18. Include all fees for filing approvals, and self certification of the complete booster power supplies shall be provided as necessary for strobe circuit draw and necessary monitoring devices so that the fire alarm system may monitor both types of detectors, each with an internal synchronized temporal alarm and fire alarm control panel in a fail-safe (fire function) position. Power to the manual stations shall be painted fire department red. All manual stations shall be provided with a remote LED.

Duct mounted smoke detectors shall be mounted on the ductwork in strict accordance with the manufacturer's instructions. All ceiling mounted devices must be securely fastened to building construction. All area or duct smoke detectors shall be photo-electric type.

All wiring shall be inspected to assure there are no opens, shorts or earth grounds. All wiring shall be clearly labeled in junction boxes and cabinets. All fire alarm wire shall be UL-1971 approved / listed. Centralized amplifiers (AMP RACKS) are not permitted on new systems).

Circuits for centralized amplifiers shall be run in a separate raceway (Note: separately. If powered separately (24VDC), power to the device shall also be provided through an approved terminal strip, approved wire nuts (approved temperature), or Scotchlok connections on an approved raceway. If powered from the fire alarm system, power shall be provided through an approved terminal strip, approved wire nuts (approved temperature), or Scotchlok connections on an approved raceway.

All remote fire alarm control cabinets (data gathering panels (DGP), TTBS etc.) shall be lockable. Lockable fused disconnect switch shall be painted fire department red. Low voltage fire alarm control cabinets shall not be painted red. No paint can be applied to cabinets unless specified by the building management.

All area circuit smoke detectors shall be photo-electric type. Before detectors must be reviewed to a minimum of 0.9 ohms per air register and one air register per 500 square feet.

Device locations must be readily accessible to allow for maintenance and repair. All auxiliary relays within the device shall be viewed on the circuit diagram. All auxiliary relays shall be reviewed with a licensed code inspector.

Manual stations shall be painted fire department red. All manual stations shall be individually tested prior to requesting inspection.

All fire alarm symbols shall be clearly visible. All fire alarm symbols shall be UL listed. All fire alarm symbols shall be UL approved. All fire alarm symbols shall be UL listed.

Cabinet, device, and wire labels. All connections shall be UL approved. Addressable CO or smoke/CO type device shall include separate CO and smoke detector. Auxiliary relay shall be monitored by the fire alarm system. All auxiliary relays shall be reviewed with a licensed code inspector.

All floor and fire rated wall penetrations shall be sealed. Sealant shall be "3M Fire Barrier Sealant". All floor and fire rated wall penetrations shall be sealed. Sealant shall be "3M Fire Barrier Sealant". All floor and fire rated wall penetrations shall be sealed. Sealant shall be "3M Fire Barrier Sealant".
FIRE ALARM RISER NOTES:
1. THESE CODES ARE CURRENTLY IN USE. USE THIS ENCODER FOR ESTIMATING PURPOSES ONLY PRIOR TO STARTING ANY WORK. A SEPARATE PLOT TO POCKET (ARROW) DIAGRAM SHALL BE OBTAINED FOR BUILDING FIRE ALARM MAINTENANCE CONTRACTOR.
2. THE CONTRACTOR SHALL COORDINATE WITH BUILDING FIRE ALARM MAINTENANCE CONTRACTOR TO INSTALLATION OF ANY MODIFICATIONS AND STUB-UP FOR EXACT QUANTITY OF FIRE ALARM SERVICES TAKING INTO ACCOUNT THE EXACT QUANTITY OF FIRE ALARM DEVICES.
3. ALL FIRE ALARM RELAYS SHALL BE LOCATED WITHIN 3' FEET OF THE DEVICE BEING CONTROLLED.

DESIGN CRITERIA FOR FIRE ALARM AUDIBILITY:
MOBILE NOTIFICATION DEVICES - DESIGN CRITERIA
1. Alerting Level
2. Design Goal

LEVEL OF SURVIVABILITY:
Vertical runs shall be for all systems that include partial sprinklers (commercial, residential, hotel, etc.) as cyclone, that every other device is wired on an alternate circuit.

WIRE SCHEDULE:
1. Wire size and type to be in accordance with system manufacturer’s requirements.

FIRE ALARM CIRCUIT CLASS AND STYLE:
ALL FIRE ALARM CIRCUITS SHALL BE WIRED WITH CABLES WITH THE EXCEPTION OF THE FIRE COMMAND CENTER, LOSS OF POWER, OR PHASE 1 INTERVENE KEY SWITCH. Operations of a panel indicate that the panel has been programmed to unlock doors, operate elevators, etc. Operations of a panel indicate that the panel has been programmed to operate elevators, etc.

OPERATIONS OF A PANEL INDICATE THAT THE PANEL HAS BEEN PROGRAMMED TO UNLOCK DOORS, OPERATE ELEVATORS, ETC.

CERTIFICATE OF AUTHORIZATION: AC-438

PUMP HOUSE
ENTRY TO 2ND FLOOR
PUMP HOUSE
ENTRY TO 2ND FLOOR
1. FIRE ALARM PANELS SHALL BE INSTALLED IN A FIRE RESISTANT ENCLOSURE.
2. FIRE ALARM SYSTEMS SHALL BE INSTALLED IN A FIRE RESISTANT ENCLOSURE.

INTERFACE TO PSTN LINES:
1. FIRE COMMAND CENTER
2. CENTRAL STATION

INSTITUTIONAL PLACES OF ASSEMBLY OFFICES CRITERIA
PATHWAY FOR ALL CIRCUITS THAT AFFECT THE OPERATION OF THE NOTIFICATION APPLIANCE (ANYTHING OTHER THAN A GENERAL ALARM SEQUENCE - SEE SEQUENCE/MATRIX)
CIRCUITS ARE WIRED CLASS A OR X WITH THE RETURN SEPARATED BY 15 FEET.
OR RISER). ALTERNATELY, A PATHWAY LEVEL 1 MAY BE PERMITTED WHERE THE SYSTEM ARE WIRED WITH THE RETURN SEPARATED BY 15 FEET.
SHALL INCLUDE A PATHWAY SURVIVABILITY LEVEL 2 OR 3 (A 2 HOUR RATED SHAFT IN A一路 MD A
THAT EVERY OTHER DEVICE IS WIRED ON AN ALTERNATE CIRCUIT.
OPERATION OF EACH ELEVATOR LOBBY SMOKE DETECTOR OR WATER FLOW SWITCH WILL:
EFFECT THE SAME ACTIONS AS AN AREA SMOKE DETECTOR IN ALARM OPERATION OF AN ALARM SMOKE DETECTOR OR DUCT SMOKE DETECTOR WILL:
OPERATION OF A MANUAL STATION WILL:
OPERATION OF A TAMPER SWITCH WILL:
DISPLAY ALARM AT FIRE COMMAND STATION.
ACTIVATE FIRE SIGN AT FIRE COMMAND STATION.
ACTIVATE THE HORNS AND VISUAL DEVICES THROUGHOUT THE BUILDING.
CALL FIRE DEPARTMENT VIA CENTRAL STATION.
THE FAN IS MANUALLY RESTARTED. MANUAL RESTART MAY BE INITIATED AT THE FIRE COMMAND STATION OR AT THE ASSOCIATED FAN SHUT DOWN RELAY.
A PRINTOUT.
A. AFTER AC IS SHUT DOWN VIA THE FIRE ALARM SYSTEM, THE UNIT SHALL NOT RESTART UNTIL:
B. TRROUBLE SIGNALS FROM ALL DEVICES WILL BE DISPLAYED AT FIRE COMMAND STATION.
C. OPERATE ALL REQUIRED DAMPER RELAYS.
D. CALL FIRE DEPARTMENT VIA CENTRAL STATION.
E. ACTIVATE FIRE SIGN AT FIRE COMMAND STATION.
F. ACTIVATE THE HORNS AND VISUAL DEVICES THROUGHOUT THE BUILDING.
1. REFER TO FA-001 FOR GENERAL NOTES, SYMBOLS LIST AND DETAILS.
2. REFER TO FA-300 FOR FIRE ALARM RISER DIAGRAM.
3. ALL EXISTING FIRE ALARM DEVICES AND ASSOCIATED WIRING SHALL BE DISCONNECTED AND REMOVED.
FIRE ALARM NOTES

1. REFER TO FA-001 FOR GENERAL NOTES, SYMBOLS, LIST AND DETAILS.

2. REFER TO FA-300 FOR FIRE ALARM RISER DIAGRAM.

3. ALL EXISTING FIRE ALARM DEVICES AND ASSOCIATED WIRING SHALL BE DISCONNECTED AND REMOVED.
EXISTING DANCE FLOOR

1. REFER TO FA-001 FOR GENERAL NOTES, SYMBOLS LIST AND DETAILS.
2. REFER TO FA-300 FOR FIRE ALARM RISER DIAGRAM.
3. ALL EXISTING FIRE ALARM DEVICES AND ASSOCIATED WIRING SHALL BE DISCONNECTED AND REMOVED.
FIRE ALARM NOTES

1. REFER TO FA-001 FOR GENERAL NOTES, SYMBOLS LIST AND DETAILS.
2. REFER TO FA-300 FOR FIRE ALARM RISER DIAGRAM.
3. ALL EXISTING FIRE ALARM DEVICES AND ASSOCIATED WIRING SHALL BE DISCONNECTED AND REMOVED.
1. Refer to Fig. 1 for general notes, symbols list and details.
2. Refer to Fig. 3 for fire alarm box design.

Fire Alarm Notes

1 1/2" PVC conduit (Schedule 80) run 30" below grade back to Building 1303. Provide warning tape above conduit run at 12" below grade for the entire run. Provide all required fire alarm cabling as per fire alarm vendor's approved shop drawings.

Transition PVC conduit to EMT conduit inside pump house. Provide transition box 12" above.

Refer to plumbing drawings for more information.

SUPERVISED Wiki for Jockey Pump

NOT TO SCALE DRAWING OR WORK INSTRUCTION

PHASE REVERSAL

LOSS OF POWER

PUMP RUNNING

FIRE PUMP CONTROLLER

TRANSITION PVC ERD TO EMT ERD INSIDE OF PUMP HOUSE.

PROVIDE TRANSITION BOX 12" AFF.