

Scope of Work

Project: Washington High School Telecenter U Installation

Bid No.: 26-13VR

District: Colton Joint Unified School District

Date: October 27, 2025

1. Project Overview

This project involves the removal of the existing Simplex communication system and the installation of a Rauland Telecenter U IP-based speaker/message board/clock solution. The upgraded system will provide a modern, reliable critical communication platform for classrooms, offices, and exterior campus areas.

2. Scope of Services

2.1 Demolition & Removal

- Remove the existing Simplex system, including cabling and speakers not compatible with new IP-based infrastructure.

2.2 Equipment Installation

- Install all **owner-supplied Rauland Telecenter U system components** in accordance with the supplied equipment list.
- Provide and install **Auxiliary Module** for monitoring company/door lock integration.
- Provide and install **UPS** for backup power (provided by owner if available).
- Install **Patton box** for telephone integration.
- Installation of **twenty-six (26)** TCU IP clock/speaker/message board combination units.
- Installation of **ten (10)** 4-button call switches using existing data drops.
- Installation of **one (1)** Workflow Kiosk and speaker in the staff room using a data drop from Room 10 (opposite side of the doorway).
- Connection of **two (2)** Zone Page Module/Amplifier combinations to the remaining interior and all exterior speakers.
- Addition of **three (3)** new exterior paging horns to address areas with insufficient coverage.

Note: Based on input from the School Resource Officer and school principal, no appropriate location exists at this site for the installation of an emergency button with screeching cover.

3. Customer Responsibilities

To support the successful implementation of the system, the District will:

- Provide one (1) data drop from Room 10 to the Staff Room.
- Provide one (1) active data port for each newly installed device.
- Ensure that each port is properly configured and programmed on the network switch.
- Coordinate and manage all installation labor through a separate agreement.

4. Contractor Responsibilities

- **Installer Qualifications:** An experienced Rauland Certified Installer who is an authorized representative of equipment manufacturer for both installation and maintenance and currently employed by an authorized Rauland education distributor of equipment required for this Section. Provide the following certifications at time of Bid.
 - **Contractor shall furnish all installation materials** required for proper system installation, including but not limited to: mounting hardware, cabling, connectors, patch panels, racks, and miscellaneous consumables.
 - Install all owner-supplied equipment, ensure system functionality, provide documentation, and coordinate with campus IT for switch connectivity.
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5. Equipment List (Owner-Supplied)

The following materials will be supplied and provided by the District:

Quantity	Vendor	Model No.	Description
1.00	Rauland	TCC2000	Telecenter Campus Controller
26.00	Rauland	TCC2011B	TCU Classroom Speaker Module
2.00	Rauland	TCC2022	Telecenter Campus Module
2.00	Rauland	TCC2045	Telecenter Campus IP Console
1.00	Rauland	TCC2055	Telecenter Campus Prog Module
4.00	Rauland	TCC2099	Universal Mounting Kit
26.00	Rauland	TCC3011S	TCU Small Message Board
2.00	Rauland	TCC3022	TCU Zone Page Amplifier Module
2.00	Rauland	TCC3022PS	TCU Zone Page AMP Power Supply

1.00	Rauland	TCC3066	Telecenter U Kiosk
10.00	Rauland	TCC4PB	4-Button Call Switch
10.00	Rauland	TCC4PBCC	4- Button Call Switch Cover
1.00	Rauland	TCU3000SW	TCU License-Controller
1.00	Rauland	TCU3100SW	TCU License-Stream To Sip
2.00	Rauland	3602	30-WATT Reentrant Paging Horn
1.00	Rauland	ACC1412	Paging Horn w/Baffle, Enclosure
26.00	Rauland	ACC3011S	Message Board Speaker Baffle
26.00	Rauland	ACC3011SBB	ACC3011S Surface Mount Back Bx
0.5	Tripp-Lite	SMART1500RM2U	UPS System, 1.5KVA rack mount
0.85	Planet Tech	FGSW-2624HPS4	24-Port 10/100TX 802.3 at PoE+2 Gig .../ 420W
1.00	Panet Tech	MGB-GT	Mini GBIC TP Module- 100M
1.00	Rauland	603101	Classroom Breakout Mod 10 Pack
0.5	Powersoft	Mezzo 602A PF00611	Audio Amplifier 2 Channel
1.00	Middle Atlantic	PD-920R-NS	Plug Strip
0.25	Belden	2413 T32A1000	SGE Category 6 Nonbonded- Pair Cables
0.25	West Penn	225	2C 16AWG Cable
0.25	West Penn	25224B	2C 18AWG Plenum Cable
0.25	West Penn	25291B	2C 22AWG SHLD Cable CMP
0.25	West Penn	25294B	2C 16AWG SHLD Cable CMP
1.00	Belden	C601107007	7' CAT6+ Patch Cord, Bonded-Pair, Purple
5.00	Panduit	NK688MBU	UTP RJ45 Cat 6 Keystone Punchdown Jack Module, BU
0.50	Panduit	DP24688TGY	Cat 6 Punchdown Patch Panel, 24 Ports, 1 RU Black
1.00	Panduit	NK4FWHY	NetKey Faceplate, Label Pocket, 4 Port, White
5.00	Panduit	NKBMWH-X	NetKey Blank Keystone Module, White
17.00	Panduit	NK6PC3VLY	Cat6 UTP Patch Cord; 3ft; 24 AWG; Unshield, Violet NetKey
1.50	Panduit	JB1DWH-A	Single Gang Low Voltage Junction Box- White
2.50	Panduit	DCF5WH-X	Pan-Way Wiremold Drop Ceiling Entrance fitting for LD5 WH
0.50	Radial	R800 1057	Bluetooth Stereo Direct Box
0.50	Amseco	Husk20	Bank Button / Husk Hold Up Switch
25.0	Caddy	CAT124Z34	¾" Cable CAT Hanger for ¼" Rod
0.50	Secure	VW-75005-BK	¾ Inch Continuous Black Hook and Look Wrap (5 yards)
1.00	Secure	AH-07050-BU	7 inch Plenum Rated Cable Tie (100-pack)

7. Deliverables

- Fully installed and operational Rauland Telecenter U IP critical communication system.

- As-built documentation including device locations and network terminations.
- Basic training for administrative and technical staff.

8. Schedule

- Project Start: To Be Determined
- Timeline subject to material availability and site access.

9. Acceptance Criteria

- System passes functionality and performance testing.
- Coverage confirmed in classrooms, offices, and designated outdoor areas.
- Client sign-off upon completion of training and demonstration.