

# Memo

To: Henry Gilbert  
From: Michael A. Collins, Chief Electrical Inspector  
CC: Mike Nugent, ISM, Associated Electric Inc.  
Date: 11/14/00  
Re: City Hall Electrical Violations and Unsafe Conditions

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The following violations and unsafe conditions were revealed as the result of a walk through inspection conducted with John Austin of Associated Electric Inc., on 6/2/99. These violations and unsafe conditions shall be corrected.

## **MAIN ELECTRICAL ROOM:**

*---Remove overhead drain piping, gas lines and sprinkler pies, not associated with the electrical system, as is possible.*

*---Label electrical room door as follows: DANGER; ELECTRICAL ROOM; AUTHORIZED PERSONNEL ONLY.*

## **ELECTRICAL ROOM #2:**

*---Relocate the 2" conduit, which is blocking the electrical panels.*

*---Install knock out seals in all unused openings.*

*---Straighten out wiring in the electrical panels.*

*---Add grounding bars in all of the sub-panels.*

*---Remove all NMC cable and replace with MC cable or EMT.*

## **ALL ACCESS TUNNELS:**

*---Support all raceways properly with approved methods.*

*---Replace all PVC conduits with EMT conduit, as is possible.*

*--Add adequate illumination for servicing building systems.*

**ALL ACCESS TUNNELS CONTD:**

*---Air ducts are being utilized as raceways. Replace with approved raceways.*

*---The service feeder for the print shop was installed in an air duct. Replace with approved methods.*

*---Remove the NMC cable and replace with MC cable or EMT conduit.*

*---The passenger elevator' transformers may be susceptible to failure if they are relocated and reused. Recommend installing new transformers.*

**TELCOM ROOM:**

*---Install new junction/pull boxes per NEC 1999.*

*---Remove PVC conduit and install EMT conduit, as is possible.*

*---Remove NMC cables and install MC cable or EMT.*

*These violations and unsafe conditions must be corrected and shall be included in the capitol electrical upgrade project. Completion of the above aforementioned violations and unsafe conditions will ensure the safety of the general public and all City employees working at City Hall.*

*Sincerely,*

*Michael A. Collins*

*Chief Electrical Inspector, City of Portland*