

Information Bulletin

Clarification for Fire Alarm Audibility In Multi-Residential Buildings

Refer to the following pages for the slide presentation

Important Change

2006

Manitoba Building Code

3.2.4.18.(10) & (11)

Audibility of Alarm Systems

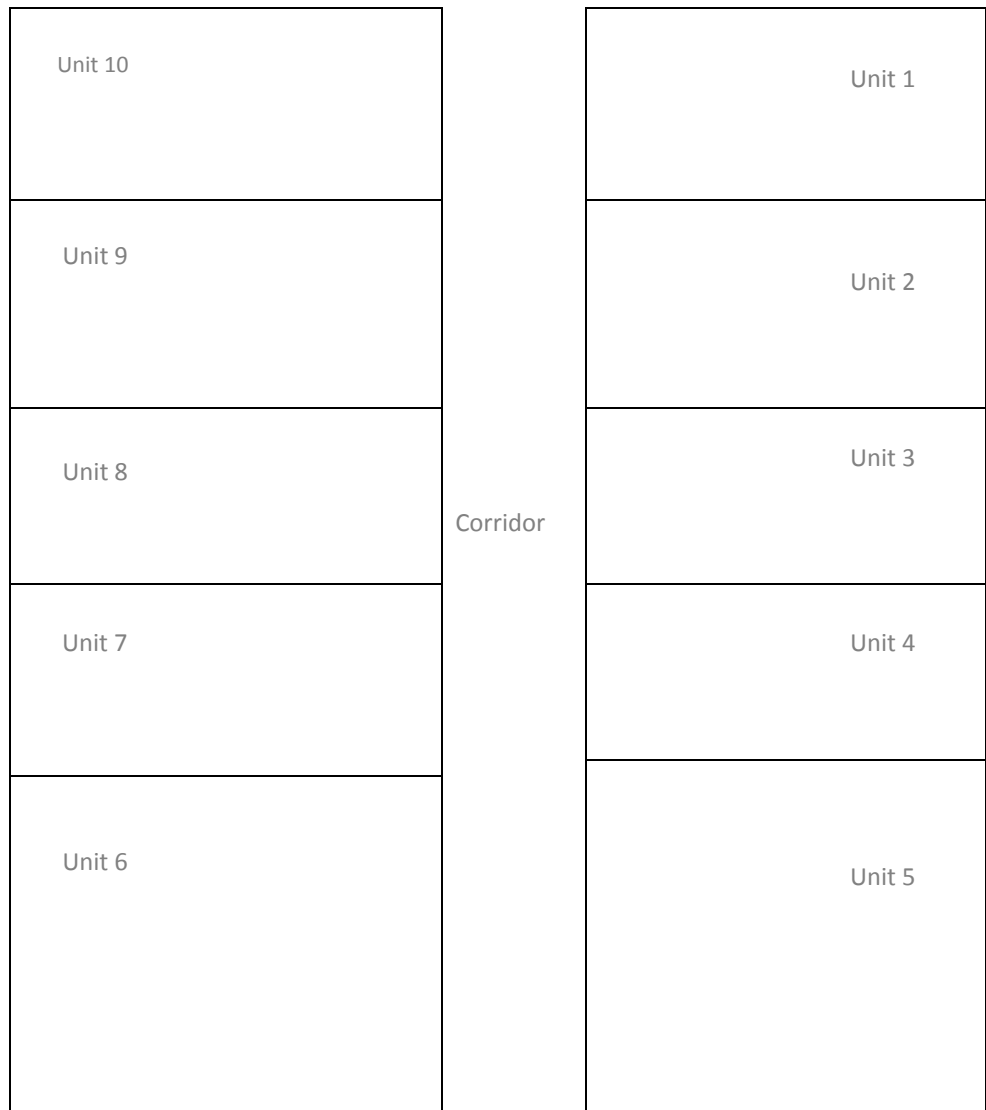
MBC 3.2.4.18.(10) & (11)

- Background:
 - The 2006 Manitoba Building Code requires that audible fire alarm devices in suites of residential occupancy be supervised.
 - This is a change from the 1998 MBC where Sentence 3.2.4.19.(11) directly stated that the audible devices located within suites of residential occupancy “are not required to have individual electrical supervision.”
 - That statement was deleted in the 2006 MBC and although Article 3.2.4.18. doesn’t specifically state that supervision is required, Item 3.3.1.1 in CAN/ULC-S524, Installation of Fire Alarm Systems, does.

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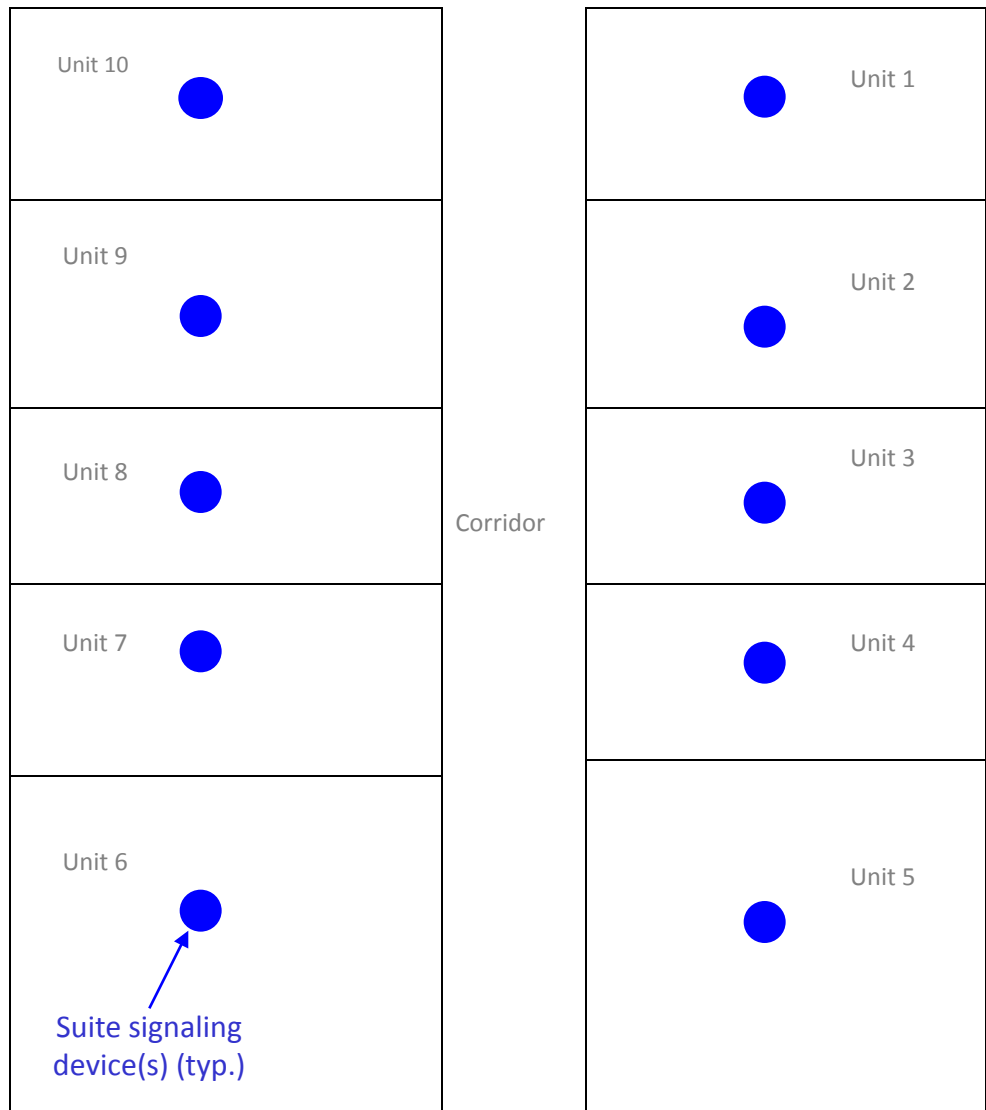
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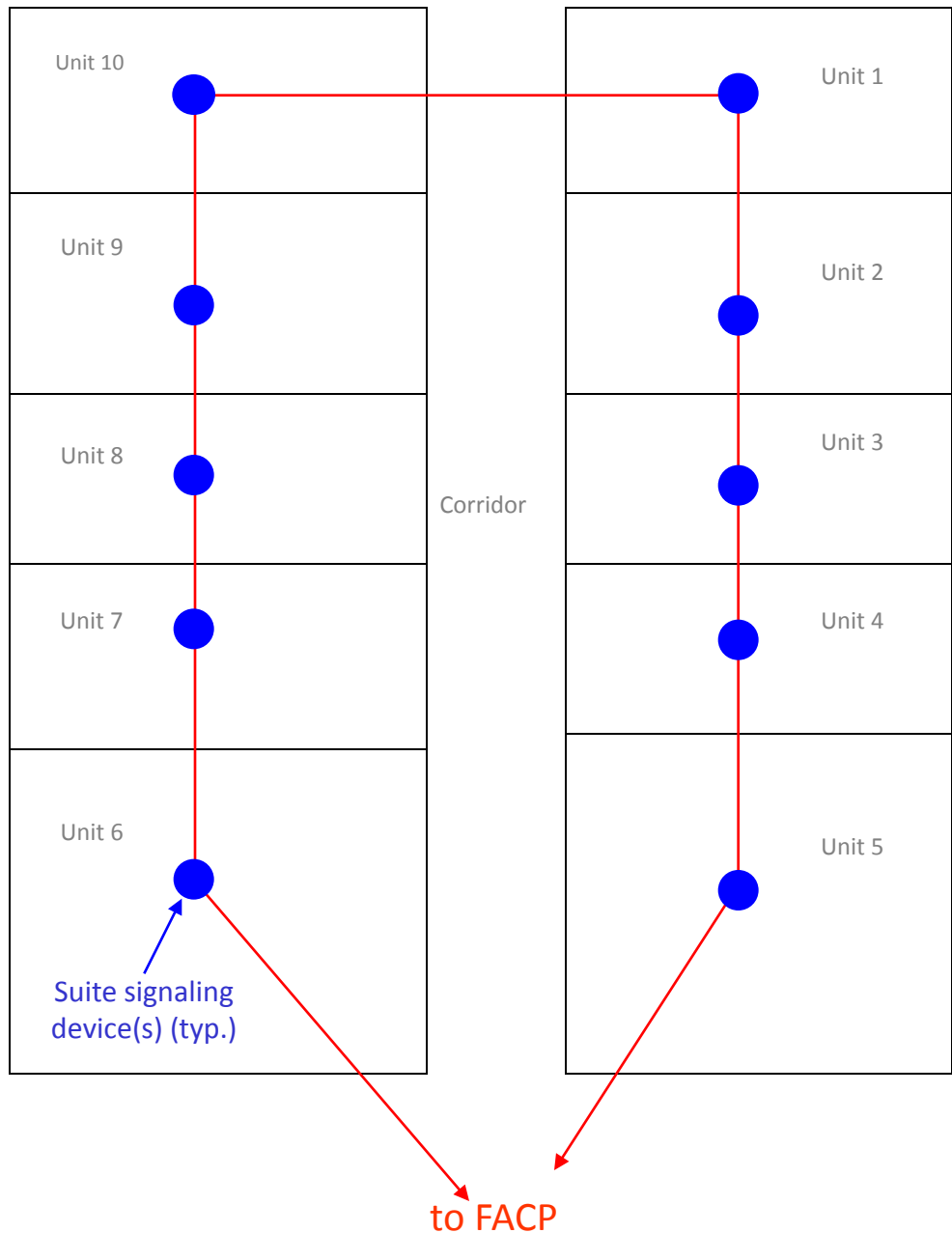
Typical Floor Plan
Ten Units Per Floor
Condos, Apartments



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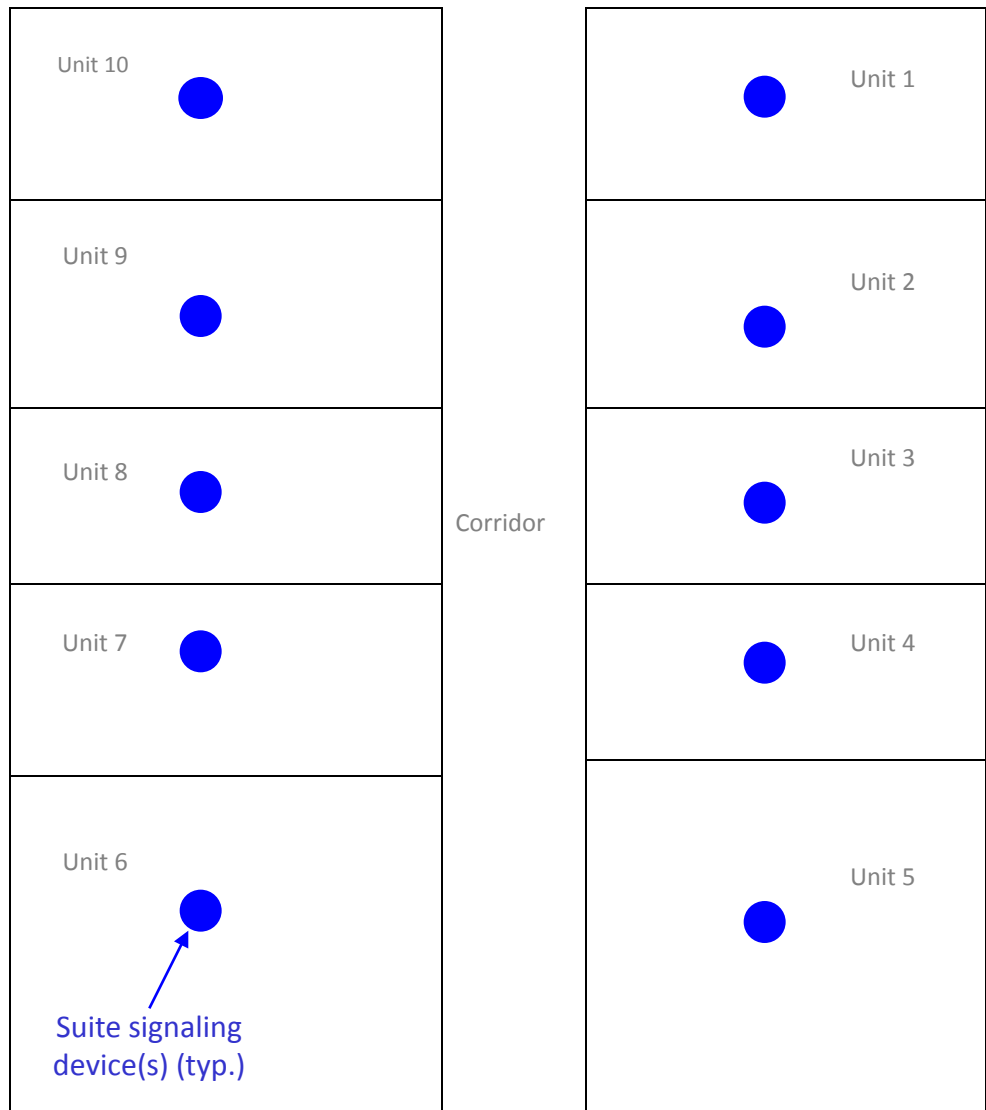
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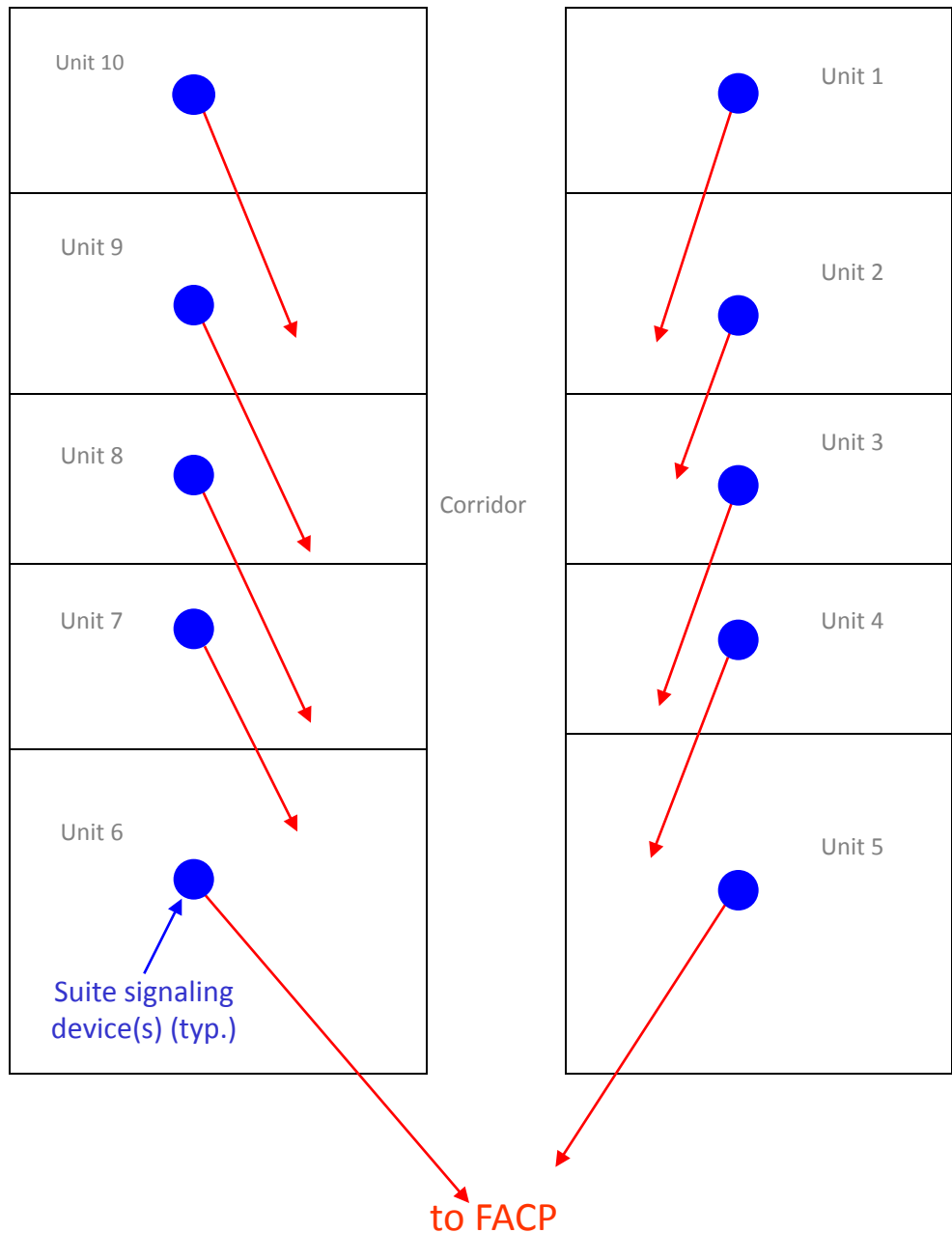
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There are three different methods that may be used to wire in-suite audible signal devices in residential occupancies:

- 1. Class A circuit (return loop circuit) – 3.2.4.18.(10)(a)
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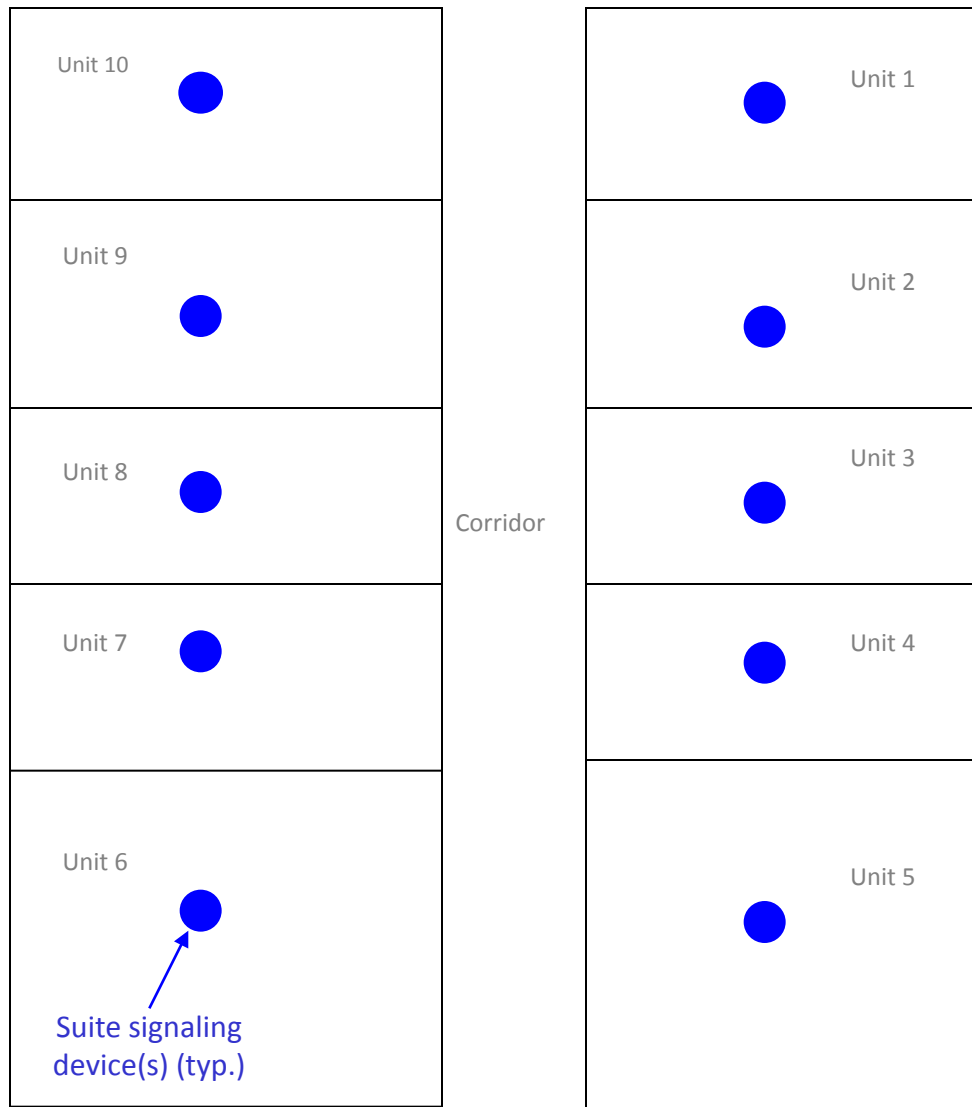
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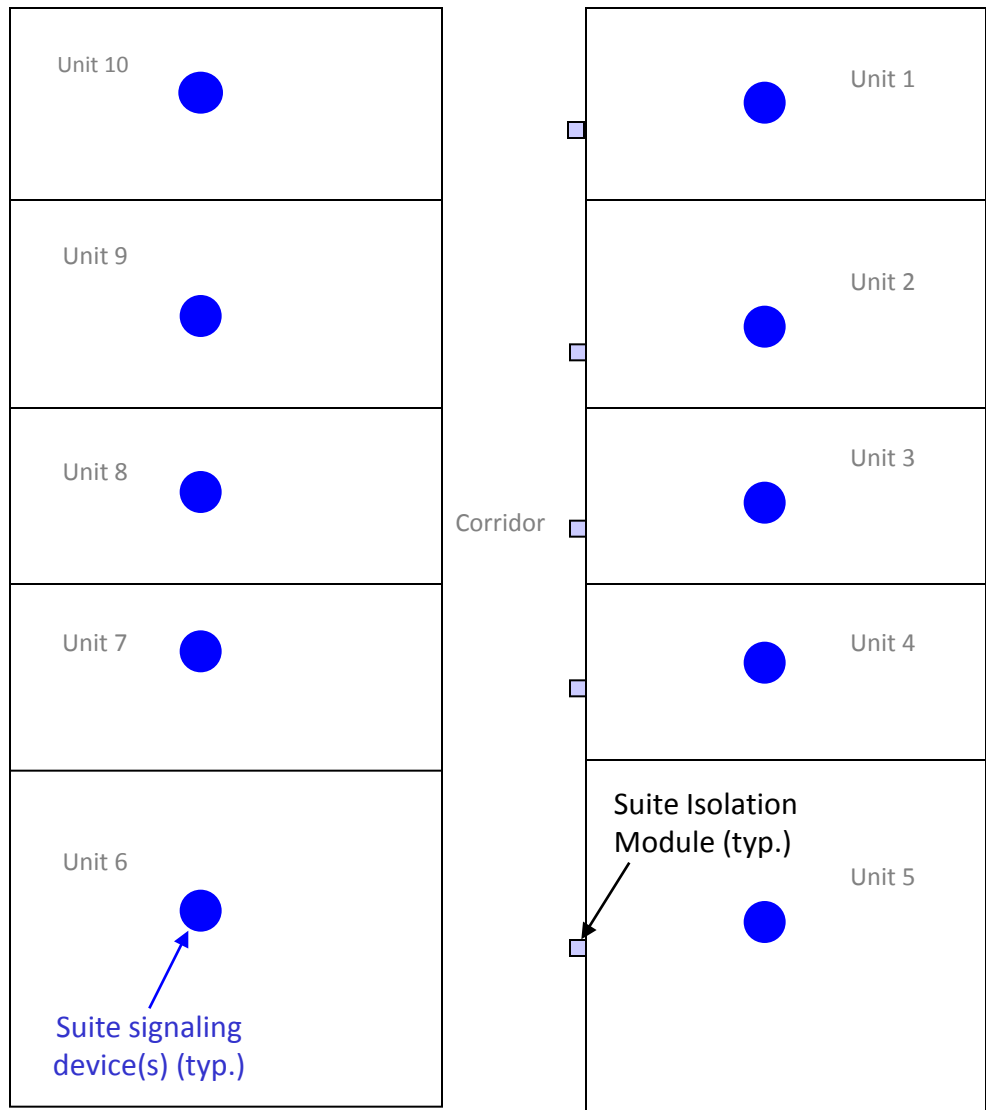
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3. Class B wiring c/w isolator modules and E.O.L. resistor in corridor

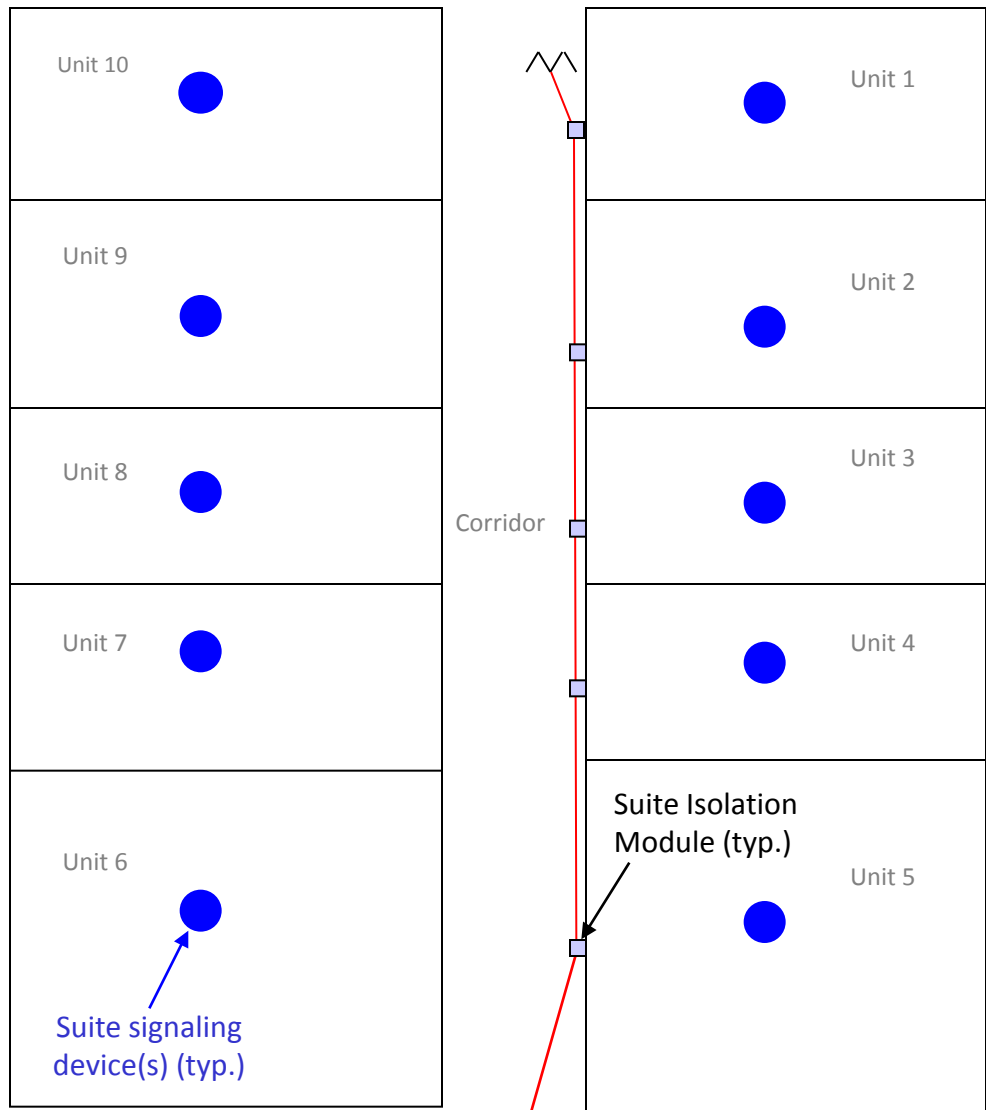
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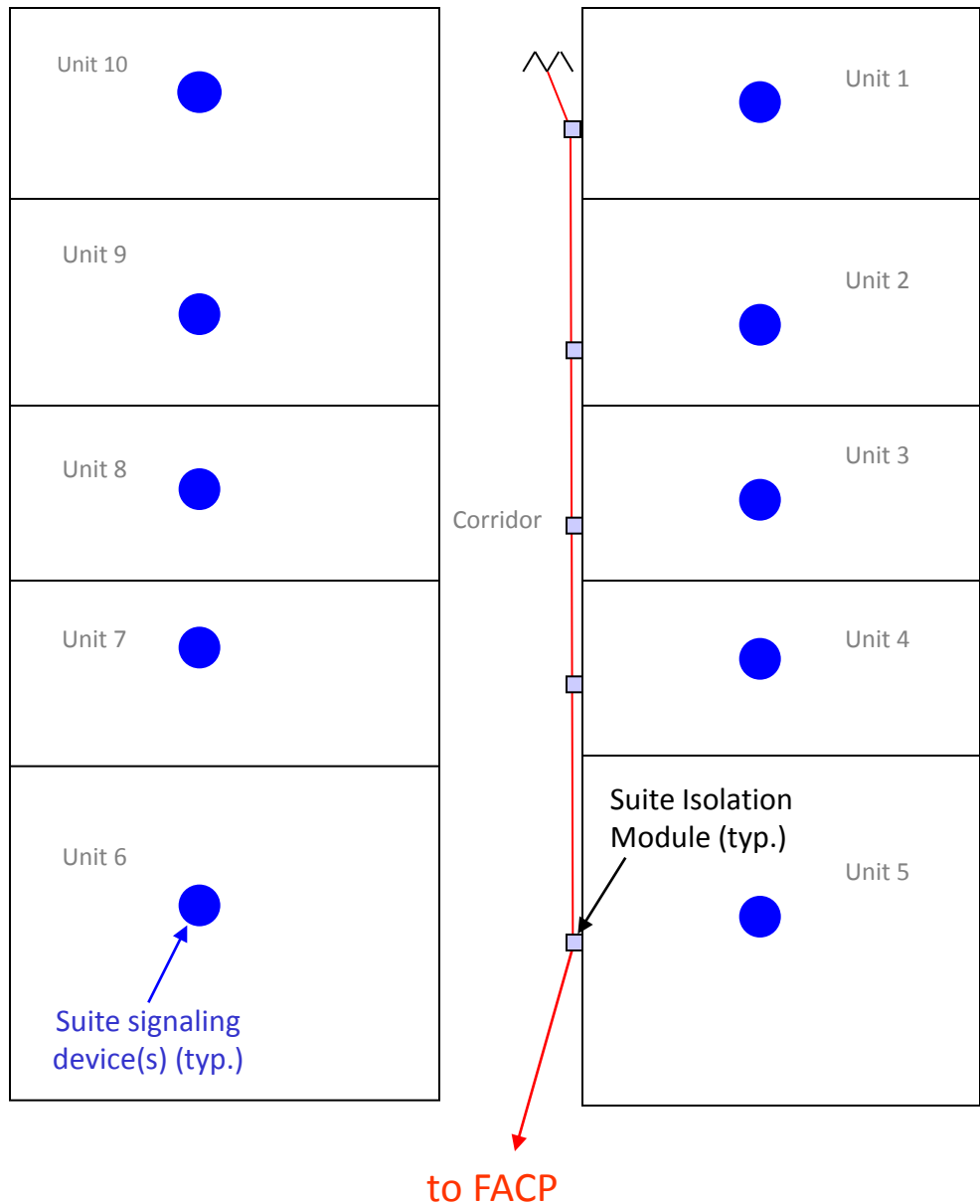


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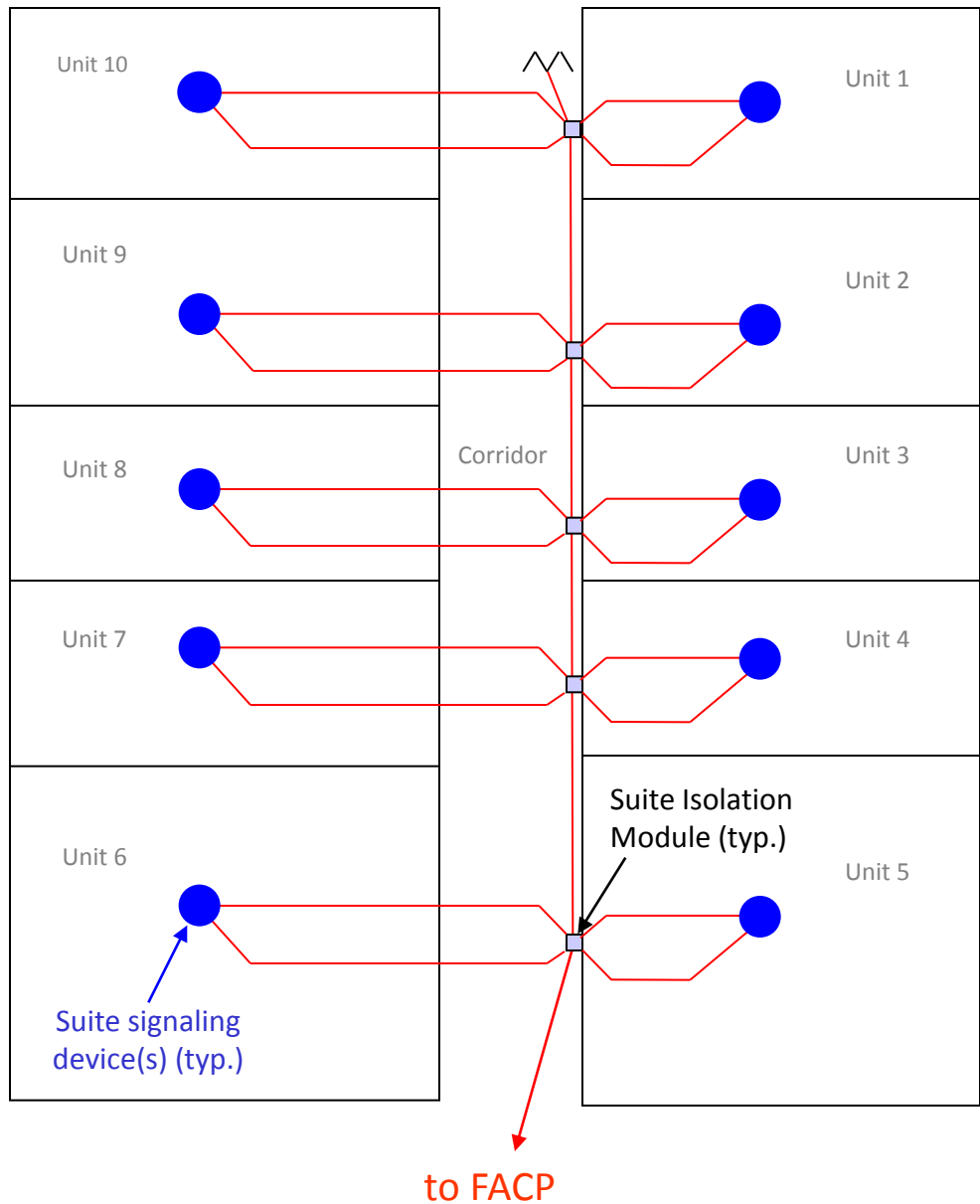
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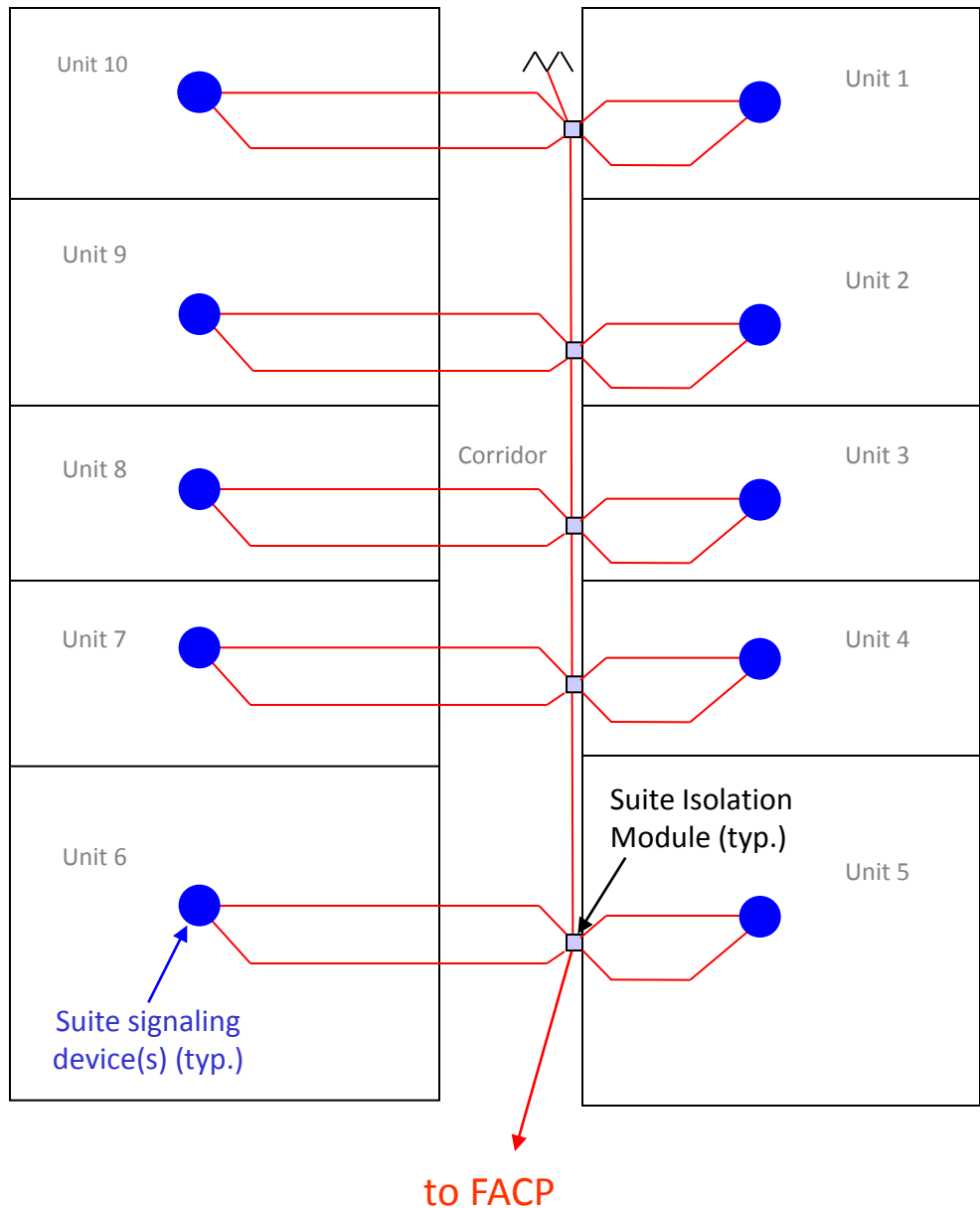
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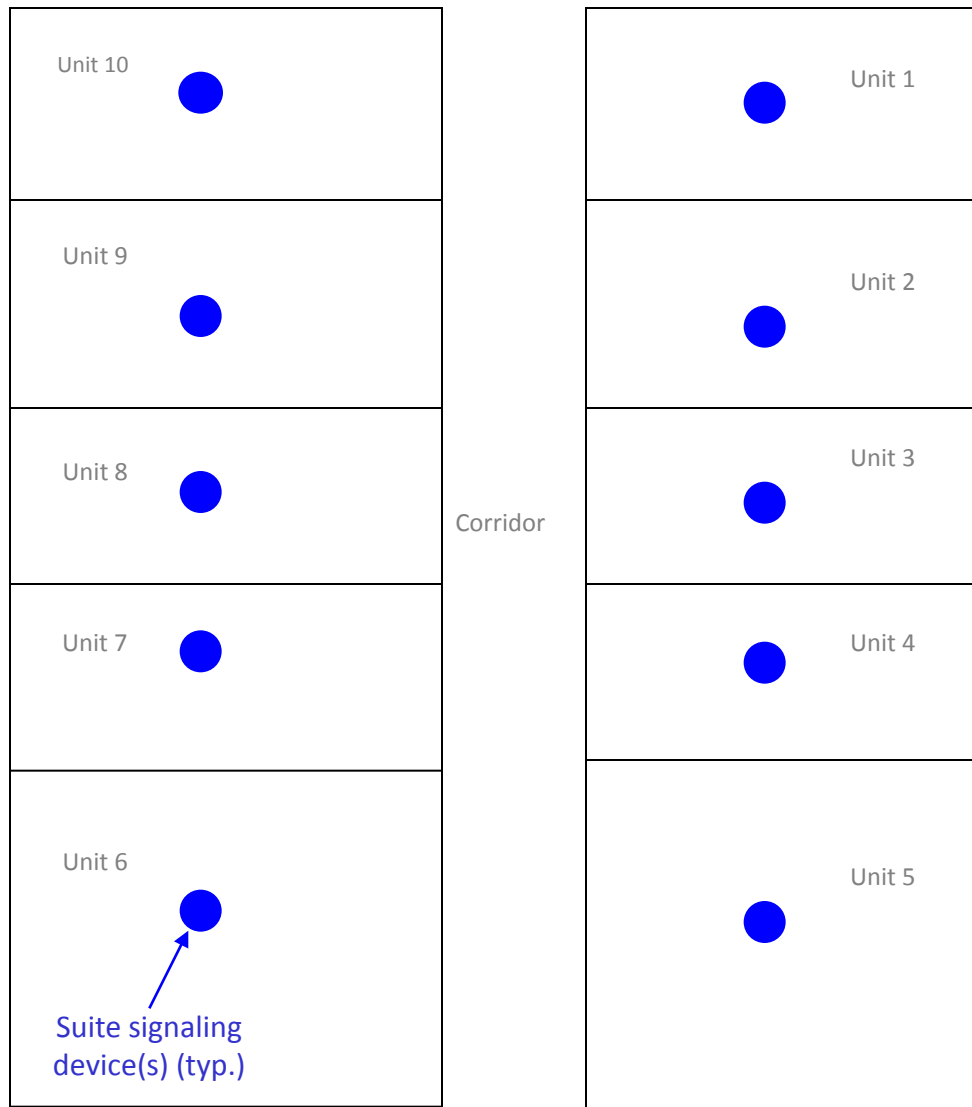


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Each audible signal device must be supervised!

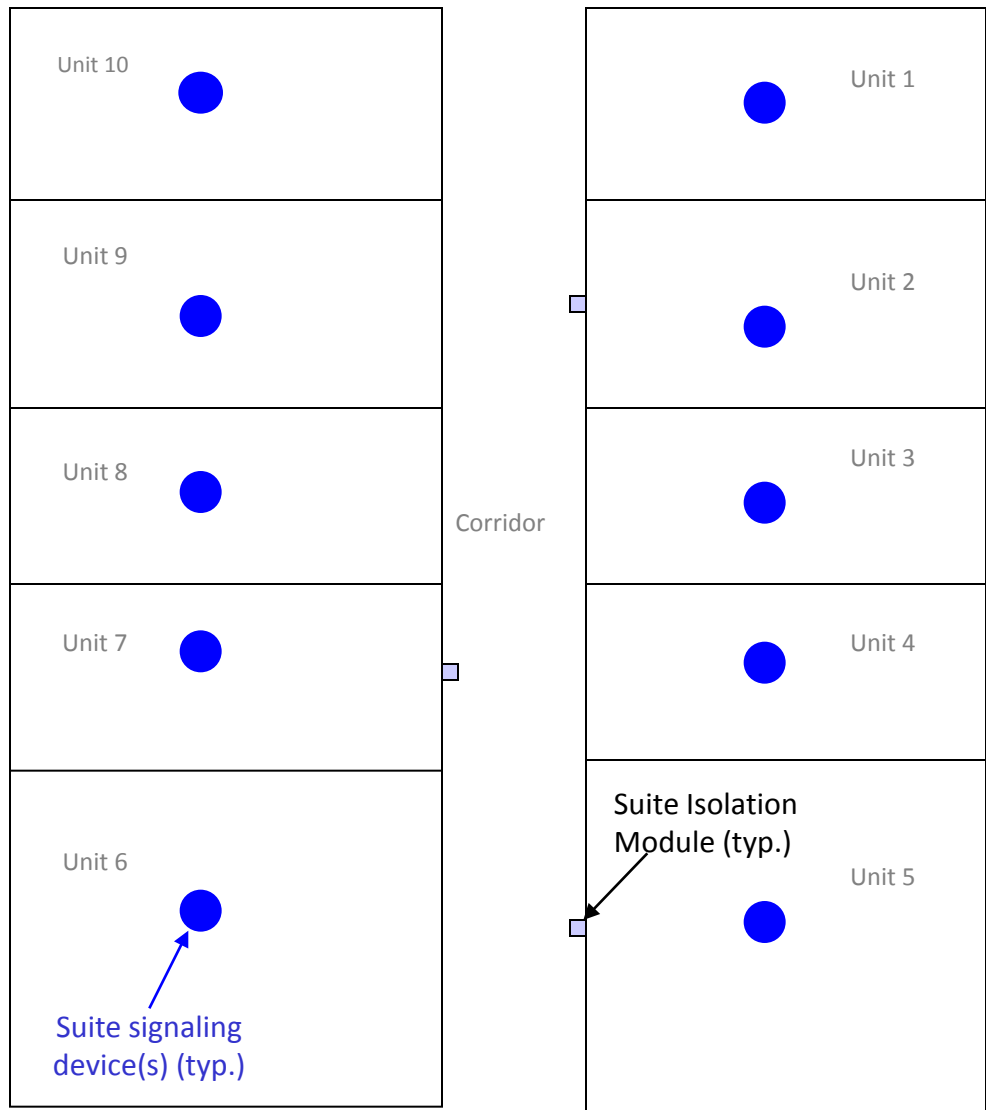
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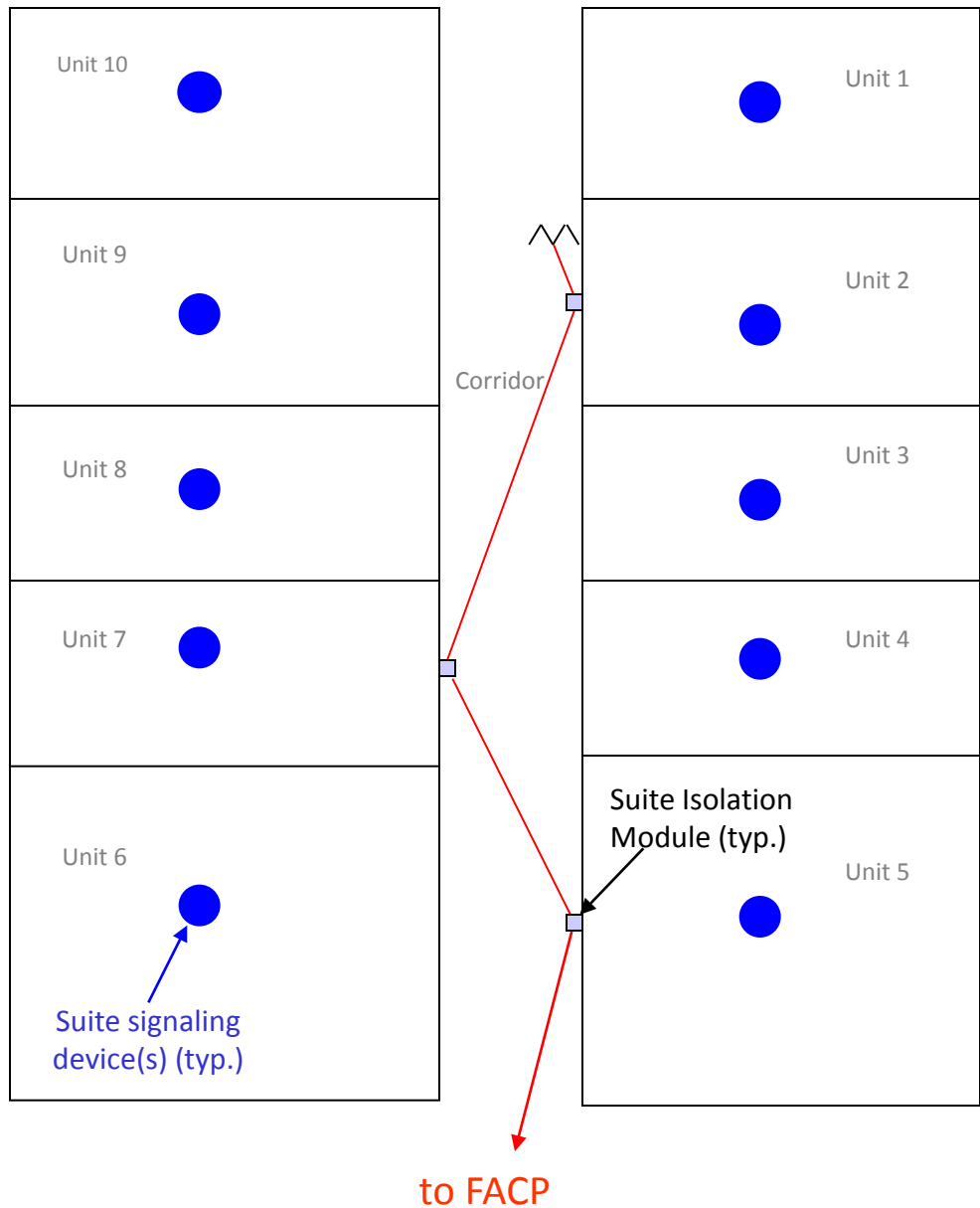
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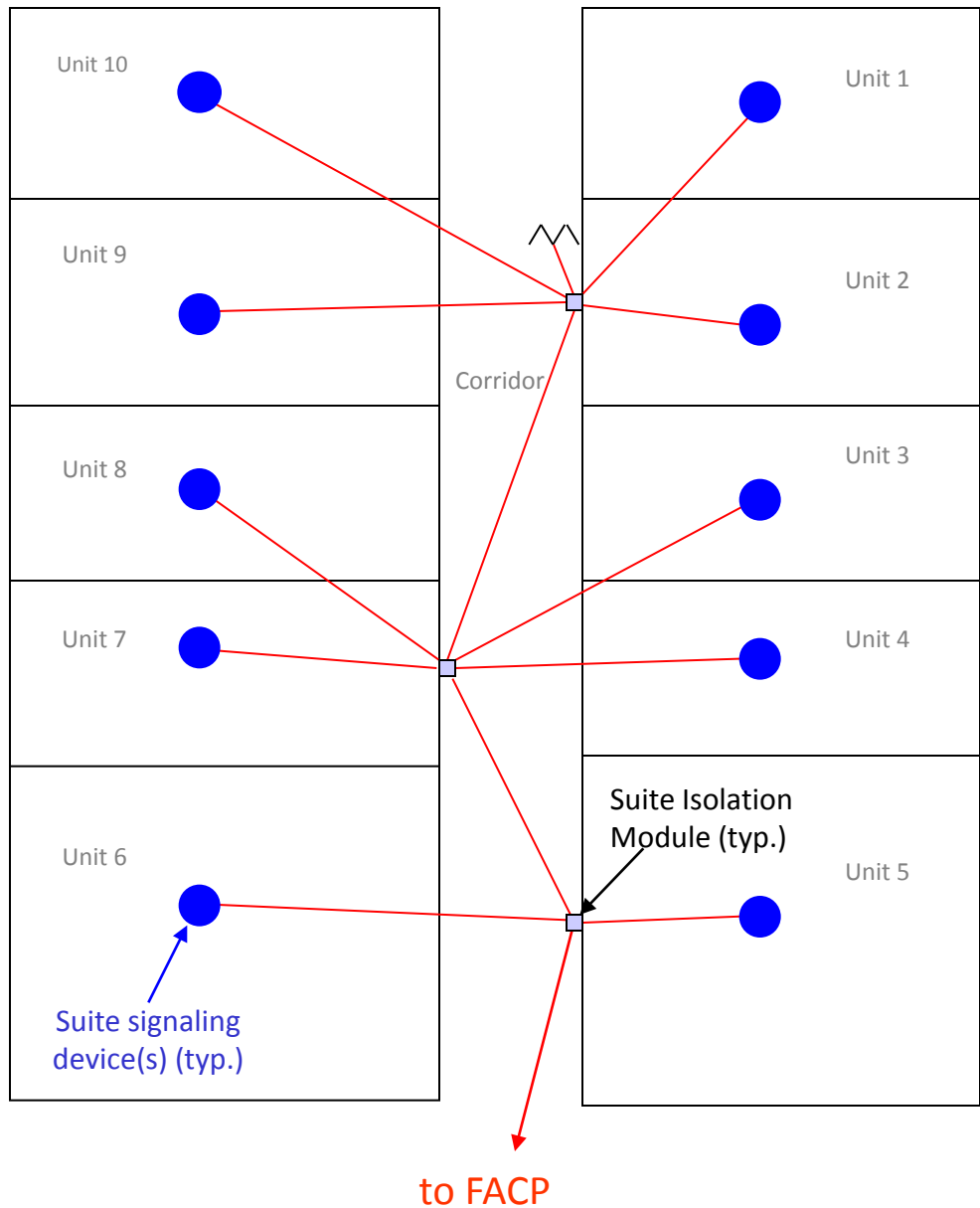
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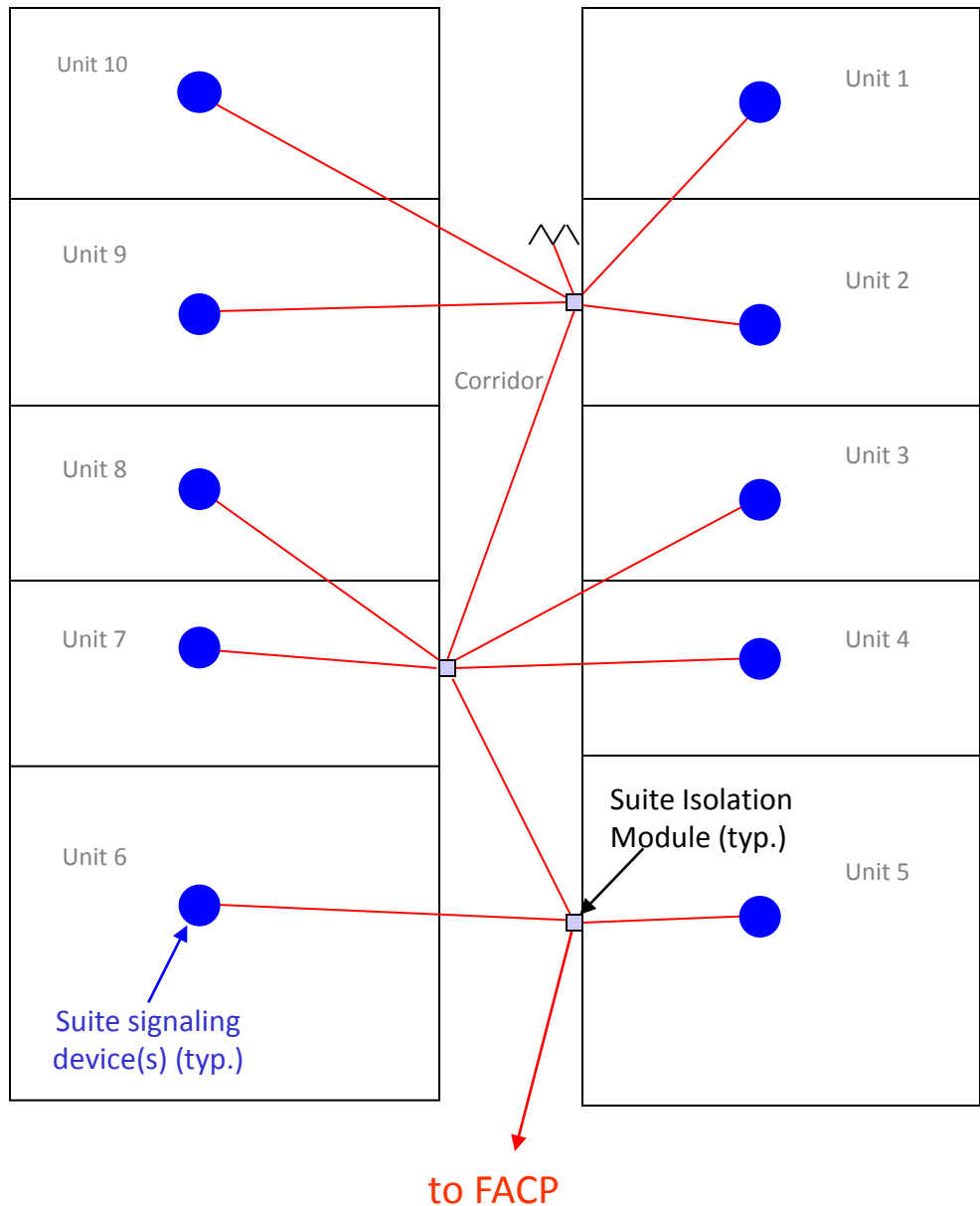
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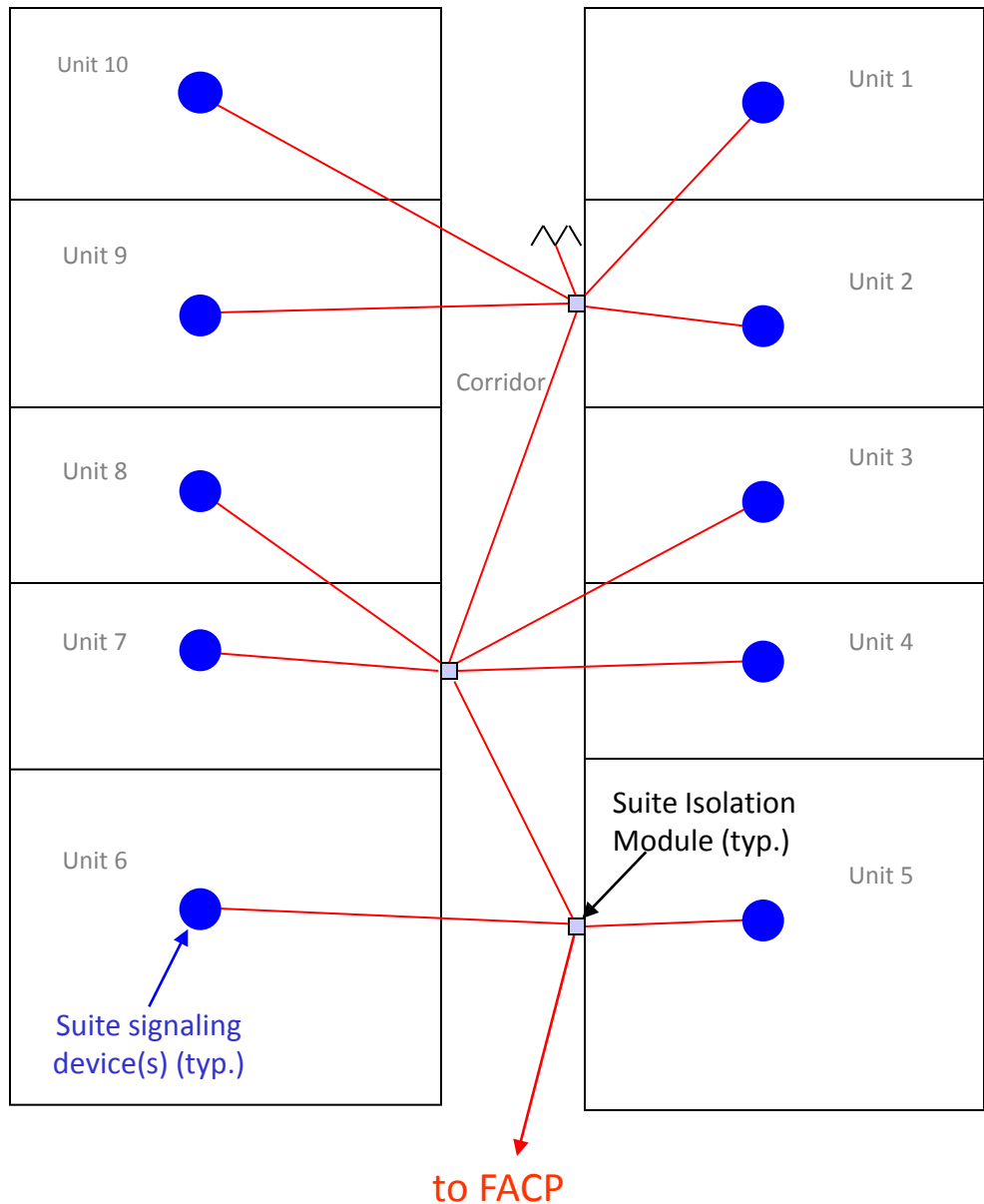


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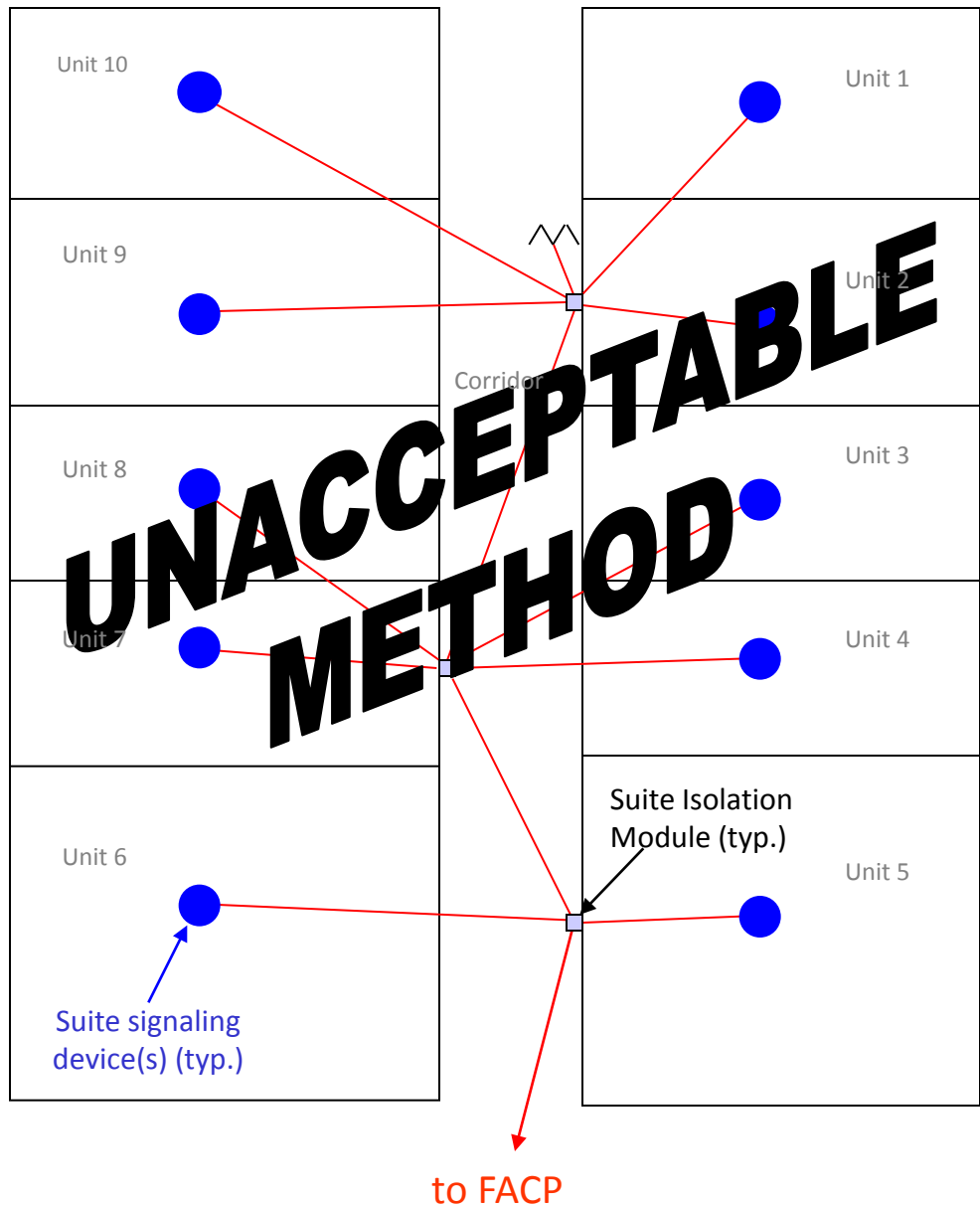
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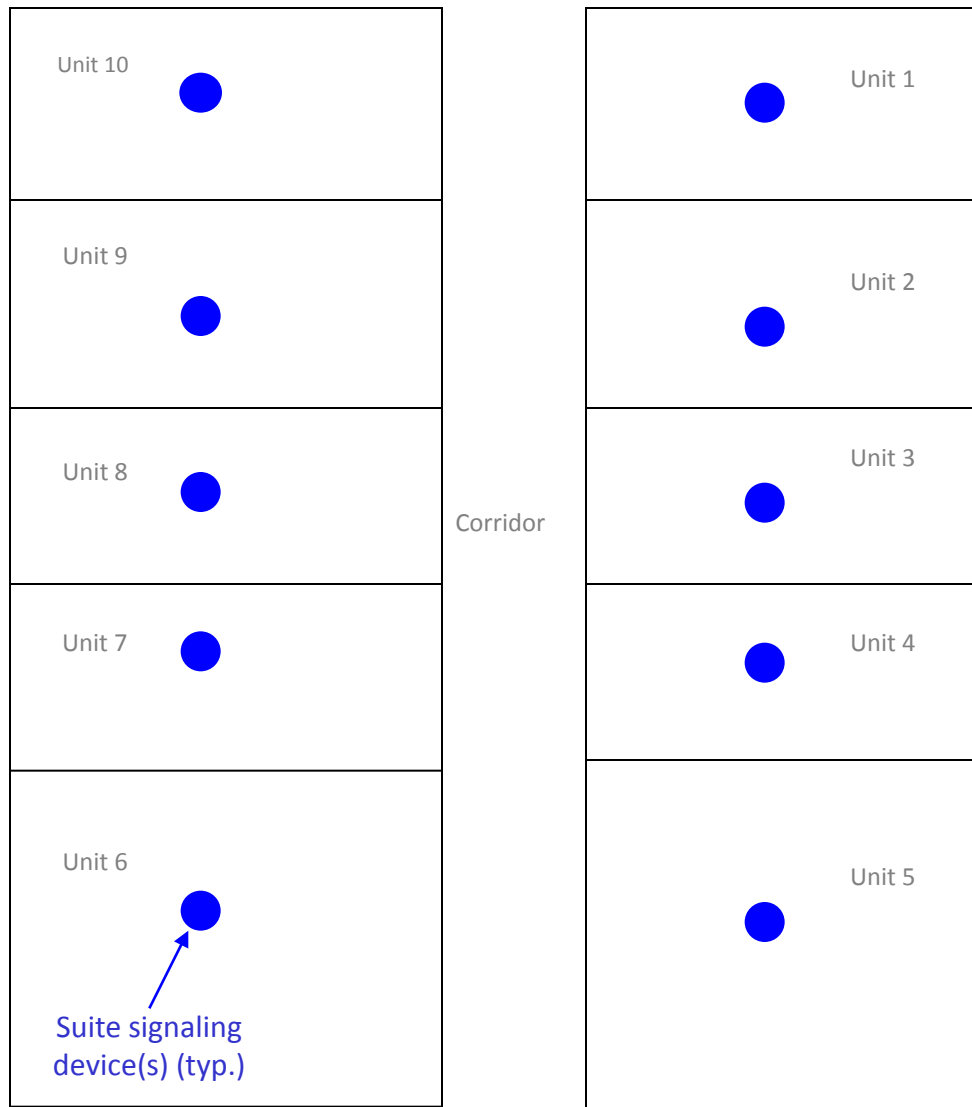
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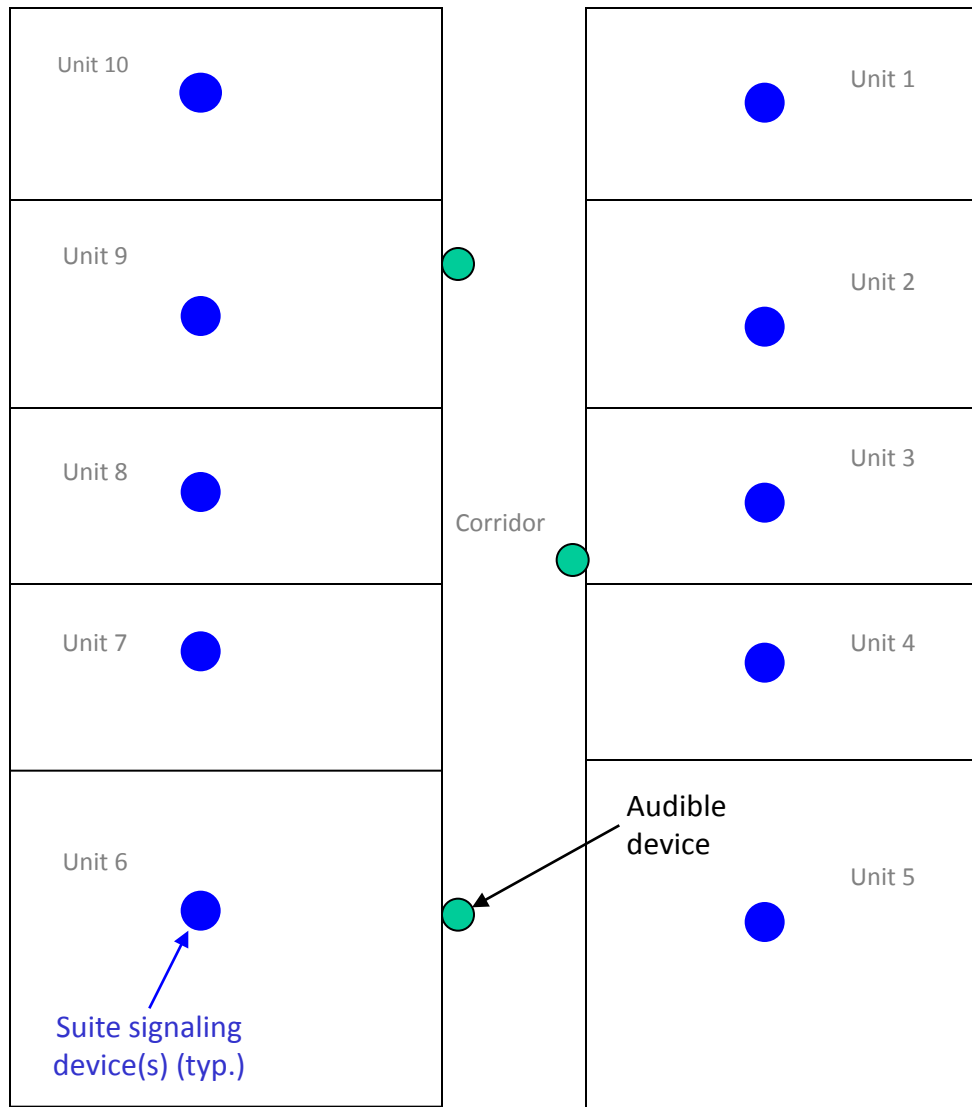
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Each audible signal device must be supervised.

The corridor audible circuit must be separate from other floors and from the dwelling units as per MBC Clauses 3.2.4.18.(11)(a) & (b). The circuit can be wired as Class A or B.

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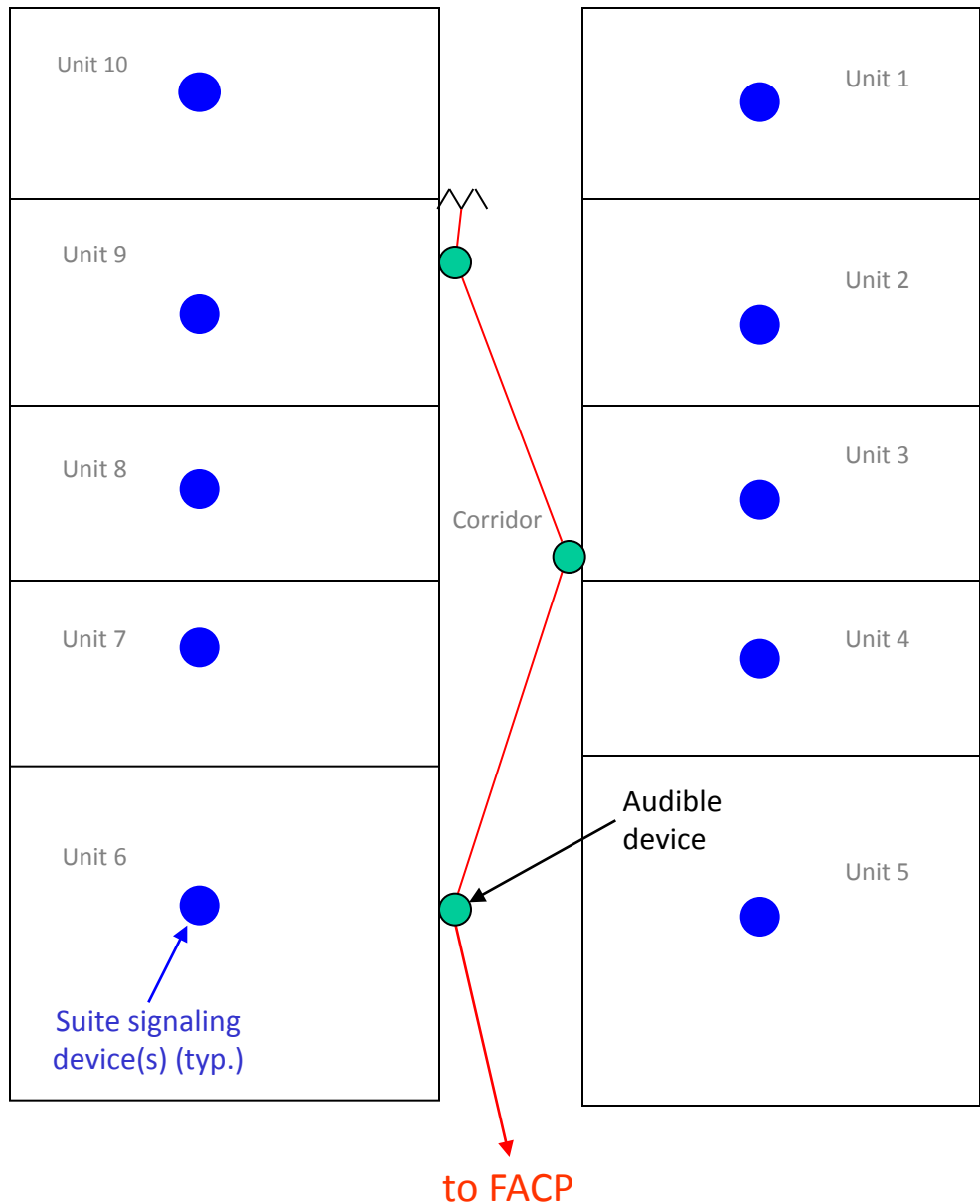
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