GENERAL NOTES

All initiating and signal circuits will be bi or powerlimited. Unless communication, door holders and Zeuko power (when unsupervised) may be "t-tapped". Use typical wiring diagrams as a guide to determine when circuits may be "t-tapped".

All wires must test free to all grounds (1 meg ohm or greater).

conduit with the voltage systems, except where specifically shown on the drawings or noted to local codes.

Due to reduced voltages, Simplexgrinnell does not allow the voltage to be wired in the same

It is recommended that 10% spare (minimum of one pair type of wire) be run in conduit.

Wire runs are sized for connection only. Final decisions regarding actual wire size or conduit runs are the responsibility of the electrical contractor and not the supplier. All field wiring will be pulled by contractor and not Simplexgrinnell.

Contractor shall contact Simplexgrinnell if any discrepancies are noted between Simplexgrinnell drawings and field requirements.

The information contained in this document is proprietary to Simplexgrinnell and is intended for internal Simplexgrinnell use only. Such information may be distributed to others only by written permission.

Verify all wiring with shipping documents.

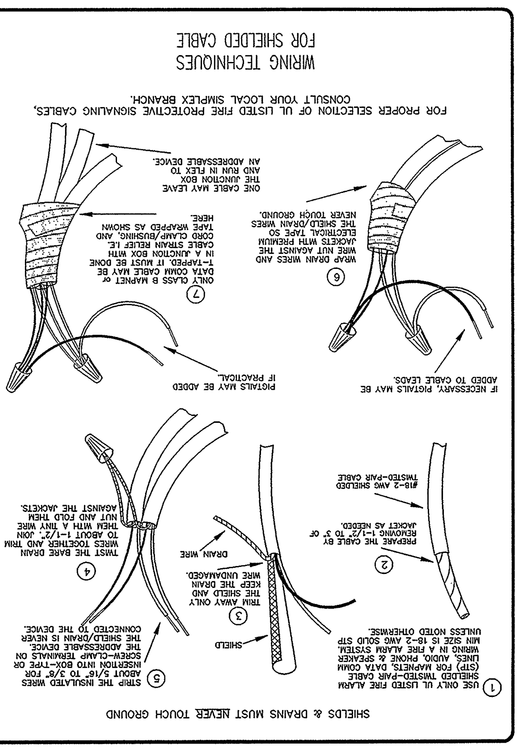
If ceilings are anything other than flat, smooth ceilings, consult NFPA 72, Article 5, or Simplexgrinnell for detector placement.

Detectors should not be located in a direct airflow, nor closer than 3 feet from a ceiling mounted air supply diffuser, or 6 feet from a wall-mounted air supply diffuser. (1996 N.F.P.A. 72 A.5.5.1, 1999 N.F.P.A. 72 A.2.3.5.1, or 2002 N.F.P.A. 72 A.5.7.4.1)

DO NOT CONNECT THE POWER TO THE SYSTEM WITHOUT A SIMPLEXGRINNELL TECHNICAL REPRESENTATIVE PRESENT, OR WITHOUT PRIOR VERIFICATION OF THE SYSTEM BY SIMPLEXGRINNELL.

PANEL MUST BE CONNECTED TO A DEDICATED 120VAC EMERGENCY CIRCUIT, 20 AMP MAXIMUM, WITH A SEPARATE UNFED EARTH GROUND PER NEC ARTICLE 250.

ALL SHIELDED WIRE USED WITHIN THIS SYSTEM MUST HAVE PROPERLY DRESSED SHIELDS AND DRAIN WIRES. SHIELDS AND DRAINS MUST BE A CONTINUOUS CONDUCTOR, TWIST COMPLETELY AT EVERY JUNCTION AND TERMINATED ONLY AT THE TERMINAL DESIGNATED "SHIELD". UNDER NO CONDITION SHALL THE SHIELDS BE EXPOSED TO CONDUIT, OTHER WIRING, OR EQUIPMENT CABINETS.


SHIELDS & DRAINS MUST NEVER TOUCH GROUND
USE ONLY UL LISTED FIRE ALARM SHIELDED TWISTED-PAIR CABLE (TYP) FOR SIGNAL CIRCUIT AND ADDRESSABLE DEVICE LOOPS. MIN SIZE IS 18-2 AWG SOLID STP UNLESS NOTED OTHERWISE.
SHIELD
TRIM AWAY ONLY THE SHIELD AND KEEP THE DRAIN WIRE CONNECTED.
CONNECTED TO THE DEVICE.
PREPARE THE CABLE BY REMOVING 10 ABOUT 1-1/2". JOIN THEM WITH A WIRE NUT AND TAPE.
WRAP THE SHIELDS AND DRAIN WIRES TOGETHER AND TRIM AGAINST THE JACKET AS SHOWN
DRAIN WIRE
#18-2 AWG SHIELDED TWISTED-PAIR CABLE
IF NECESSARY, ROUTE AS ABOVE
IF PARALLEL
ROUTE AS SHOWN
ONLY CLASS B WIRING TO DATA GATHERING PANEL
WRAP DRAIN WIRES WITH THE SHIELD (DRAIN WIRE) ELECTRICAL TAPE 50 LAYERS MIN
ONE CABLE WAY LEAVE
CABLE STRAIN RELIEF (E.G. O'KEEFFE'S #CSR-1 OR EQUAL)
CORD CLAMP (BOSTON) AND THE SHIELD DRAIN WIRES WERE NOT CONNECTED TO GROUND.
NEVER TOUCH GROUND.
ONE CABLE WAY LEAVE
WIRE NUT AGAINST THE JACKET WITH ELECTRICAL TAPE
JACKETED WITH FOIL SHIELD AND DRAIN WIRE
CORD CLAMP (BOSTON) AND CABLE STRAIN RELIEF (E.G. O'KEEFFE'S #CSR-1 OR EQUAL)
ONE CABLE WAY LEAVE
AN ACCESSIBLE DEVICE.
WIRE NUT AGAINST THE JACKET WITH ELECTRICAL TAPE
JACKETED WITH FOIL SHIELD AND DRAIN WIRE
AND RUN IN FLEX TO
THE JUNCTION BOX
ACCESSIBLE BOX
NEVER TOUCH GROUND