATOR.
12. PROVIDE WATERPROOF HORN/STROBE AT THE FIRE DEPARTMENT CONNECTION, AND AT ANOTHER LOCATION AS REQUIRED BY LOCAL JURISDICTION.
13. COORDINATE CONNECTION OF TAMPER SWITCHES AND FLOW SWITCHES WITH THE SPRINKLER CONTRACTOR.
14. PROVIDE COMMUNICATIONS IN AREAS OF REFUGE PER LOCAL JURISDICTION.
15. THE ENTIRE FIRE ALARM SYSTEM IS A PERFORMANCE SPECIFICATION WITH THE MINIMUM REQUIREMENTS SHOWN IN THE DOCUMENTS. NO CHANGE ORDERS FOR FIRE ALARM ISSUES WILL BE CONSIDERED OR APPROVED.
16. IF THE AHJ REQUIRE PULL STATIONS, THEN PROVIDE COVER WITH LOCAL ALARM.
17. GLOBAL SHUT DOWN OF RTUS TO BE HARD WREID BY THE EC.



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REV.	DATE	PERMIT ISSUE	ISSUE
5/12/17		PERMIT ISSUE	
5/24/17		ISSUE FOR BID	

CINERGY AMARILLO

SHEET DESCRIPTION  
LOWER LEVEL FLOOR PLAN  
FIRE ALARM - PART B