



1. Main Building

Internet Bridge unit receives signal

Bridge plugs into a network switch:

- Port 1: Internet feed (owner-supplied)
- Port 2: Incoming bridge signal (from bus station)

This building provides internet to the system overall

Main Building



Guard Shack

2. Bus Station / Guard Shack (local site)

Bridge transmitter unit mounted on the outside of small guard office
Points line-of-sight toward the main guard building (~1 mile away)

Local switch mounted inside the guard shack:

- Port 1: Incoming bridge signal
- Port 2: KT-4 controller
- Port 3: Computer workstation

Two KT-4 controllers wired to:

6 Weigand wireless transceivers, mounted on the interior wall

KT-4 #1:

- Input 1: Bus #1
- Input 2: Bus #2
- Input 3: Bus #3
- Input 4: Bus #4

KT-4 #2:

- Input 1: Bus #5
- Input 2: Bus #6



Bus #1-6

3. On the Buses (6 Total)

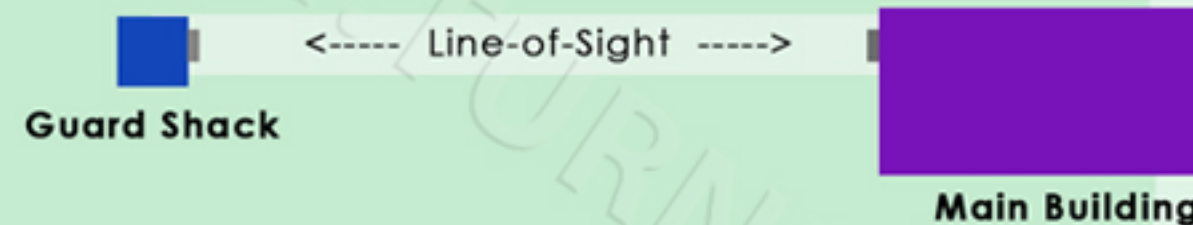
Custom reader box mounted near the bus door

Components inside:

- Card Reader (on exterior)
- Wireless Weigand Transceiver
- Battery (included in box)

Power:

- Owner must supply power (12V or 24V depending on bus specs)
- Power wired to the transceiver inside the box



Relay Wireless Bridge



RFID Reader



KT-4 Controller Kit



8-Port POE Switch



12V/12AH Battery

EQUIPMENT

- (1) EntraPASS Global Edition Software Workstation License
- (1) Dell All-In-One Workstation Computer
- (6) Relay Wireless WiFi Bridge System
- (6) HID ProxPoint Plus 6005 RFID Reader
- (6) Battery 12V DC, 12Ah, SLA
- (6) Bus Reader Box Enclosure
- (2) KT-4 – Four Door IP Controller Kit
- (1) ECBN EntraPASS Communication Bridge Network
- (2) Mounting Hardware (each location for ECBN)
- (1) 8-Port POE Switch
- (1) Misc Hardware Supplies, Wiring Cable



ECBN EntraPASS
Communication Bridge Network



Mounting Hardware
as Determined by Site



Wiring Package



Bus Reader Box

AUTHORIZED SIGNATURE: _____ DATE: __/__/__

FIRST DRAWN	BY
12-16-2025	RJI
REVISED	BY

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EQUIPMENT DETAILS	
BUNGE Bus Time and Attendance EntraPASS System Equipment Layout	
DRAWING:	
BUNGE Bus Time and Attendance Equipment Layout	
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