Welcome

BHS / BTC Building Construction Oversight Committee
AGENDA

- Welcome - review of meeting format 5 minutes 5
- Introductions - Members of the BCOC 2 minutes 7
- Purpose of the BHS / BTC Building Construction Oversight Committee 2 minutes 9
- Review of project requirements 5 minutes 14
- Overview of current working plan 20 minutes 34
- PCBs in building materials - Impacts on Design & Budget 10 minutes 44
  - BCOC member questions and comments 10 minutes 54
- Structure and Code - Impacts on Design and Budget 10 minutes 64
  - BCOC member questions and comments 10 minutes 74
- Public comments and questions 16 minutes 90

Total Time: 90 Minutes (5:30 - 7:00)

Next Meeting Thursday, December 19, 2019
Introductions

- **BHS / BTC Building Construction Oversight Committee:**
  - Clare Wool: Chair, Burlington Board of School Commissioners
  - Keith Pillsbury: Burlington Board of School Commissioners
  - Marty Spaulding: BSD Director of Property Services
  - Noel Green: BHS Principal
  - Nathan Lavery: Director of Finance
  - Kate Stein: BHS Parent and Substitute Teacher
  - Erik Hoekstra: Principal, Redstone Development
  - Peter Bahrenburg: Owner, The Bagel
  - Jordan Redell: Mayor’s Chief of Staff
  - Tom Peterson: Owner’s Project Manager
Purpose of the BHS/BTC Building Construction Oversight Committee

- Ensure that the project is carried out in a manner that is fiscally responsible and achieves educational and community goals
- Ensure the Board of School Commissioners is fully informed & accountable
- Provide regular project updates to Board of School Commissioners
- Provide regular project updates to City Council
- Provide regular project updates to City’s Board of Finance
- Provide regular project updates to the greater Burlington Community
Owner’s Project Requirements (summarized)

- 21st century learning spaces
- 100% ADA compliant and accessible
- Improved circulation and reduced transit times and distances
- Improved security
- Improved energy efficiency and lower operating costs
BUILDING F - TO REMAIN, REFERENCE FLOOR PLANS FOR COMPLETE SCOPE

BUILDING D - TO REMAIN, REFERENCE FLOOR PLANS FOR COMPLETE SCOPE

BUILDING E - TO REMAIN, WITH MINIMAL RENOVATIONS UNDER A SEPARATE CONTRACT

BUILDING C - TO BE DEMOLISHED

BUILDING B - EXISTING TO REMAIN, REFERENCE FLOOR PLANS FOR COMPLETE SCOPE

BUILDING A - EXISTING TO REMAIN, REFERENCE FLOOR PLANS FOR COMPLETE SCOPE

BUILDING A - DEMOLISHED SCOPE, REFERENCE FLOOR PLANS

EXISTING GLAZED CONNECTORS - TO BE DEMOLISHED

EXISTING WINDOWS, INFILL, AND ADJACENT MASONRY TO BE ABATED PER PCB SCOPE, INFILL REMAINING OPENINGS WITH STOREFRONT GLAZING

EXISTING SOLAR PANELS TO BE RENOVATED AND/OR RELOCATED DURING CONSTRUCTION (RE-ROOFING) - COORDINATE WITH OWNER'S PROVIDER

EXISTING WINDOWS, INFILL, AND ADJACENT MASONRY TO BE ABATED PER PCB SCOPE, INFILL REMAINING OPENINGS WITH STOREFRONT GLAZING

EXISTING WINDOWS, INFILL, AND ADJACENT MASONRY TO BE ABATED PER PCB SCOPE, INFILL REMAINING OPENINGS WITH STOREFRONT GLAZING
EXISTING WINDOW OPENINGS TO BE ENLARGED TO RECEIVE NEW STOREFRONT INFILL WINDOWS THAT EXTEND TO LEVEL 1 BELOW.

NEW PRIMARILY STOREFRONT ADDITION PROVIDING ACCESSIBILITY TO MUSIC/BAND ROOMS AND UPPER LEVEL PRACTICE ROOMS.


EXISTING GYM

EXISTING AUDITORIUM

PROPOSED AUXILLARY GYM

PROPOSED AUXILLARY ADDITION

PROPOSED ADDITION CONNECTING A AND B BUILDINGS.

THERMALLY BROKEN ALUMINUM CURTAIN WALL WITH LAMINATED-INSULATION-CORE METAL WALL PANELS WITH GLASS EXTERIOR FACING INTEGRAL WITH CURTAIN WALL MULLIONS.

EXISTING WINDOW OPENING STO BE ENLARGED TO RECEIVE NEW STOREFRONT INFILL WINDOWS.

STOREFRONT

NEW STAIR TOWER AND STRUTURES COMPARE

EXISTING GYM

EXISTING AUDITORIUM

RAMP PROVIDING ACCESSIBLE ENTRANCE TO NEW STAGE DOOR TO EXISTING STAGE

RAMP PROVIDING ACCESSIBLE EGRESS FROM PROPOSED AUX GYM

THERMALLY BROKEN ALUMINUM WINDOWS WITH PENCHE COMPOSITE MATERIAL (REYNOLD OR SIMILAR)

GAPPED 1x6 BORAL WITH PAINTED FINISH

PROPOSED AUXILLARY GYM ADDITION

3D SCHEMATIC EXTERIOR MATERIAL CONCEPT VIEWS

11/08/19 scale: 3" = 1'-0"
BURLINGTON HIGH SCHOOL RE-ENVISIONING

BLACK RIVER DESIGN Architects
NEW PRIMARILY STOREFRONT ADDITION PROVIDING ACCESSIBILITY TO MUSIC/BAND ROOMS AND UPPER LEVEL PRACTICE ROOMS

NEW STAIR TOWER AND STRETCHER COMPLIANT ELEVATOR - 4-STORY - ONE-SIDED - SERVING LEVELS A1-A4

EXISTING GYM
EXISTING AUDITORIUM
RAMP PROVIDING ACCESSIBLE ENTRANCE TO EXISTING STAGE

SIDING TYPE "A"

EXISTING GYM
EXISTING AUDITORIUM
RAMP PROVIDING ACCESSIBLE EGRESS FROM PROPOSED AUX GYM

PROPOSED AUX GYM ADDITION
PROPOSED ADDITION CONNECTING A AND B BUILDINGS

GAPPED 1x6 BORAL WITH PAINTED FINISH

SIDING TYPE "A"
SIDING TYPE "B"
SIDING TYPE "B" BASE WITH PUNCHED THERMALLY BROKEN ALUMINUM WINDOWS WITH ALUMINUM COMPOSITE MATERIAL (REYNOBOND OR SIMILAR)

GAPPED 1x6 BORAL WITH PAINTED FINISH

SIDING TYPE "A"
SIDING TYPE "B" THERMALLY BROKEN CURTAIN WALL SYSTEM, SEE OUTLINE SPECIFICATION

3D SCHEMATIC EXTERIOR MATERIAL CONCEPT VIEWS
11/08/19  scale: 3" = 1'-0" BURLINGTON HIGH SCHOOL RE-ENVISIONING
Existing vs Proposed Program Spaces

- **Number of General Classrooms**
  - Existing = 39
  - Proposed = -42

- **Average Size of General Classrooms**
  - Existing = 695 sf
  - Proposed = 730 sf

- **Number of Small Group Classrooms**
  - Existing = 0
  - Proposed = 3
Existing vs Proposed Program Spaces - continued

- **Number of Conference Rooms**
  - Existing = 1
  - Proposed = 6

- **Administrative & Support Spaces**
  - Existing = 13,500 sf
  - Proposed = 21,200 sf

- **Science Rooms & Labs**
  - Existing = 8,700 sf
  - Proposed = 9,700 sf
PCBs in Building Materials

- PCBs have been detected in building materials throughout the campus
- Found mostly in window caulking
- Disposition of PCBs is regulated by Region 1 EPA
- PCBs have leached into masonry and are at actionable levels
- Sampling to be completed next week, followed by a work plan
- Removal will likely be required and will increase design and construction costs
- Order of magnitude could be several million dollars
Structure and Code Requirements: Impact on Design and Budget

- The extent of renovations triggers upgrades to current building code
- This requires substantial upgrades existing building structure
- Impacts include:
  - More extensive structural engineering
  - More challenging architectural design
  - More costly construction
Next Regularly Scheduled BCOC Meeting

- Thursday, December 19, 2019
- 5:30 - 7:00 PM
- BHS Cafeteria
Send your questions and comments to the BHS/BTC Building Construction Oversight Committee (BCOC)

C/O Tom Peterson
Peterson Consulting, Inc.
Email: tom@pcivt.com
Phone: 802-324-4885
Website: www.pcivt.com

We will consolidate questions and periodically post responses on the project website.