



## **Fire Alarm - Commercial Permit Guidelines**

**(Includes Control Panel Replacement and Wireless Communication)**

**Alarm Systems Contractor I may apply for this permit.**

- Miscellaneous application.
- Four (4) sets of plans with material cut sheets
- NOC required if value is \$2500 or greater.

**Description:**

- Business Name, Unit # and address information if it has an address range
  - Yellow tab: scope of work

**Route to: OFFICE USE ONLY**

Fire    Electric

**Processing: OFFICE USE ONLY**

- Type:            Fire Alarm
- Subtype:        Commercial

**Inspections:**

- |                                  |    |
|----------------------------------|----|
| • Notice of Commencement (NOC)   | 10 |
| • Electrical Final (040)         | 20 |
| • Fire Final Misc. Non-1&2 (302) | 30 |

**Fees:**

- |              |   |
|--------------|---|
| • Fire Alarm | \$180.00  |
| • Fire       | varies entered by dept *\$7.85 per \$1000 valuation w/ \$40 minimum |
| • Surcharge  | YES   |

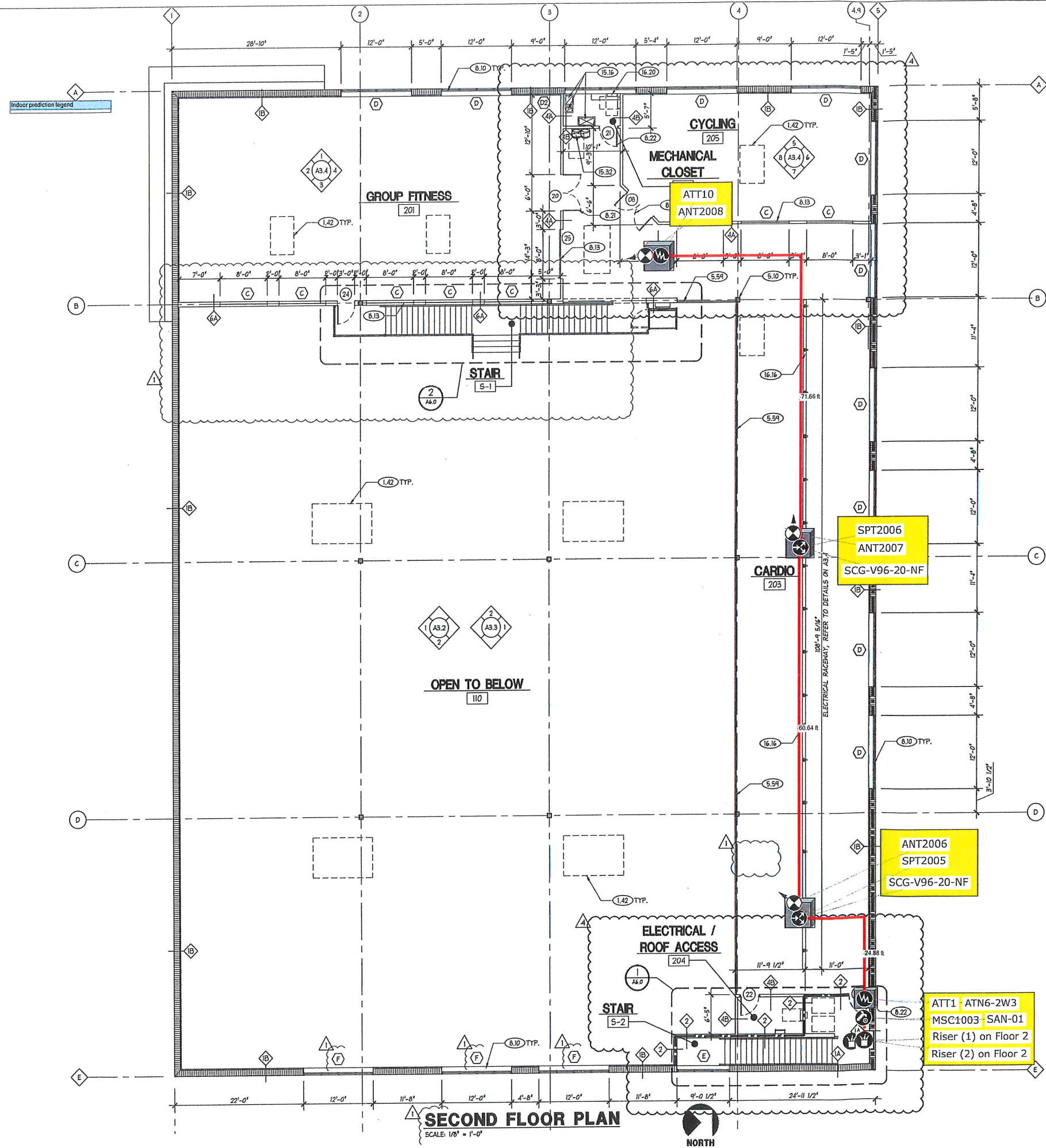
**Expiration:**

- Six (6) months

**\*\*FIRE ALARM – If doing Control Panel for multiple buildings with 1 control panel FACP (Fire Alarm Control Panel), 1 permit. If FACP for each building, separate permits.**

NOTE: A National Electrical Code (NEC) review is required for fire alarm permits. In order to review the Emergency Radio Communications Enhancement System (ERCES)/Bi-Directional Amplifier (BDA), a floor plan is required showing the location of the various antenna system equipment, antennas and the path of the interconnecting wiring.

# Sample Floor Plan



## SYMBOLS LEGEND

Design Plan	Floor Plan	Type	Description
		Outdoor 700/800MHz Yagi Antenna	Comtelco-Y6687D 745-960 MHz 10dBd/12dBi gain Yagi Antenna
		Indoor Antenna	TerraWave Solutions 698-800/800-960MHz /1700-2700MHz M3075100Y11206-B
		700/800MHz BDA	Fiplex DH7S
		Cable	Twisted pair 22AWG 4 conductors communication cable for dedicated annunciator panel (DAN)
		Cable	#6 AWG Ground Wire.
		Cable	CommScope HELIAX LDF4-50A Low Density Foam Coaxial Cable, corrugated copper, 1/2in, black PE
		Cable	Trilogy-Aircell Plenum Rated Air Dielectric Coaxial Cable - Corrugated Aluminum - 1/2in, PVC Jacket
		Cable	WCW-2HB12-503PLR Dragonskin
		Connector	Trilogy-Aircell N Male Positive Stop for 1/2in Trilogy cable

Design Plan	Floor Plan	Type	Description
		Miscellaneous	Time Microwave System 20-1000 MHz - Surge Arrestor
		Riser	Vertical Riser. Riser symbol in iBwave software. This is NOT a Part.
		Tapper	Unequal Power Splitter (Tapper), PIM <-153 dBc, 150-960MHz
		Splitter	Unequal Power Splitter, PIM <-153 dBc, 150-960MHz
		Fire Alarm Control Panel	Fire Alarm Control Panel - Fire Dept. Equipment
		Battery Backup Unit/ Alarm Indicator	STELLAR COMMUNICATIONS BATTERY BACK UP UNIT BBU3023 UHF and 800 BDA Battery Back Up Unit
		Battery Enclosure	Battery Enclosures for 24V battery backup system
		Dedicated Annunciator Panel	Stellar Communications SAN-02U8 Dedicated Annunciator Panel
		Junction Box	Junction/ Pull Box Typical 12"x 12"