

PART 1: GENERAL

1.01 Scope of Standard

This standard provides general guidance concerning the specific preferences of The University of Texas at Austin for clock and bell systems.

1.02 General Requirements

Not all campus buildings will need clock and bell systems. Verify with the University. Where a clock and bell system is needed, clocks are to be limited to classrooms and main public spaces within the building, unless directed otherwise.

PART 2: PRODUCTS

2.01 Brands

In general, the products are limited to Simplex/Valcom product lines due to the age of multiple systems in use on campus. Any other brands must be submitted prior to purchase for review, approval and demonstration of compatibility.

2.02 Clocks

1. Replacement of Existing Analog Clocks/Bells:

Single Sided: Semi-flush 15" wall mounted clock, Simplex 6310-9250 with 2975-9038 back box.

Double Sided: Wall mounted 15" double dial clock assembly, Simplex 6310 series with 2975-9024 back boxes. Ceiling mount is not allowed for Double Dial Clocks

Bell: Semi Flush wall mounted 4" Low db. 115VAC bell signaling device with trim plate.



2. New construction Clocks / Bells

Analog Clocks: 16" IP PoE Analog Clock, #VIP-A16, or double sided #VIP-A16DS

Digital Clocks: 4" 4 digit clocks, IP PoE 4, VIP-D440 or double sided #VIP-D440D

Bells: to be determined by design requirements and technology needed. Maintain compatibility to the system.

PART 3: EXECUTION

3.01 Renovation of existing buildings.

Clocks and bells in older building typically use the Simplex Sync or Impulse systems. Use the following guidelines if the existing clock system is to remain as-is or with minor modifications. (See Figure 1)

1. Simplex Building Time Control Center VE8048 IP Input/Output Module
2. Building Clock and Bell floor junction box at each level to be labeled UT Clocks.
3. Wiring to individual instruments via 3/4" EMT conduit and #14 GA wiring. Wire color coding as follows: clocks - white = neutral, black = hot, red = correction, bells -blue.
4. Category 5e cable (or approved equivalent) from VE8048 to the nearest telecommunications room, not to exceed 295 cable feet.
5. Simplex Line Amp 2301-9513 and a 12VDC Bell signaling relay on a base.
6. Not applicable.
7. Wiring pathway between Communication Terminal Room (CTR) and Communications Gateway Room via floor sleeves and 3/4" EMT conduit.
8. 120 VAC, 20 amp power circuit dedicated to building Clock and Bell system.

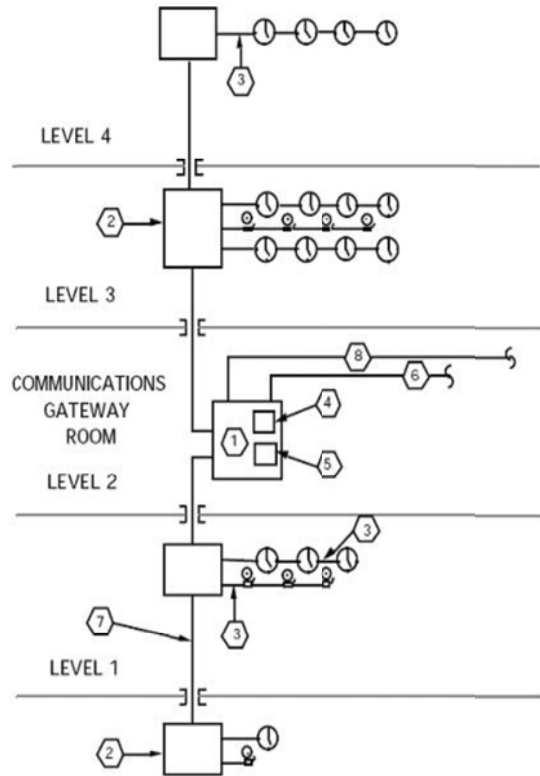


Figure 1: Simplex Sync or Impulse Systems

3.02 New Building Construction

Clock and bell installations in new buildings shall ensure the new clocks and bells are compatible to the following equipment. See Part 2 for product guidelines.

1. Clock Application Server, model VE6011 and VE6012. These two servers are installed in the University Data Center.
2. Category 5e (or approved equivalent) cabling between clock / speaker (bells) to the nearest telecom room. Installation to be consistent with IT Policies, Standards, and Guidelines at the following link: [IT Policies, Standards, and Guidelines](#)

3.02 Typical Clock And Bell Mounting Detail

Wallmount the clocks and bells are per figure 2.

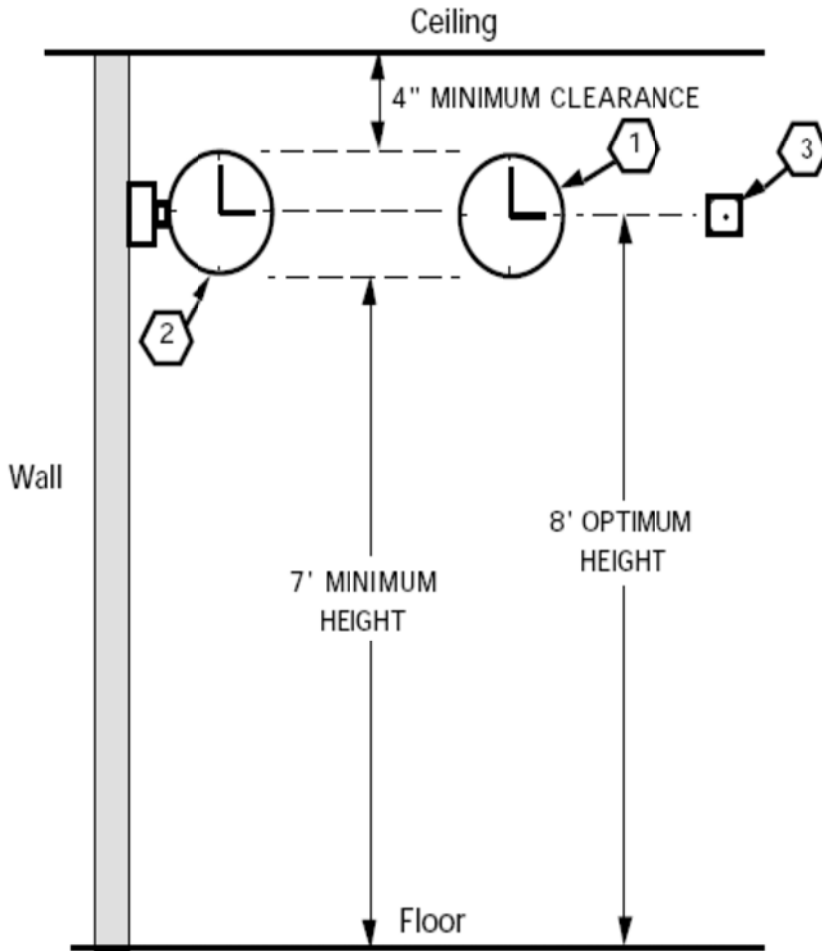


Figure 2: Clock Installation Requirements

END OF STANDARD