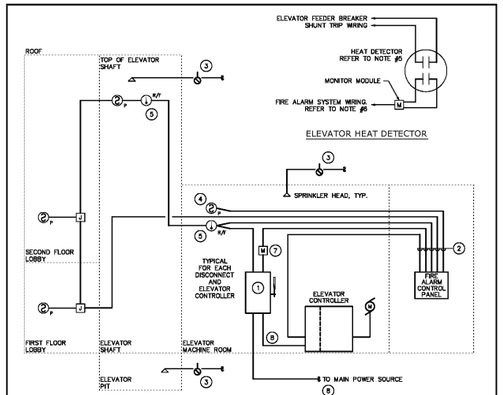

KEY NOTES:

1. BUSSMANN "POWER MODULE" WITH FIRE ALARM VOLTAGE MONITORING RELAY TO MONITOR SHUNT TRIP VOLTAGE, FIRE SAFETY INTERFACE, CONTROL POWER TRANSFORMER, MECHANICALLY INTERLOCKED AUXILIARY CONTACTS FOR HYDRAULIC ELEVATOR RECALL AND PILOT LIGHT.
2. ELEVATOR RECALL SYSTEM WIRING AS REQUIRED.
3. FIRE SPRINKLER SYSTEM SHUTOFF VALVE. EXTEND TAMPER SWITCH WIRING TO FIRE ALARM CONTROL PANEL AS REQUIRED.
4. ELEVATOR MACHINE ROOM SMOKE DETECTOR SHALL ALSO BE CONNECTED TO ACTIVATE FIRE FIGHTERS' SERVICE RECALL.
5. HEAT DETECTOR (135° F). LOCATE DETECTOR WITHIN 24" OF SPRINKLER HEAD. CONNECT AUXILIARY CONTACTS TO SHUNT-TRIP ELEVATOR POWER MODULE.
6. FIRE ALARM WIRING TO FOLLOWING HEAT DETECTOR (MONITOR MODULE) OR TO MAIN FIRE ALARM CONTROL PANEL. CONNECT TO INITIATE TROUBLE SIGNAL ONLY.
7. SHUNT TRIP CONTROL POWER MONITOR.
8. LINE VOLTAGE WIRING, REFER TO ELECTRICAL POWER DRAWINGS FOR REQUIREMENTS.

GENERAL NOTES:

A. BATTERY LOWERING OPERATION, WHERE APPLICABLE:
   -PROVIDE A NORMALLY CLOSED AUXILIARY DRY CONTACT IN THE BUSSMANN "POWER MODULE" (OPEN WHEN SHUNT TRIP IS ACTIVATED) AND EXTEND TO THE ELEVATOR CONTROLLER.

B. CONNECT ALL COMPONENTS AS REQUIRED BY STATE ELEVATOR CODE.

ELEVATOR SAFETY DETAIL
NOT TO SCALE

FIRE ALARM NOTES

PART 1 – NOTES

1. CONTRACTOR SHALL PROVIDE A COMPLETE FIRE ALARM SYSTEM AS SPECIFIED.
2. CONTRACTOR SHALL PROVIDE A DETAILED SET OF SHOP DRAWINGS (INCLUDING DEVICE CUT SHEETS), A COMPLETE POINT TO POINT WIRING DIAGRAM, FLOOR PLAN DRAWINGS INDICATING ALL DEVICE LOCATIONS AND NUMBERS, COMPLETE BATTERY CALCULATIONS AND COMPLETE NOTIFICATION APPLIANCE CIRCUIT CALCULATIONS (FOR THE SYSTEM TO BE INSTALLED) FOR REVIEW AND APPROVAL.
3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL.
4. CONTRACTOR SHALL OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT (AUTHORITY HAVING JURISDICTION).
5. PROVIDE THE OWNER WITH COMPLETE FIRE ALARM SYSTEM AND INSTALLATION MANUALS, COVERING ALL EQUIPMENT INSTALLED FOR THIS PROJECT. KEEP AT THE MAIN FIRE ALARM CONTROL PANEL.
6. PROVIDE CERTIFICATE OF COMPLETION AT THE FINAL INSPECTION OF THE FIRE ALARM SYSTEM
7. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITIONS OF NFPA 72 AND NATIONAL ELECTRICAL CODE.

PART 2 – PRODUCTS

1. THE MAIN FIRE ALARM CONTROL PANEL SHALL BE A MICROPROCESSOR BASE SYSTEM WITH ADDRESSABLE, INTELLIGENT DETECTORS, ADDRESSABLE CONTROL RELAY AND MONITOR MODULES, VISIBLE AND AUDIBLE SYSTEM ANNUNCIATORS AND OTHER SYSTEM CONTROLLED DEVICES AS REQUIRED.
2. ALL FIRE ALARM SYSTEM DEVICES SHALL BE LISTED.
3. THE FIRE ALARM SYSTEM SHALL BE CAPABLE OF FUTURE EXPANSION.
4. ALARM SYSTEM SHALL BE PROVIDED WITH PRIMARY AND SECONDARY POWER SUPPLIES. PRIMARY POWER SUPPLY SHALL BE BY DEDICATED 120V POWER CIRCUIT. SECONDARY POWER SUPPLY SHALL BE BY BATTERIES WITHIN FIRE ALARM ENCLOSURES AND SHALL BE ABLE TO OPERATE THE SYSTEM UNDER QUIESCENT LOADS FOR A MINIMUM OF 24 HOURS AND ALL ALARM NOTIFICATION APPLIANCES AND OTHER CONNECTED LOADS FOR 5 MINUTES.
5. FIRE ALARM INITIATING DEVICES SHALL BE ADDRESSABLE AND ALL FIRE ALARM CIRCUITS SHALL BE CLASS "B".
6. ALL FIRE ALARM AUDIBLE SIGNALS IN OPEN AREA SHALL HAVE A THREE PLUS TEMPORAL PATTERN.
7. SOUNDER BASE FOR CARBON MONOXIDE DETECTORS SHALL HAVE A FOUR PLUS TEMPORAL PATTERN.
8. ALL FIRE ALARM AUDIBLE SIGNALS SHALL HAVE A SOUND LEVEL OF AT LEAST 15 dba ABOVE THE AVERAGE AMBIENT SOUND LEVEL.
9. SLEEPING ROOMS FOR UNATTENDED OCCUPANTS SHALL REQUIRE LOW FREQUENCY SOUNDERS PER SECTION 18.4.5.3 OF NFPA 72.

PART 3 – EXECUTION

1. PROVIDE DEDICATED 120V POWER CIRCUIT TO FIRE ALARM PANEL AND ALL ADDITIONAL BATTERY CABINETS REQUIRED FOR PROJECT.
2. SYSTEM ALARMING SHALL INCLUDE THE FOLLOWING:
   2.1. A GENERAL ALARM SHALL BE ANNUNCIATED UPON ACTIVATION OF ANY INITIATING DEVICE INCLUDING PULL STATION(S), FLOW SWITCH OR DETECTION DEVICE(S) UNLESS NOTED OTHERWISE.
   2.2. ALL FIRE ALARM NOTIFICATION APPLIANCES SHALL ACTIVATE UPON INITIAION OF THE GENERAL ALARM.
   2.3. A TROUBLE SIGNAL SHALL BE ANNUNCIATED UPON FAILURE OR REMOVAL OF ANY DETECTION OR MANUAL DEVICE.
   2.4. A SUPERVISORY SIGNAL SHALL BE ANNUNCIATED UPON ACTIVATION OF ANY FIRE SPRINKLER SYSTEM TAMPER SWITCH.
   2.5. CARBON MONOXIDE DETECTORS SHALL ANNUNCIATE A LOCAL AUDIBLE ALARM VIA SOUNDER BASE AND ANNUNCIATE A SUPERVISORY SIGNAL AT FIRE ALARM PANEL.
   2.6. AUTOMATIC DOOR HOLD OPEN DEVICES SHALL RELEASE DOOR UPON ACTIVATION OF ALARM.
3. ROUTING OF THE FIRE ALARM SYSTEM CONDUIT IS DIAGRAMMATIC ONLY. VERIFY EXACT LOCATIONS PRIOR TO STARTING WORK.
4. INSTALL MANUAL STATIONS AT 48" ABOVE FINISHED FLOOR (A.F.F.).
5. INSTALL WALL MOUNTED NOTIFICATIONS DEVICES (STROBES AND COMBINATION HORN / STROBES) SUCH THAT THE ENTIRE STROBE LENS IS 80" A.F.F. OR 6" BELOW CEILING, WHICHEVER IS LOWER.
6. INSTALL MINI HORNS AT 80" A.F.F. OR 6" BELOW CEILING, WHICHEVER IS LOWER.
7. INSTALL SMOKE DETECTORS AS REQUIRED BY NFPA 72.
8. COORDINATE INSTALLATION OF HVAC DUCT SMOKE DETECTORS WITH HVAC CONTRACTOR. DETECTORS SHALL BE CONNECTED TO ASSOCIATED HVAC EQUIPMENT AND SHALL SHUTDOWN ALL ASSOCIATED FANS. CONNECT DETECTORS TO FIRE ALARM CONTROL PANEL AND INITIATE A SUPERVISORY SIGNAL ONLY. RESET OF DEVICE SHALL BE CAPABLE AT FIRE ALARM CONTROL PANEL.
9. ALL WIRING AND CONDUIT TO CONFORM TO NFPA 72 AND NEC ARTICLE 760. WIRING SHALL BE SOLID COPPER OR STRANDED COPPER WITH A MAX. OF 7 STRANDS FOR 16 GA. AND 12 GA. STRANDED COPPER WITH A MAXIMUM OF 19 STRANDS FOR SIZES 14 AND LARGER PER NEC 760 AND NFPA 70.
10. COLOR CODING MAY NOT APPLY TO EXISTING SYSTEMS. LABEL EXISTING WIRES ACCORDINGLY.
11. PROVIDE AN EARTH GROUND CONNECTION AS REQUIRED BY SYSTEM MANUFACTURER AND PER NEC ARTICLE 760. MINIMUM GROUND CONNECTION WIRE SIZE SHALL BE #12 AWG. (NOISE PANEL NEEDS TO BE GROUNDED OR CONDUIT GROUND IS NOT ACCEPTABLE).
12. PROTECT FIRE BARRIER PENETRATIONS WITH APPROVED (NEC) METALLIC CONDUIT AND SEALED WITH LISTED FIRE STOP MATERIAL.

FIRE ALARM SHEET INDEX

DESCRIPTION	
FA001	FIRE ALARM NOTES
FA201	FIRE ALARM PLAN

FIRE ALARM DEVICE SYMBOLS

- FIRE ALARM MANUAL PULL STATION. NOTIFIER NBG-12LX
- PHOTOELECTRIC SMOKE DETECTOR. NOTIFIER FSP-851/B210LP
- DUCT SMOKE DETECTOR SUPPLIED BY MECHANICAL, WIRING BY THIS CONTRACTOR.
- HEAT DETECTOR COMBINATION-RATE OF RISE AND 185° FIXED TEMPERATURE. NOTIFIER FST-851/B210LP
- FIRE ALARM SPEAKER/STROBE COMBINATION WITH WHITE FINISH. NOTIFIER SPS SERIES NUMERAL ADJACENT INDICATES CANDELA RATING.
- FIRE ALARM STROBE WITH WHITE FINISH. NOTIFIER SR SERIES NUMERAL ADJACENT INDICATES CANDELA RATING.
- CEILING MOUNTED FIRE ALARM SPEAKER/STROBE COMBINATION WITH WHITE FINISH. NOTIFIER SP SERIES, NUMERAL ADJACENT INDICATES CANDELA RATING.
- CEILING MOUNTED FIRE ALARM STROBE WITH WHITE FINISH. NOTIFIER SP SERIES NUMERAL ADJACENT INDICATES CANDELA RATING.

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RENOVATIONS TO LAKEPOINT SPORTS PAVILION MEZZANINE

755 Highway 293
Emerson, GA 30137

PROJECT NUMBER
19016.00

GEORGIA REGISTERED PROFESSIONAL ENGINEER SCOTT MERIWETHER

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SHEET TITLE
FIRE ALARM NOTES

FA-001