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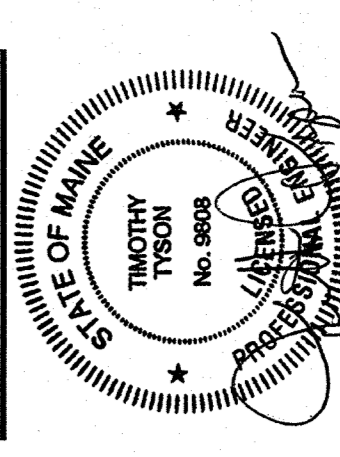
PROJECT

OCEAN
GATEWAY
PARKING
GARAGE

MIDDLE STREET
PORTLAND, MAINE

REVISIONS
NO. DATE DESCRIPTION
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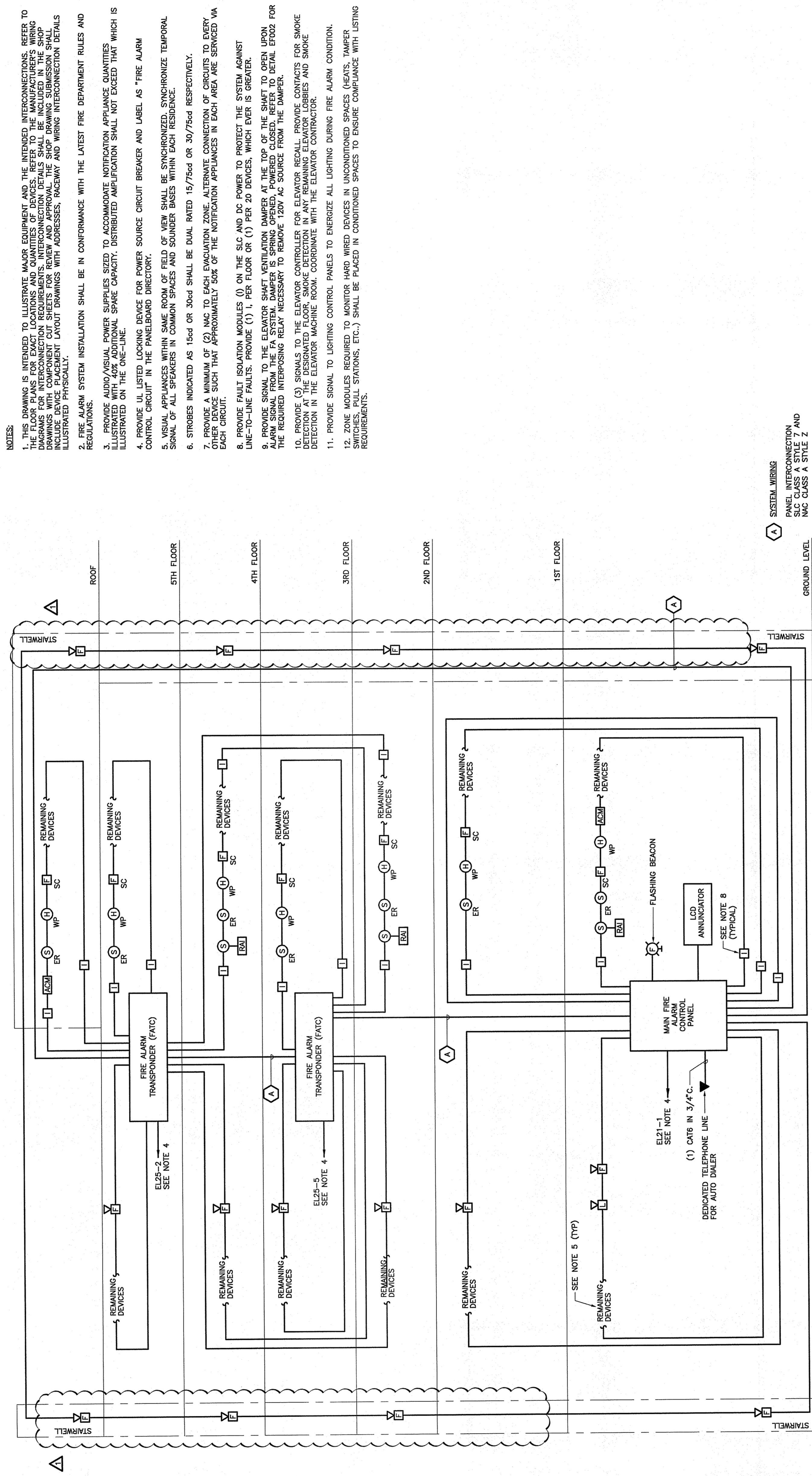
DATE FEB 22, 2007
SCALE N.T.S.
PROJECT NO. 05-032



DRAWING TITLE
ELECTRICAL
FIRE ALARM
RISER DIAGRAM

SHEET NUMBER

E5.00



ELECTRICAL - FIRE ALARM
RISER DIAGRAM

- NOTES:
- THIS DRAWING IS INTENDED TO ILLUSTRATE MAJOR EQUIPMENT AND THE INTERCONNECTED INTERCONNECTIONS. REFER TO THE FLOOR PLANS FOR EXACT LOCATIONS AND QUANTITIES OF DEVICES. REFER TO THE MANUFACTURER'S WIRING DIAGRAMS FOR INTERCONNECTION REQUIREMENTS. INTERCONNECTION DETAILS SHOWN ON THIS DRAWING AND THIS Riser Diagram INCLUDE DEVICE PLACEMENT LAYOUT DRAWINGS WITH ADDRESSES, RACEWAY AND WIRING INTERCONNECTION DETAILS ILLUSTRATED PHYSICALLY.
 - FIRE ALARM SYSTEM INSTALLATION SHALL BE IN CONFORMANCE WITH THE LATEST FIRE DEPARTMENT RULES AND REGULATIONS.
 - ALL FIRE ALARM SYSTEMS SHALL BE SYNCHRONIZED TO THE SAME TIME DELAY. SYNCHRONIZE TEMPORAL SIGNALS OF ALL SPEAKERS IN COMMON SPACES AND SOUNDERS BASES WITHIN EACH RESIDENCE.
 - PROVIDE UL LISTED LOCKING DEVICE FOR POWER SOURCE CIRCUIT BREAKER AND LABEL AS "FIRE ALARM CONTROL CIRCUIT" IN THE PANELBOARD DIRECTORY.
 - VISUAL APPLIANCES WITHIN SAME ROOM OF FIELD OF VIEW SHALL BE SYNCHRONIZED. SYNCHRONIZE TEMPORAL SIGNAL OF ALL SPEAKERS IN COMMON SPACES AND SOUNDERS BASES WITHIN EACH RESIDENCE.
 - STROBES INDICATED AS 15sd OR 30sd SHALL BE DUAL RATED 15/75sd OR 30/75sd RESPECTIVELY.
 - PROVIDE A MINIMUM OF (2) NAC TO EACH EVACUATION ZONE. ALTERNATE CONNECTION OF CIRCUITS TO EVERY OTHER DEVICE SUCH THAT APPROXIMATELY 50% OF THE NOTIFICATION APPLIANCES IN EACH AREA ARE SERVICED VIA LINE-TO-LINE FAILURES. PROVIDE (1) L PER FLOOR OR (1) PER 20 DEVICES, WHICH EVER IS GREATER.
 - PROVIDE SIGNAL TO THE ELEVATOR SHUT DOWN DAMPER AT THE TOP OF THE SHUTT TO OPEN UPON ALARM SIGNAL FROM THE FA SYSTEM. DAMPER IS SPRING CLOSED, POWERED CLOSED. REFER TO DETAIL E7002 FOR THE REQUIRED INTERPOSING RELAY NECESSARY TO REMOVE 120V AC SOURCE FROM THE DAMPER.
 - PROVIDE (3) SIGNALS TO THE ELEVATOR CONTROLLER FOR ELEVATOR RECALL. PROVIDE CONTACTS FOR SMOKE DETECTION IN THE ELEVATOR MACHINE ROOM. COORDINATE WITH THE ELEVATOR CONTRACTOR.
 - PROVIDE SIGNAL TO LIGHTING CONTROL PANELS TO ENERGIZE ALL LIGHTING DURING FIRE ALARM CONDITION.
 - THE MAIN FLOOR SIGNALS TO CONTROL MAJOR WIRING DEVICES IN UNASSIGNED SPACES (LIFTS, HALLS, STAIRS, ETC.) SHALL BE PLACED IN UNASSIGNED SPACES TO ENSURE COMPLIANCE WITH LISTING REQUIREMENTS.

SYSTEM WIRING
SHALL BE IN CONFORMANCE WITH
NFPA 70-2005, ARTICLE 760 AND
NAC CLASS A STYLE Z