



Miami-Dade Fire Rescue
Two-Way Radio Communication Enhancement Systems
BDA Installation and Testing

Based on NFPA 1221 2016 Ed, Florida Fire Prevention Code – Seventh Edition

NFPA 1221: 9.6.6 Approval and Permit. Plans shall be submitted for approval prior to installation. At the conclusion of successful acceptance testing, a renewable permit shall be issued for the "Two-Way Radio Enhancement System" where required by the authority having jurisdiction.

FYI: If work is being completed without submitting plans and without a permit, fees may be doubled.

Radio Signal Strength Tests will test MDRF 450MHz and MDPD 800MHz

Scheduling Radio Signal Strength Pre-Acceptance Test:

The following phases of construction must be completed prior to testing:

- Flooring, ceilings, walls, windows and doors (including door hardware and door windows)
- Elevators (fully operational)
- Construction debris/items removed or minimized

After the building is dried in, email – MDFRBDAS@miamidade.gov and itdMDCITDRadioEngineering@miamidadecounty.onmicrosoft.com to schedule a "Radio Signal Strength Pre-Acceptance Test"

- MDRF will confirm a date and time.
- Requests for radio signal strength tests submitted before the building is "dried in" will not be granted, and fees may be assessed.
- This test will not hold up a TCO; a successful "signal strength test" will clear you for a CO/Final Fire.
- MDRF will contact/invite Miami-Dade Police Dept. to test the 800Mhz
- Please email MDFRBDAS@miamidade.gov and itdMDCITDRadioEngineering@miamidadecounty.onmicrosoft.com a PDF of the plans (a general layout of the building).

You must provide a Miami-Dade County Master Permit Number to schedule a Pre-Acceptance Radio Signal Strength Test. Miami-Dade County Permit Numbers start with the year the permit was applied for, then 6 numbers after (e.g., 2016-123456).

Information Needed to Schedule Pre-Acceptance Test :

When requesting a radio signal strength Pre-Acceptance Test, please include this information:

Miami-Dade County Master Permit No. _____

Project Name: _____

Project Address: _____

(On-Site) Contact Information: _____

How many? (as applicable, please specify "N/A" when NOT applicable):

- Floors: _____
- Stairwells: _____
- Elevators: _____
- Garage (No. of Floors): _____
- Roof Access: _____
- Emergency Command Center: _____
- Pump Room: _____
- Sprinkler Sect. Valve Location: _____
- Standpipe Cabinets: _____

NOTE: "BDA Signal Strength Testing" inspections are charged a "Special Request Inspection" (SRI) fee based on the size of the project. MDRF will schedule this inspection for you. The aforementioned SRI fee will be applied to your master permit after the Pre-Acceptance Test. Please provide the permit number as soon as possible to avoid any cancellations.

MDRF will need on-site personnel with access to all areas/doors/elevators. These individuals must be familiar with the building's interior floor plan. Please supply site personnel with the appropriate and necessary "Key Access/Card(s)."

If a BDA System is Needed:

- When installing the BDA: Have the installing company submit plans to the Fire Department via the Building Department Plans Processing Center, 11805 Coral Way, Miami, 33175. Call 786-315-2000 for more information. Follow the "mdfr-bda-plans-processing-guide-sheet" (to help ensure the plans have all necessary information needed, to be approved).
- The "Category 0040" is assigned to the plans when the plans are submitted, registered, and the application is filled out at the Building Department Plans Processing Center, 11805 Coral Way, Miami FL 33175.
- Once the BDA Plans are approved, pay the cashier, retrieve your plans, print permit card.
- Install BDA System (per approved plans).

Scheduling Radio Signal Strength Acceptance Test:

Once the BDA System is installed, email – MDFRBDAS@miamidade.gov and itdMDCITDRadioEngineering@miamidadecounty.onmicrosoft.com to schedule a "BDA-Signal Strength Acceptance Test".

- MDFR will confirm the date and time.
- MDFR will contact/invite Miami Dade Police Dept., to test the 800Mhz.
- Please email MDRBDAS@miamidade.gov a PDF of the plans, (a general layout of the building).

When requesting a radio signal strength acceptance test, please include this information:

Miami-Dade County Master Permit No. _____

Project Name: _____

Project Address: _____

(On-Site) Contact Information: _____

How Many? (as applicable, please specify "N/A" when NOT applicable):

- Floors: _____
- Stairwells: _____
- Elevators: _____
- Garage (No. of Floors): _____
- Roof Access: _____
- Emergency Command Center: _____
- Pump Room: _____
- Sprinkler Sect. Valve Location: _____
- Standpipe Cabinets: _____

NOTE: "BDA Signal Strength Testing" inspections are charged a "Special Request Inspection" (SRI) fee based on the size of the project. MDR will schedule this inspection for you. The aforementioned SRI fee will be applied to your BDA (04) permit after the Acceptance test. Please provide the permit number as soon as possible to avoid any cancellations.

MDFR will need on-site personnel with access to all areas/doors/elevators. These individuals must be familiar with the building's interior floor plan. Please supply site personnel with the appropriate and necessary "Key Access/Card(s)."

The Day of Acceptance Test:

- The installing contractor/company must be on site with plans and permit.
- BDA System is off.
- Upon request of the testing team, the system is turned on, testing begins.
- If there are any problems/questions/concerns, we will address them at that time with the BDA Contractor.
- After the Acceptance Test is complete and approved, you must schedule a final fire inspection for your category 0040 (BDA) per NFPA 1 [1:11.10], NFPA 72 [72:24.9] and NFPA 1221 [1221:9.6] requirements.
- Have approved plans and permit on-site.
- Have BDA Installation Company and Fire Alarm Company present.
- Final fire approved, the permit is signed; you are eligible for your CO.

Relevant Links:

MDC Permit Application:

<http://www.miamidade.gov/permits/library/building-permit.pdf>

Building Permit Selection Menu:

<http://egvsys.miamidade.gov:1608/WWWSERV/ggvt/bnzaw960.dia>

MDFR Schedule Fire Final Inspection:

<http://www8.miamidade.gov/apps/rer/BNZ2/BNZM7015.aspx>