Wisconsin Association of School Business Officials

Security Assessment:

Site Survey & Security Technology
Threat Preparedness

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2024 WASBO Facilities Management Conference

Wisconsin Act 143

Requires collaborative efforts between schools and law enforcement to conduct On-Site Safety Assessments

► Consulting with a local law enforcement agency to conduct a required on-site safety assessment of each school building, site, and facility that is regularly occupied by pupils.

► The on-site assessment should include playgrounds and athletic facilities or fields.

► The on-site safety assessment should be submitted to OSS annually, however, the assessment does not need to be conducted annually. OSS only needs to know the date of the last assessment when submitting the annual assessment. The due date for the first submittal was January 1, 2019.

Security Assessments

- A School Security Assessment is critical to identifying risks and security weaknesses for any organization.

- A School Security Assessment can help to identify gaps in a security program so that an organization can reduce risks and vulnerability.

- A School Security Assessment may identify policies, procedures, security hardware, and technology that can reduce risk.

- A School Security Assessment must be conducted to meet an adequate standard of preparedness.

WSSCA
Wisconsin School Safety Coordinators Association

WSSCA ASSESSMENT FORMS

School Security Assessment
Revised December 19, 2018
Kenosha Unified School District

Items in italics should be __observed__ in walk-through in addition to being addressed during interview.

District: _____ District Enrollment: _____ Date/Time: _____

School: _____ School Enrollment: _____ Staff FTE: _____

Grade Levels: _____ Sq. Footage: _____

Neighborhood Type: Residential Business Rural Industrial Other Acreage: _____

Vehicular Traffic: Light Main Roads Highway Heavy Other — Natural and/or Man-made Hazards: _____

Principal/Administrator: _____ SRO FTE: _____

Assessor(s): _____

The assessment began with a meeting including the following people.

Upon completion of our assessment, an after-action review was conducted. During this time the following items were addressed in the order they appear on the school security assessment tool.

I. Human Action

Criteria	Yes	No	N/A	Comments
A. Climate				
1. School demonstrates a welcoming environment. *(Explain what you saw: signs, parking for visitors, artwork, directions).*				
2. Student work is displayed to show pride and ownership by students. *(Describe what you saw: trophies, artwork, student projects, awards for alumni)*				
3. Students at High School and Middle School display, or are required to carry at all times, district issued student identification during the school day.				
4. Environment displays student activities and opportunities for involvement. *(Ask how students and families are informed. Describe: Team practice, club meeting times, "whom to call" notices)*				
5. Staff members are visible in hallways supervising/interacting with students before, during and after the school day.				

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	Yes	No	N/A	Comments
10. *Posted signs indicate restricted areas.*				
11. *Ground floor windows have functional locks and unbroken panes.*				
12. *Roof access is restricted.*				
13. *All trailers/outbuildings are secured to their location and labeled*				
14. *Areas around buildings are adequately lighted.*				
15. *Exterior doors:*				
a) *have a sturdy center mullion and/or are equipped with appropriate security*				
b) *have non-removable hinge pins*				
c) *unless designated for entry, lack exterior hardware*				
d) *allow for keyed re-entry*				
e) *door numbers are clearly visible on both inside & outside of exterior doors*				

IV. Summary Narrative

Q. Strengths	
R. Areas of Vulnerability & Opportunities for Improvement	
S. Final Comments	

Elements of a School Security Assessment

- Site Characteristics
- Emergency Operations Plan
- Response and Training
- Technology and Infrastructure
- Hazards and Threat Assessment
- Prevention Policies and Programs
- Recovery Planning

- Best conducted by third parties.

Assessment Categories

- Climate
- Emergency Operations Plan
- Preparation
- Training
- Teams & Roles
- Drills
- Visitors & Deliveries
- Threat & Risk Assessment

- Communications
- Monitoring & Surveillance
- Keys & ID's
- Building Access
- General Interior
- General Exterior

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Security Assessment EXAMPLE– Exterior Doors

- Act 143 requires all exterior doors locked during the normal school hours.

- Exception is during times of high usage – e.g. student arrival.

- If doors are unlocked prior to, during or immediately after the regular school day, a designated staff member must be present to visually screen everyone entering the school.

Physical Site Survey
Things to keep in mind:

Viewing Angle
Environment
Lighting type, level
Reflectance
Obstructions
Temperature
Humidity
Corrosives
Water
Vandalism

Mounting Conditions - Cabling
Entry Requirements
Accessibility
"Special" Objects / Scenes (some examples)
Vehicles
License Plates

Security Camera Systems

Physical Access Control Site Survey
Things to keep in mind

Points of Egress for public

Points of Entry for public

Special points of Entry

(I.E. Rec Dept., Fire Dept. Police Dept.)

Student Drop-off and Pick-up

NOTICE
ALL ACTIVITIES MONITORED BY VIDEO CAMERA

Physical Access Control Site Survey
Things to keep in mind

► Doors for Employee use

► Doors requiring higher security

► Handicap Operation and Accessibility

What CCTV Used to Be

Who?

What?

CLINTON HIGH SCHOOL
112 Milwaukee Road
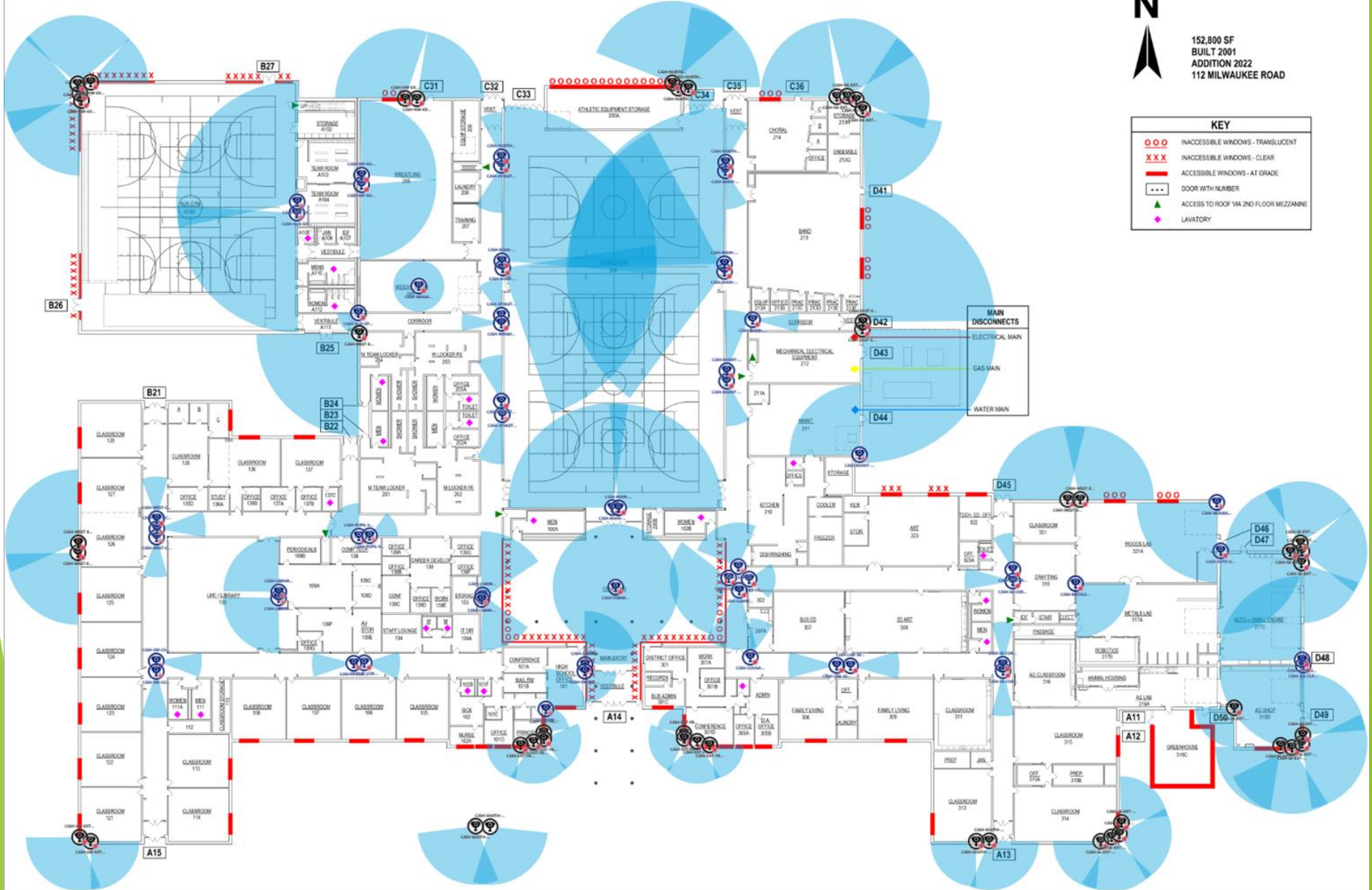
IT Video Surveillance

- **Benefits of Megapixel Cameras**
  - Increased resolution
  - Enhanced digital zooming features
  - All Network Based
  - More adjustability
  - Forensic Digital zoom capabilities
  - Flexible expandability

Main Entry Security

Customized Views

Access Control

- CCURE 9000 system
- Mixture of topologies
  - Many Doors terminated at 1 controller
    - iSTAR Pro
    - Up to 16 doors to 1 controller
    - Four wires from each door location back to controller (up to 400 ft)
  - One or two doors to each controller
    - iSTAR Edge
    - Controller mounted at door
    - POE device
    - Short wire runs from door to controller
    - No power supply needed at location, just a single cat5
  - Wireless
    - Schlage AD400
    - One access point can handle up to 16 doors
    - No wiring needed, just replace door hardware

Evaluate System Capabilities (Integration)

- **HVAC points and sequences**
- **Power metering and reporting**
- **Security and CCTV**
- **Lighting control**
- **IT health monitoring**
- **Fire alarm system monitoring**
- **3rd Party HVAC equipment integration (LonWorks, BacNET, Modbus)**

Renewable energies
HVAC control
Lighting control
Energy monitoring & control
Motor control
Critical power & cooling
Electrical distribution
Access control
Video security
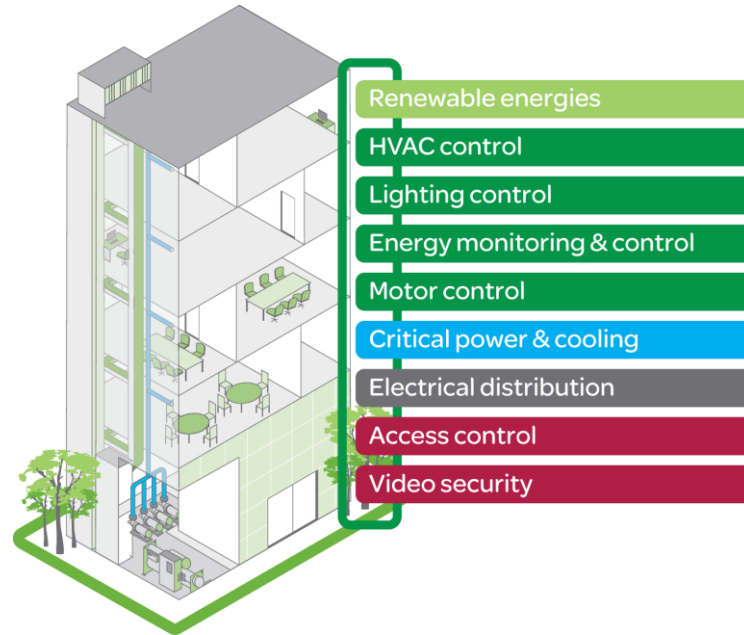
Intelligent Schools
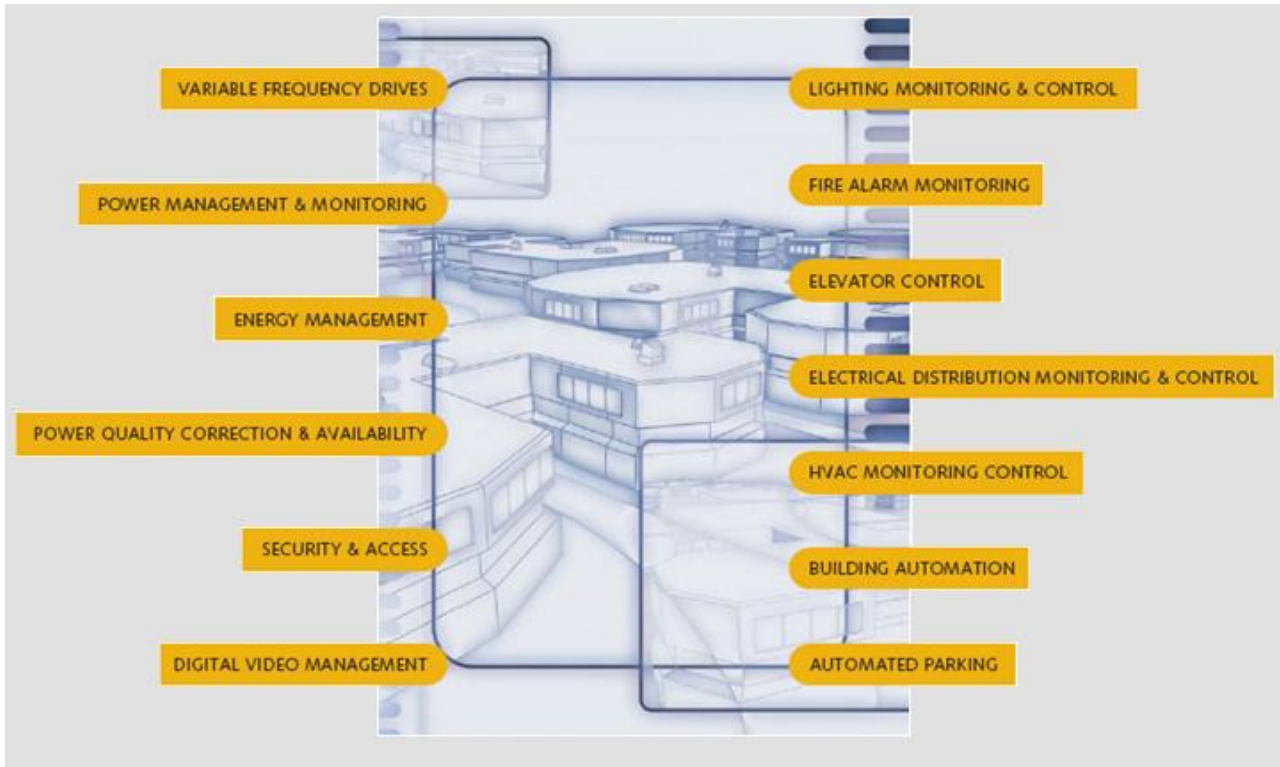
Intelligent Schools

- **Integrated HVAC Control**
  - **Common Graphical Software**
  - **Bacnet Enabled**
  - **Lon Enabled**
  - **Modbus Enabled**
  - **Integrated VFDs**
  - **HVAC systems with interfaced controls   MULTI VENDOR**
- **Integrated Surveillance/Security**
  - **Shared Graphical Software**
  - **Video embedded in Graphics**
  - **Automatically adjust Recording FR**
  - **Integrated with Card Access**
  - **Integrated with Lighting Control System**
  - **Integrated with door status**

Intelligent Schools

- **Integrated Lighting Control**
  - **Share Graphical Software**
  - **Share common protocol with Low Voltage Lighting System**
  - **Integrate with Security**
  - **Integrate with Terminal DDC Control**

- Power Monitoring
  - Why monitor your electrical services
  - What information can you see

- **Integrated IT Systems**
  - **Share Graphical Software**
  - **Integrated with Security**
  - **IT System Health Monitoring**
      - **Servers**
      - **Hard Drives**
      - **IP Cameras**

Communication Technology

▶ Information is the key to good decisions

▶ Information should flow in all directions

▶ Provide as much initial information as possible to as many people as possible

▶ Use any and all available means: text messages, PA system, digital signage, Internet, Twitter, Facebook, bells, etc.

▶ We use our phone system and/or push buttons to trigger an ALERT

▶ Also need call 9-1-1 for further details

Alert TECHNOLOGY

Alert TECHNOLOGY

► Uses Cisco phone system – VoIP phone in every classroom

► *Any staff member can initiate*

► Triggers an automatic announcement over intercom system at school and notifies all staff.

► Automatically locks any electronic latch in the building

INFORM

Using any means necessary to pass on real-time information

► **Plain Language**

- Who, what, where, when and how

- Can be used by people in the area or who may come into it to make common sense decisions

Inform TECHNOLOGY

Camera System

▶ More than 3,500 cameras at 40 buildings

(Average of 87.5 cameras per building)

▶ Elementary Schools: 25-50 cameras

▶ Middle Schools: 50-150 cameras

▶ High Schools: 150+ cameras

Inform TECHNOLOGY

Camera Access

► Locally at school

► Educational Support Center via command interface

► On the Cloud via laptop, tablet, and smartphone

► Local authorities (command unit, dispatch, squad cars)
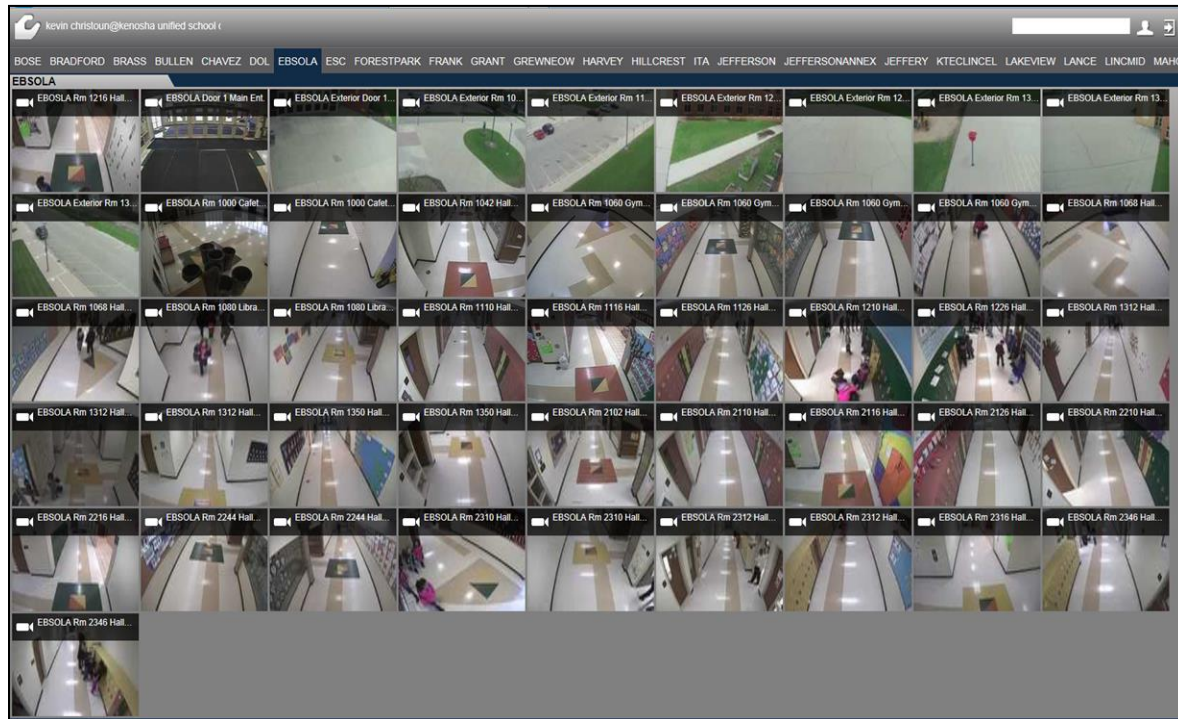
► **LIMIT EXPORTING VIDEO !**

Network Access

Network Access

▶ Up to 640 cameras can be shown at once in command center

▶ Easy to use – point and click

▶ Able to save videos as MP4 or other format

▶ Interfaces with the Informacast System

Cloud Access

(Ex: Eagle Eye and Verkada)

Remote Intercom Access

► System allows us to INFORM our staff, students and visitors remotely of what the active threat is and where they are in the building

► Staff in building then can make decisions to change their response to the threat (i.e. may go from LOCKDOWN to EVACUATE)

► Do you have staff practice making announcements ?

Technology Considerations

► When evaluating systems be sure to price out systems over a 7 year period. (annual licensing)

► Be sure vendors clearly identify features and functions in base cost vs. extra Cloud costs

► Open architecture

► Mobility Features

► Is there an app for that ?

▶ Questions?

Resources: (links or flash drive)

- <u>Crime Prevention Through Environmental Design Guidebook</u>
- <u>School Security Technologies</u>
- <u>School Grounds and Site Survey</u>
- School Safety Inspection Checklist

Available online: US Department of Education Vulnerability Assessment: <u>https://www.hsdl.org/?view&did=232984</u>

THANK YOU !