

# Hillsboro High School Campus

## 10 Year Health/Life Safety Survey and Facility Study Comparison



Hurst-Rosche, Inc.  
Architects / Engineers / Surveyors / Planners

# 10 Year Health/Life Safety Process

- Mandated since 1983
- Re-inspection is required every 10 years
- Identify applicable code violations that endanger the health/life and safety of occupants as determined by the applicable code

# 10 Year Health/Life Safety Process

- All visible parts of the building are examined and inspected.
  - Structure, walls, floors and ceilings
  - Windows and doors
  - Exposed components of mechanical, electrical and plumbing systems
  - Roofs and other components of the building's exterior

# 10 Year Health/Life Safety Process

- There is no investigatory demolition completed to gain access to concealed parts of the building.
  - Ductwork
  - Heating or plumbing piping
  - Electrical conduit and wiring
  - Structural systems
  - Other concealed components

# 10 Year Health/Life Safety Process

- “Health/Life Safety Code for Public Schools”, commonly referred to as “Part 180”
- It is important to understand that the Code used to analyze a school building is the Code that was in effect when the building was first constructed.

# 10 Year Health/Life Safety Process

- Part 185: Buildings prior to 1965
- Part 175: Buildings from 1965 to 1995
- “Modern Building Codes”: Buildings 1995 or newer

# 10 Year Health/Life Safety Process

- Consider the high school campus:
  - Main building – 1920
  - Agriculture building – 1954
  - Cafeteria building – 1960
  - Gym building - 1939, 1967 (w) and 2002 (e)

# 10 Year Health/Life Safety Process

- Typical violations:
  - Missing life safety items (fire alarms, emergency lighting, gas shut offs)
  - Lack of proper fire ratings
  - Improper egress or exiting requirements
  - Existing equipment that has worn beyond a normal lifetime
  - Other miscellaneous violations



# 10 Year Health/Life Safety Process

- Deficiencies not eligible without extreme circumstances and without the prior remediation of all other health life safety violations throughout the district.
  - Energy efficiency
  - School security
  - Playgrounds or paving

# 10 Year Health/Life Safety Process

- Deficiencies that are not covered
  - Furnishings and equipment
  - Handicap accessibility issues
  - Asbestos or lead based paint issues that are not an immediate danger
  - Violations created by a change in occupancy
  - Lack of technology infrastructure
  - Modern code safety such as tornado/storm shelter, earthquake design, or fresh air ventilation

# 10 Year Health/Life Safety Process

- A cost estimate for the correction of each violation is included and each violation is prioritized as follows:
  - “Urgent” - Pose an immediate danger to the safety of students.
  - “Required” - Necessary for a safe environment but present less of an immediate threat to the safety of students.
  - “Recommended” - Security items or energy efficiency projects.

# 10 Year Health/Life Safety Process

- Questions??

# Facility Study Process

- Identify the local educational needs for now and foreseeable future
- Determine current conditions of the HS including facilities and quality of teaching space
- Identify deficiencies and likely costs
- Engage the community
- Collectively determine the desired future of HHS, establish a master plan, and identify phases (if required)

# Facility Study Process

- Evaluate the site, parking, athletic fields, and overall grounds
- Evaluate buildings as a whole, for expected life, and maintainability
- Evaluate HVAC for effectiveness, energy conservation, and ease of maintenance
- Evaluate electrical systems for adequacy, technology, safety, and longevity
- Evaluate teaching spaces for flexibility, quality of educational opportunity, appropriateness for current and future curriculum
- Engage the community for input, potential partnerships, and ideas of opportunities

# Facility Study Process

- Questions??