



# BURLINGTON COMMUNITY SCHOOL DISTRICT COMMUNITY FOCUS GROUP





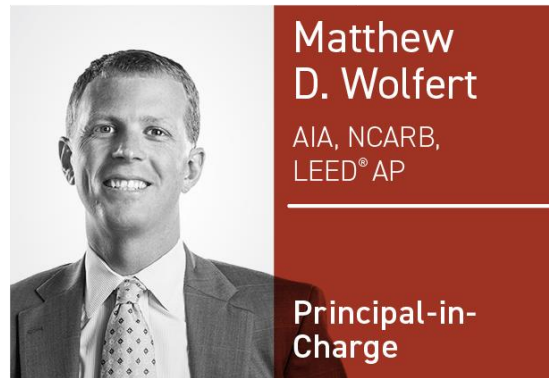
*WELCOME*



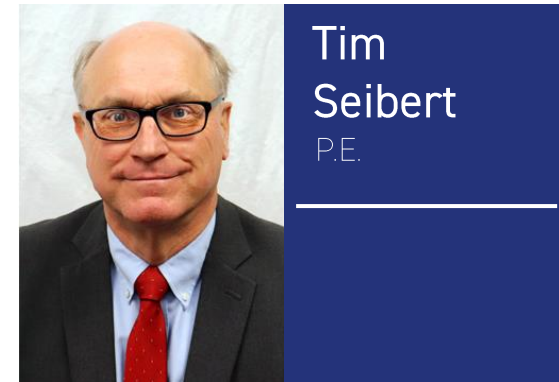


# *INTRODUCTIONS*

# team introductions



**Bray Architects**



**Carl A. Nelson & Co.**



# *PROJECT PHASES*

# project phases

- + **ESSER-Funded Air Quality Upgrades**
  - Improvement to building mechanical systems
  - Improvement to building envelope
- + **High School Master Planning**
  - Master plan for long term enhancement of High School
  - Includes possible expansion, remodeling, and renovation
- + **SAVE-Funded Initial Phase of High School Master Plan**
  - Implementation of First Phase of High School Master Plan



# *SCHEDULES*

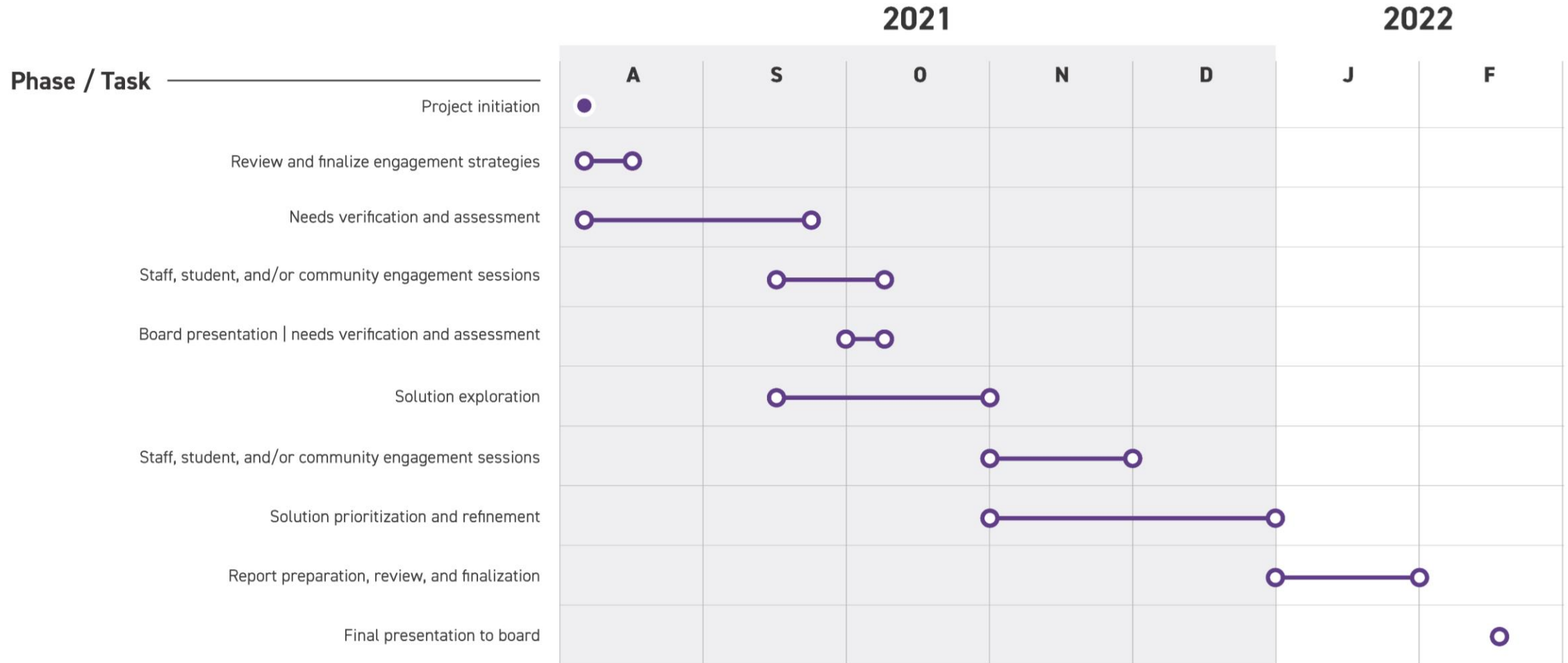






# Burlington Community School District

## Phase 1 - Facilities Assessment + Master Planning | Preliminary Timeline



The schedule above is preliminary and is subject to change.



# *ESSER PROJECT*

# air quality improvement (ESSER) project update

## ESSER Project Purpose

Improve indoor air quality by:

- + Improving air filtration by adding the ability to utilize MERV 13 filtration in all air handlers per ASHRAE Covid recommendations
- + Replacing antiquated HVAC pneumatic control system with digital direct controls (DDC) for better HVAC control including outdoor air
- + Replacing original 1966 air handling units with new equipment to insure necessary and required air flows including outdoor air are supplied to all spaces
- + Adding economizer modes to all air handling units to provide for 100% outdoor air supply when ambient conditions are suitable
- + Controlling humidity in the pool space

# air quality improvement (ESSER) project update

## ESSER Project Ancillary Benefits

- + Better temperature control in building spaces
- + Reduced building energy consumption
- + Reduced maintenance costs
- + Air conditioning added to gymnasium & locker rooms
- + Reduced corrosion in the pool space due to added humidity control
- + Extend the life of the high school
- + Reduced HVAC noise in certain areas of the building

# air quality improvement (ESSER) project update

## ESSER Scope Summary

- + Replacing all original air handling units which currently serve 241,545 s.f. (86%) of the 282,427 s.f. building
- + Air handling units for the following areas which are not original to the building are not being replaced:
  - o Safe room
  - o All areas of the industrial arts building except the wood, welding and manufacturing shops.
  - o Base budget does not include air conditioning at the wood, welding and manufacturing shops, see alternate

# air quality improvement (ESSER) project update

## ESSER Scope Summary (continued)

- + Replacement of all pneumatic controls with modern DDC controls
- + Replacement of all original hot water heating pumps
- + Replacement of hot water heating expansion tanks
- + Replacement of all original terminal boxes with new variable air volume boxes
- + Replacement of all original cabinet and unit heaters
- + Removal of all abandoned equipment from the building



# *CONCEPTS*

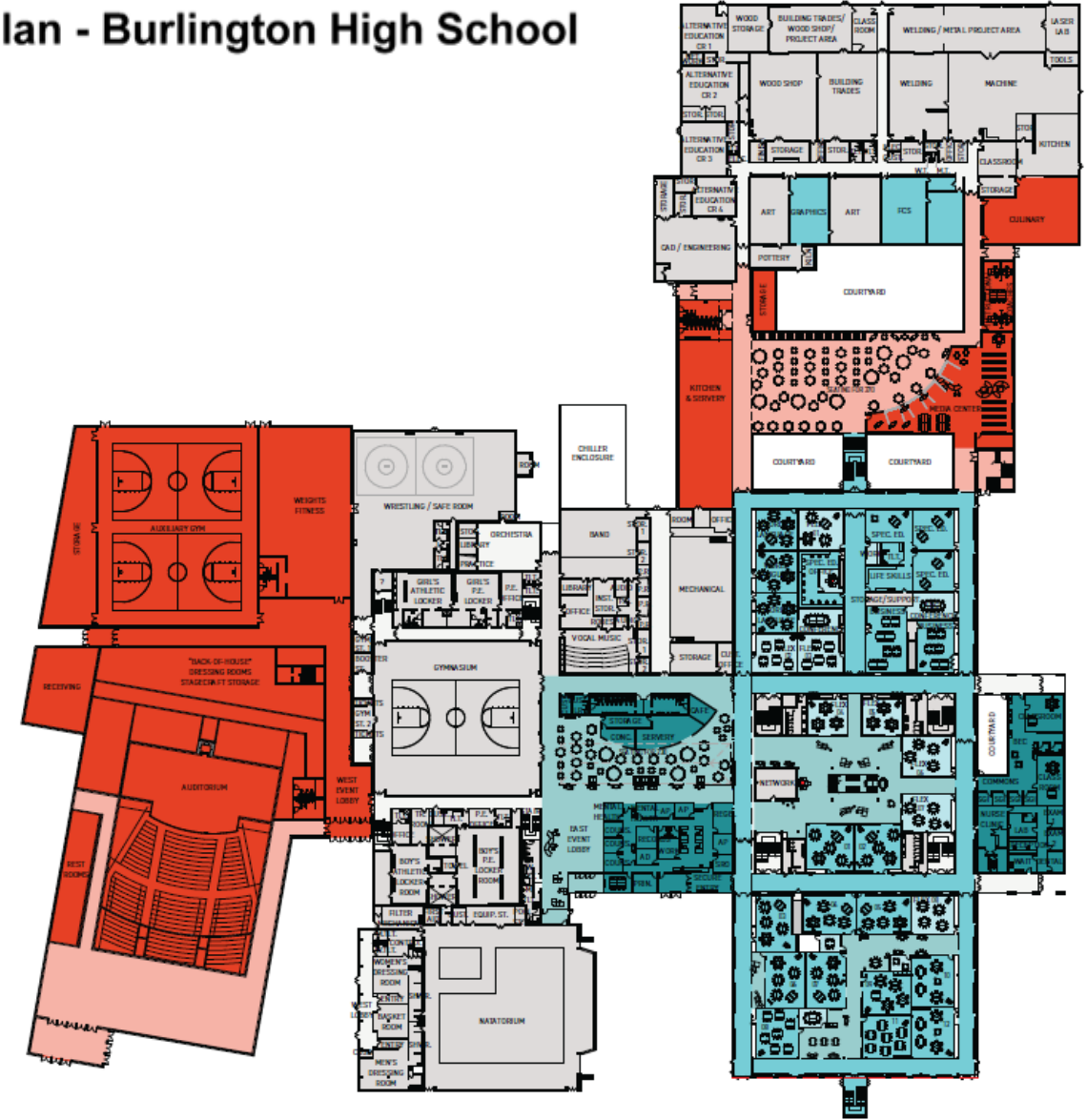
*SITE PLAN, FLOOR PLANS, PRELIMINARY 3D VIEWS*





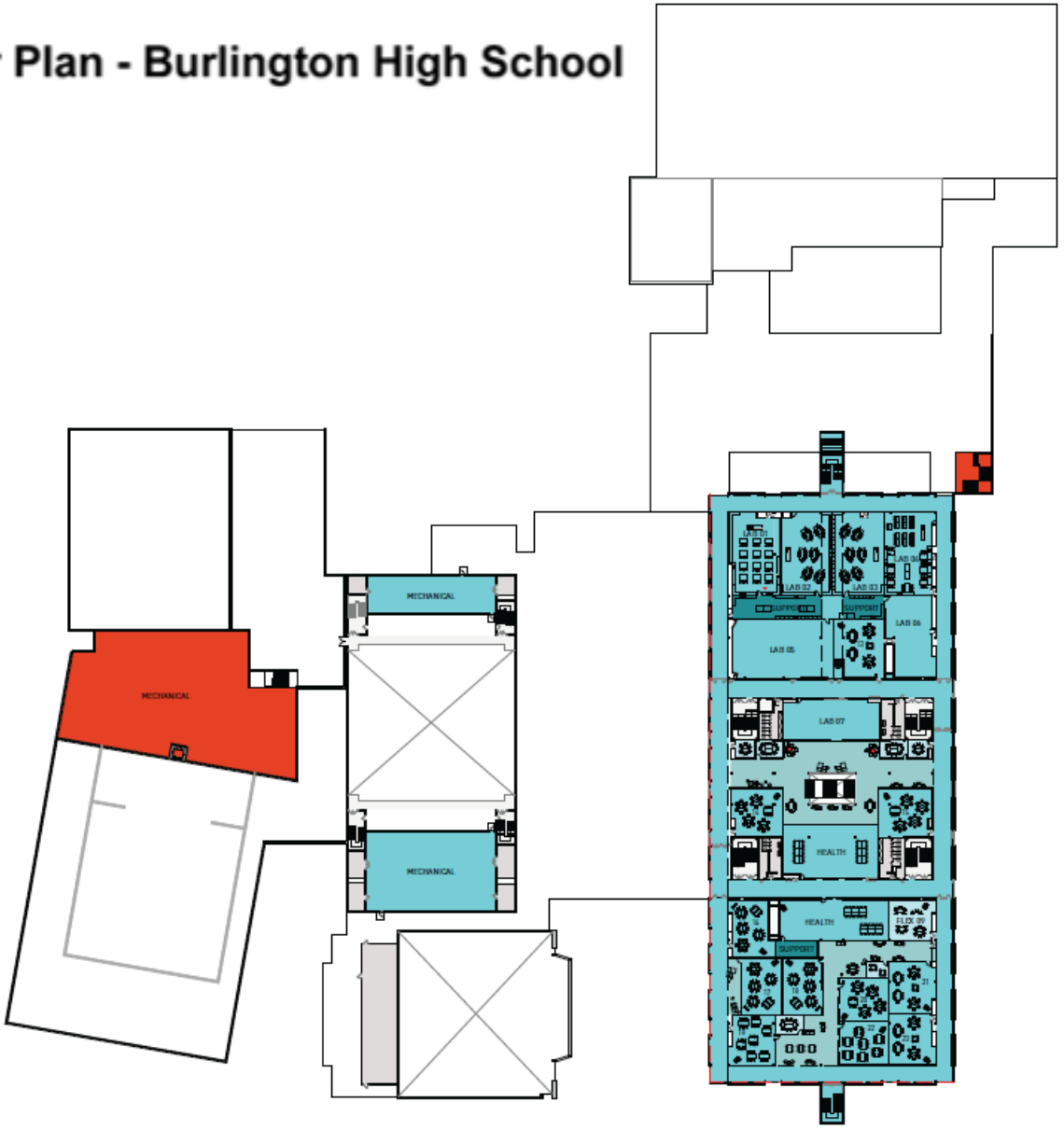
# First Floor Master Plan - Burlington High School

- SCOPE OF WORK**
- Existing
  - Existing - Circulation
  - New Construction
  - New Construction - Circulation
  - Renovation
  - Renovation - Circulation
  - Light Renovation
  - Light Renovation - Circulation



# Second Floor Master Plan - Burlington High School

- SCOPE OF WORK**
- Existing
  - Existing - Circulation
  - New Construction
  - New Construction - Circulation
  - Renovation
  - Renovation - Circulation
  - Light Renovation
  - Light Renovation - Circulation





*WHAT'S NEXT*

# next steps

- + January 10 = Board Meeting
- + January 24 = Board Meeting





*THANK YOU*