

July 8, 2019

CCISD Building Security Project

***Bids are due: 10am July 17, 2019***

***Bid opening is: 10am July 17, 2019 at the CCISD in Hancock***

***All work is expected to be completed by Aug 20, 2019.***

***Questions can be directed to: Mike Richardson, REMC1 director.***

***906.428.4520x240, [mike@remc1.org](mailto:mike@remc1.org)***

***Any questions resulting in clarifications or modifications will be provided in writing and will be added to a FAQ clarification document in the online folder.***

REMC1 operates a regional Building Access Management system utilizing Avigilon Access Control Manager software tied to our regional Microsoft Active Directory Forest, using Mercury controllers and Schlage card readers.

CCISD wishes to have an intrusion alarm system using Bosch panels, fully integrated to the Avigilon system.

REMC1 will procure the Bosch panel and keypad (8512G and expansion module), and the Avigilon licensing, and will program the Avigilon and Bosch systems. Vendor will procure the remaining system parts (motion sensors, door position switches, etc), provide all wiring and installation of all parts. Motion sensors installed will be Bosch ISC-BDL2-W12 or equivalent. No wireless sensors are allowed.

This document, along with detailed building maps, informational spreadsheets and other spec sheets are available at the following link:

[https://drive.google.com/drive/folders/1PDB6dy9AANeddx\\_aPZur-qLSiKBv780d](https://drive.google.com/drive/folders/1PDB6dy9AANeddx_aPZur-qLSiKBv780d)

## **Wiring Requirements**

- Cabling will be installed to all relevant and applicable standards and best practices, including but not limited to ANSI/EIA/TIA 568B, 568C, 569A, 569B, and the National Electrical Code (NEC).
- Grounding must comply with ANSI-J-STD-607-A and appropriate standards.
- Contractor will comply with firestop requirements in Division 7 Section “Through-Penetration Firestop Systems.”, with TIA/EIA-569-A, Annex A, “Firestopping”, and with BICSI TDMM, “Firestopping Systems” Article.
- Contractor will provide and complete cable installation including wiring/cabling, testing, certification, cable hangers, jacks, boxes, faceplates, raceway, patch panels, connectors, labels, as needed. Existing racks are in place and to be used as needed.
- Map locations are approximations for bidding, exact locations to be verified prior to

installation.

- All building penetrations will be properly sealed for weather and fire retardancy.
- All passive components of the cabling system shall be warranted to be free from defects in materials and workmanship.
- Coordinate layout and installation of telecommunications pathways and cabling with District before installation begins.
- All electrical work to be completed by licensed and insured electricians.

**Specific locations installations are below. Specific panels, motion sensors, and keypad locations are noted.**

**Maps are available here: <https://drive.google.com/drive/folders/1sbG3tv9-4eotwaBGdhVNCha5F2Bp-tlO>**

## **CCISD**

The existing CCISD alarm system will be completely removed from the building. Existing intrusion wiring will be removed. All motion sensors and door position switches will be replaced with new units. All exterior doors (14) will have a dedicated door position switch installed for this system (cannot dual-purpose use the switch installed for Avigilon). REMC1 will provide a Bosch alarm panel for this location (B8512G-CP, 2x B920, & B208). The building will use a zone expander (B208). REMC1 will also provide 2 keypads for installation. The zones will be as follows:

1. Learning Center Temperature
2. Room 137 Temperature
3. Room 130 Basement Temperature
4. LC Reception Panic Button
5. Office 150 Panic Button
6. Admin Office Panic Button
7. Learning Center motion
8. Special Ed Offices motion
9. (Unused)
10. (Unused)
11. Admin Offices motion
12. REMC1 motion
13. Basement motion
14. Learning Center Doors
15. Special Ed offices doors
16. Admin offices doors
17. REMC1 doors
18. EXT5 Rear storage door

A [spreadsheet](#) is provided to define point connections.

A [map](#) is provided for equipment placement.

## **CCISD - CTE**

The existing CTE alarm system panel will be removed and replaced with a REMC1 supplied Bosch panel. Existing motion sensors will be reused with a few added. REMC1 will provide 2 keypads for installation.

- Inside the auto tech shop, the existing southernmost motion sensor must be moved into zone 5. Currently, it is wired to zone 4.
- Inside the welding shop remove the nonfunctional motion sensor.
- The 2nd floor east side of the building has no sensors or wiring and new equipment must be added.
- All exterior doors (10) will have door position switches added, connected to their defined zone (colored on the map).
- The existing Kidde fire alarm system will need to be integrated into the Bosch panel for consolidated notification call out (some Kidde reprogramming may be required).

The zones will be redone as follows:

1. Fire Alarm integration
2. 2nd Floor Conference Rooms
3. 2nd Floor Classrooms and Hallway
4. 2nd Floor Construction Trades
5. 1st Floor Welding Shop
6. 1st Floor Classrooms and hallway
7. 1st Floor Auto Tech Shop
8. (unused)

A [map](#) is provided for equipment placement.