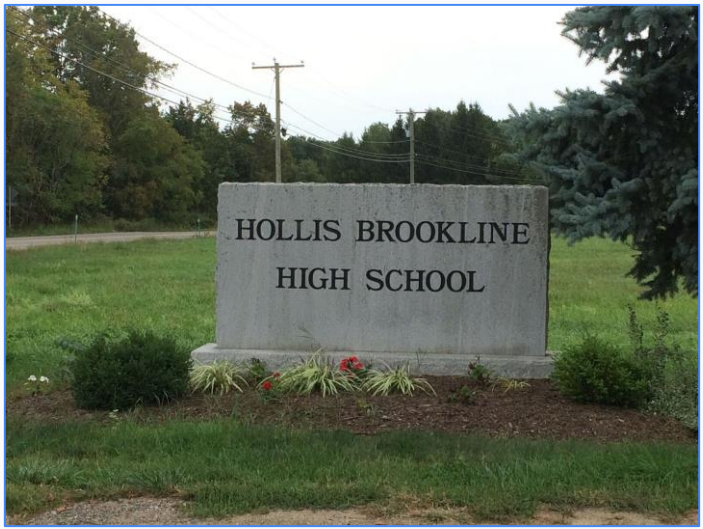
Hollis Brookline High School Public Forum




HOLLIS BROOKLINE HIGH SCHOOL



Goals--Long Term & History

- ➔ Community expressed desire to bring robotics program back to HBHS
- ➔ School Board identified desire for field in summer 2016
- ➔ FY17 focus on STEM in feeder districts
- ➔ 2016-2017 investigated pathways for acceleration in STEM at HBHS
- ➔ FY18 converted 0.8 FTE math/computer science → 1.0 FTE computer science

Goals--Short Term

- ➔ Determine curricular needs
- ➔ Bring robotics program back to HBHS
- ➔ Transform weight room facility into cross training fitness center
- ➔ Create a private space for the trainer to work with student athletes
- ➔ Install new rectangular field

Process

- ➔ November 2016, Facilities Study Group was formed at Board meeting
- ➔ Group met in January 2017 to determine charge and refine purpose
- ➔ Split into subcommittees for focused work
- ➔ May 2017, Board authorized expenditure of FY17 funds to hire architect firm
- ➔ June 2017 interview firms
- ➔ June 2017, Board accepts recommendation of committee
- ➔ July-September 2017, begin committee work with Banwell

Process Cont.

DRAFT

Brookline Hollis High School
Program

Enrollment =TBD
Core Design= TBD

NAME	SCHOOL /GRADE	STATE STANDARD	EXISTING ROOM #	EXIST. AREA	EXIST NEEDS	NEW NEEDS	RECOMMENDATIONS	WANTS	COMMENTS
Specialized Classroom									
COMPUTER LAB/ RESEARCH	HS	750 sf min. 30 sf/ HS student minimum x 25 students		1,300	1,300				Exist has 20 desktop computers + seating for 22 in PBL. New room to have 25 students max with 6 desktop computers and laptops/ tablets for all others. Adjacent to Fabrication Lab. Room used by Robotics Business group as well.
COMPUTER INSTRUCTION	HS	360 sf min. 30 sf/ HS student minimum x 12 students	Not Exist	0				400	Small group instruction. 12 student Software group could use
ROBOTICS SOFTWARE GROUP	HS	750 sf min. 30 sf/ HS student minimum x 25 students		1,000	800				MS exist sf to be confirmed. 12 students in group. New room can be remote from Robotics Fabrication and Research Labs. General HS classroom can be used for this.
ROBOTICS FABRICATION LAB	HS	1500 sf min. 75 sf/ HS student minimum		1,150	1,500			300	Exist lab at MS and shared with business group. New lab shared by Mechanics and Electrical group. # of Students requires confirmation for DOE compliance
ROBOTICS CUTTING ROOM	HS		Not Exist	0	150				adjacent to Fabrication Lab
3D PRINTER	HS		Not Exist	0		80			adjacent to computer research lab
FABRICATION LAB STORAGE	HS		Not Exist	0		130			adjacent to computer research lab
ADMIN - TEACHER OFFICE	HS			80	80				Computer teacher and Director of Robotics. Adjacent to Labs
Specialized Classrooms Subtotal				3,530	3,830	210	0	700	
Core Area									
EXERCISE ROOM	HS			2,822	2,500				Machines instead of free weights. 600 of open fitness area for flexible use with curtain. Storage at perimeter of room
TRAINER				212	208				Existing in Exercise Room. Move to existing Athletic Directors office
ADMIN- ATHLETIC DIRECTORS	HS			208	220				Move from first floor concession area. Shall be adjacent to exercise room. Ideally with windows into exercise room, Main Gym and Mini-Gym
Core Area Subtotal				3,042	2,928	0	0	0	
Facilities Support									
TABLE AND CHAIR STORAGE	HS							480	adjacent to main gym (alternate)
ATHLETIC UNIFORMS STORAGE				860	400				More efficient LF in closets in locker corridor. Equipment storage to detached trailer/ shed
TOILET- GIRLS	HS			50	50				
TOILET- BOYS	HS			50	50				
TOILET- GIRLS	HS		Not Exist			50			New at second floor
TOILET- BOYS	HS		Not Exist			50			New at second floor

9/12/2017

1

- ➔ Quantifying needs…
- ➔ Examining specs

DRAFT

Brookline Hollis High School
Program

Enrollment =TBD
Core Design= TBD

NAME	SCHOOL /GRADE	STATE STANDARD	EXISTING ROOM #	EXIST. AREA	EXIST NEEDS	NEW NEEDS	RECOMMENDATIONS	WANTS	COMMENTS
Facilities Support Subtotal- Itemized				960	500	100	0	480	Does not include shed or vehicle maintenace
Outbuilding(s)									
DRAMA SET STORAGE	HS		metal shed			200			for set panels currently discarded after every show
ATHLETICS STORAGE	HS		trailer/ shed		360				Equipment
TABLE AND CHAIR STORAGE	HS		metal shed	0			480		alternate is attached to main gym
Outbuildings subtotal				0	360	200	480	0	Not included in Base Building square footage

banwell ARCHITECTS

Existing Conditions



- ➔ Existing space in middle school
- ➔ Overcrowded & cluttered

Existing Conditions



- ➔ Overlap of safety zones for machinery
- ➔ Lack clear sightlines for supervision

Existing Conditions





- ➔ Lack of appropriate storage
- ➔ Blocked doorways

Existing Conditions





- ➔ Insufficient space
- ➔ Lack clear sightlines for supervision

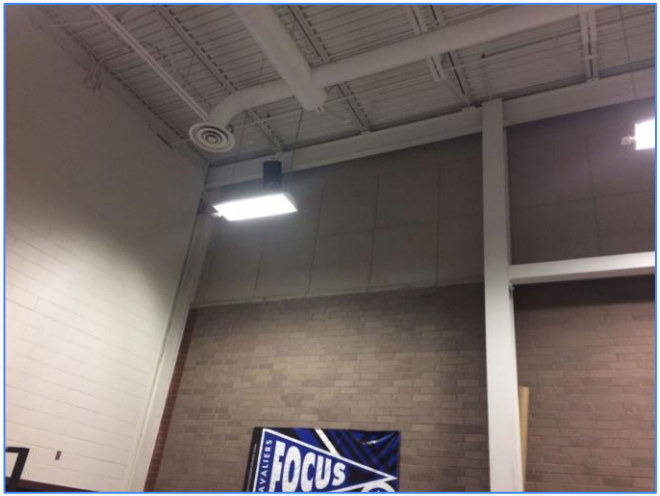
Existing Conditions



- ➔ Large weight room
- ➔ Wasted space overhead

Existing Conditions





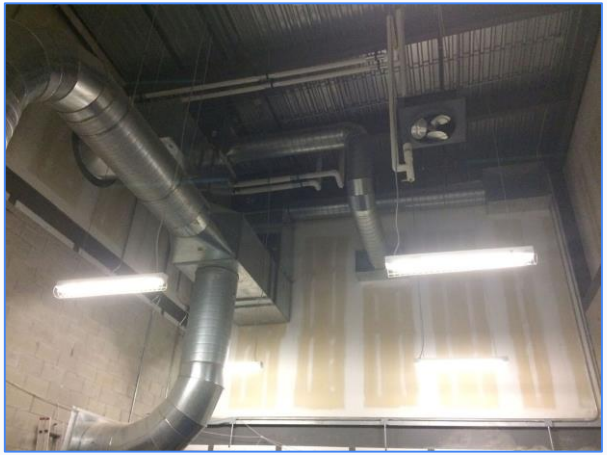
Existing Conditions



- ➔ Lack of privacy for trainer when working with student athletes
- ➔ Inefficient use of space by the far wall

Existing Conditions





- ➔ Storage room for wrestling mats
- ➔ Wasted, unused space overhead

Proposed Renovation to Include:

➔Updated facilities for instruction of:

- ◆ Robotics courses
- ◆ Engineering courses
- ◆ Computer courses

➔ US First Robotics Team to return to HBHS

➔ Appropriate storage of materials for robotics, theater, and athletics

➔ Cross-training fitness center to meet the needs of >300 student athletes in any given season

➔ Appropriate space for trainer to work with student athletes

➔ Improved supervision of gym and mini gym

Proposed Renovation to Include:

➔Creation of instructional space for:

- ◆ Robotics course(s) at HBMS
- ◆ HBMS Robotics team to utilize space

➔ Leverage the HBHS facility assets better for after-hours robotics use

- ◆ Improved security
- ◆ Improved supervision
- ◆ Remote classrooms for team meetings and small group
- ◆ Mini gym for robotic testing

➔ Equipment lockers in “equipment” corridor near gym

➔ Optional storage shed addition by the gym

Curricular Needs



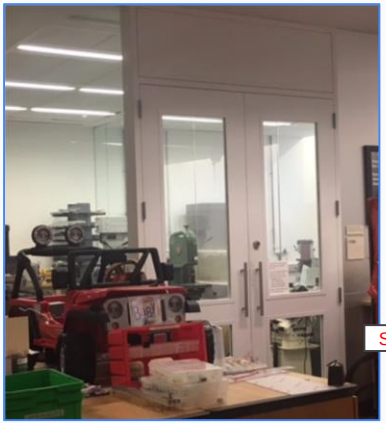
- ➔ Articulated K-12 vertical progression of coding, CS, and robotics
- ➔ Shifting of entry level course from HBHS to HBMS
- ➔ Addition of higher level offerings to the HBHS department

Classroom Needs



- ➔ Flexible work space
- ➔ Appropriate ventilation for computers
- ➔ High end computers to handle graphics
- ➔ Wireless upgrade
- ➔ Computer space
- ➔ Table space for project work/build
- ➔ Kit storage
- ➔ Moveable
- ➔ Ceiling mounted electrical

Robotics Needs







- ➔ Clean Space (finer tools/computers)
- ➔ Dirty Space (large tools)
- ➔ Wireless upgrade
- ➔ Work space
- ➔ Computer space
- ➔ Table space
- ➔ Robotics storage
- ➔ Moveable
- ➔ Ceiling mounted electrical

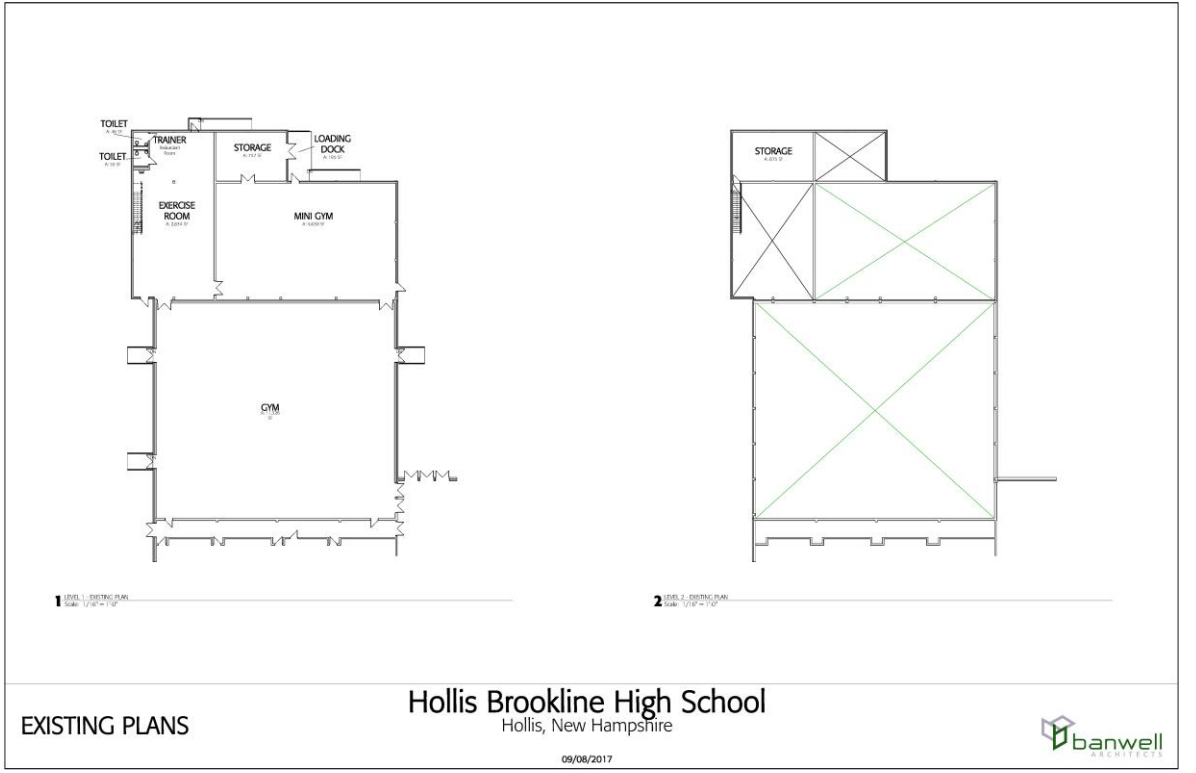
Storage



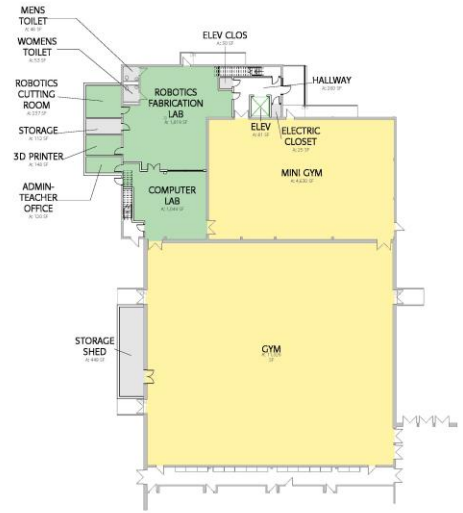




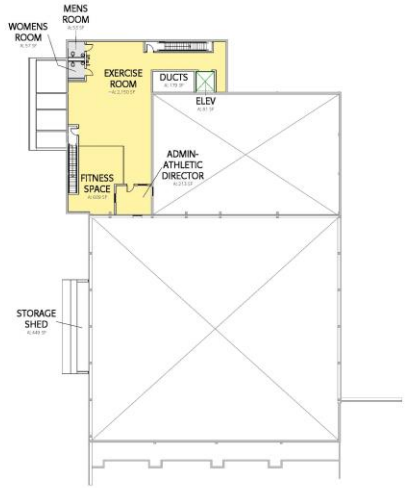
Existing Floor Plans



Proposed Option



1 LEVEL 1 - FLOOR PLAN PRESENTATION - OPTION 1
Scale: 1/16" = 1'-0"



2 LEVEL 2 - FLOOR PLAN PRESENTATION - OPTION 1
Scale: 1/16" = 1'-0"

Department Legend

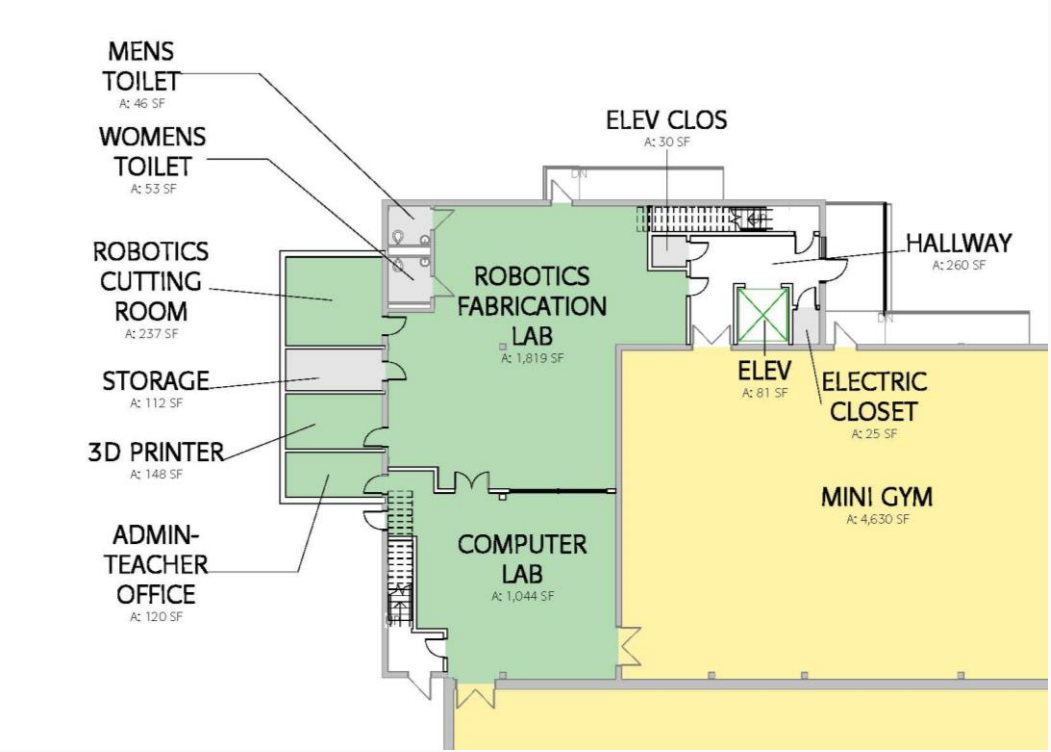
PROPOSED

Hollis Brookline High School
Hollis, New Hampshire

10/4/2017

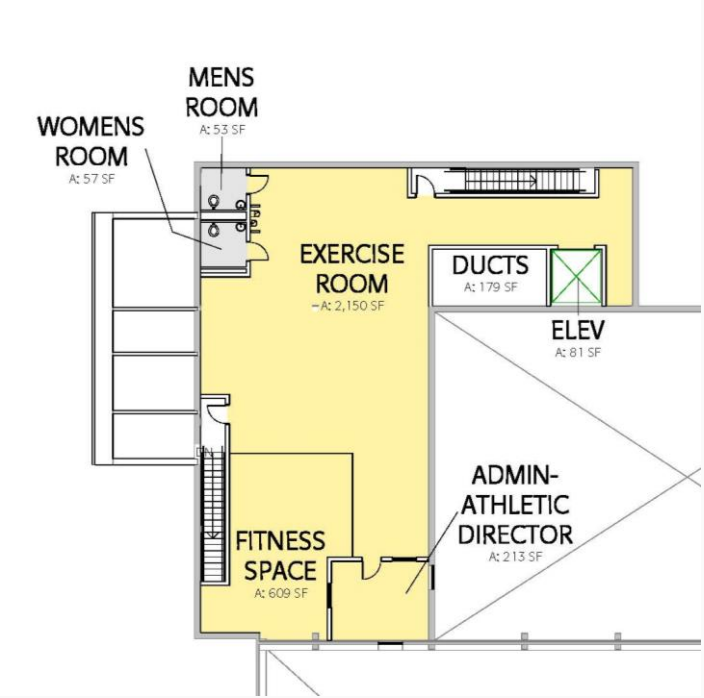
banwell ARCHITECTS

Proposed Option



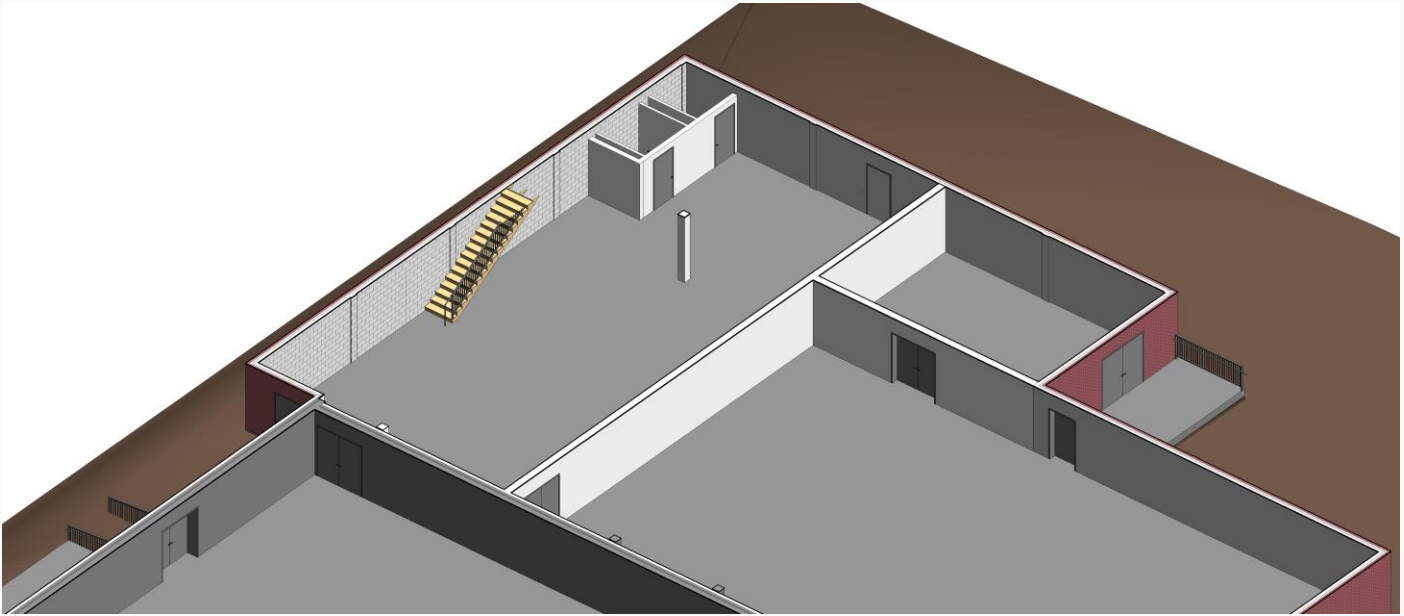
Level 1

Proposed Option



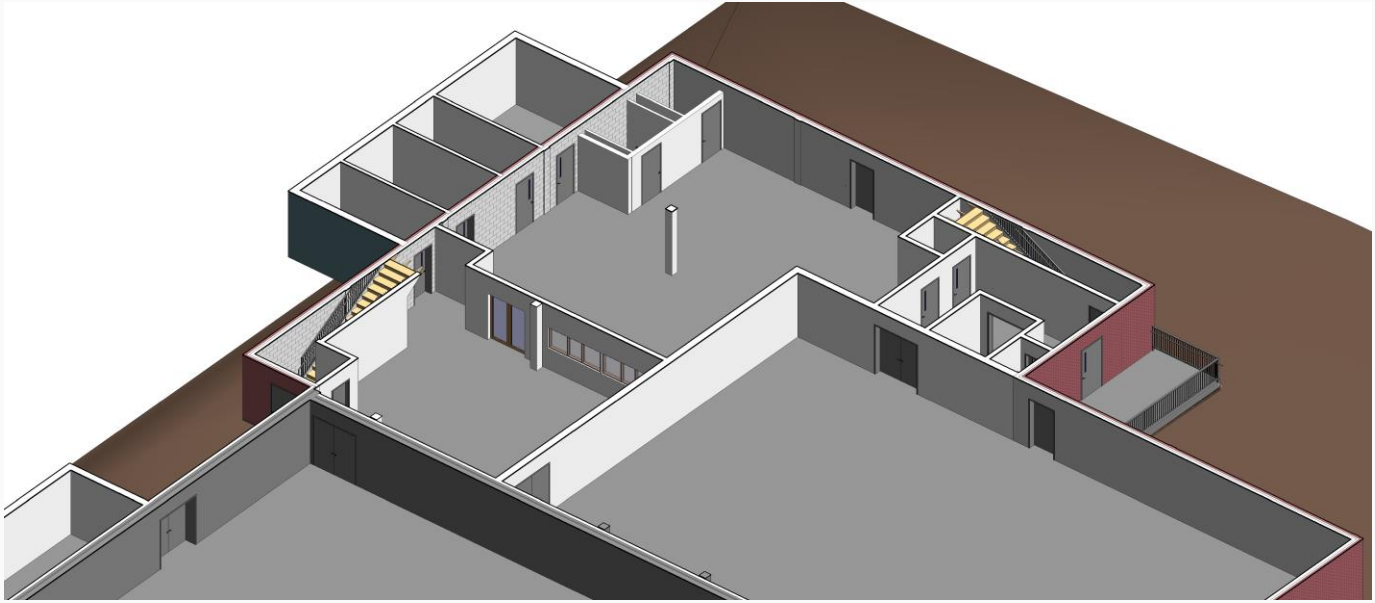
Level 2

Level 1 - Existing



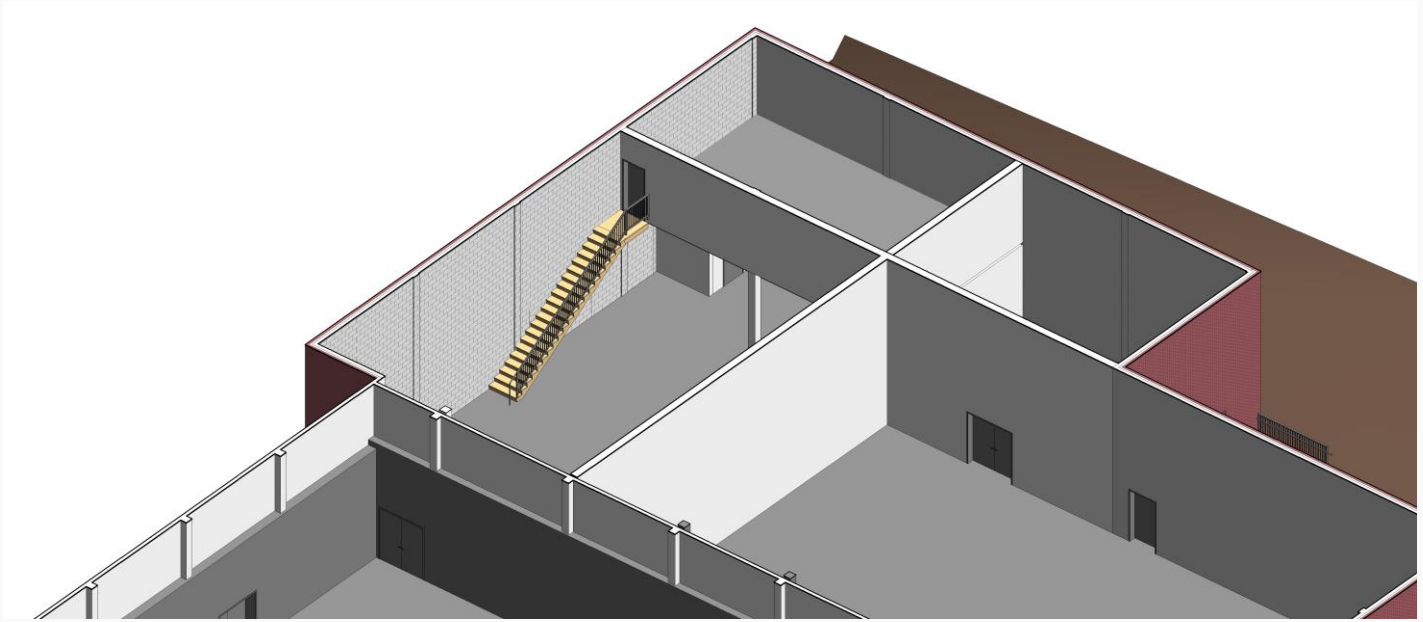
Existing

Level 1- Proposed



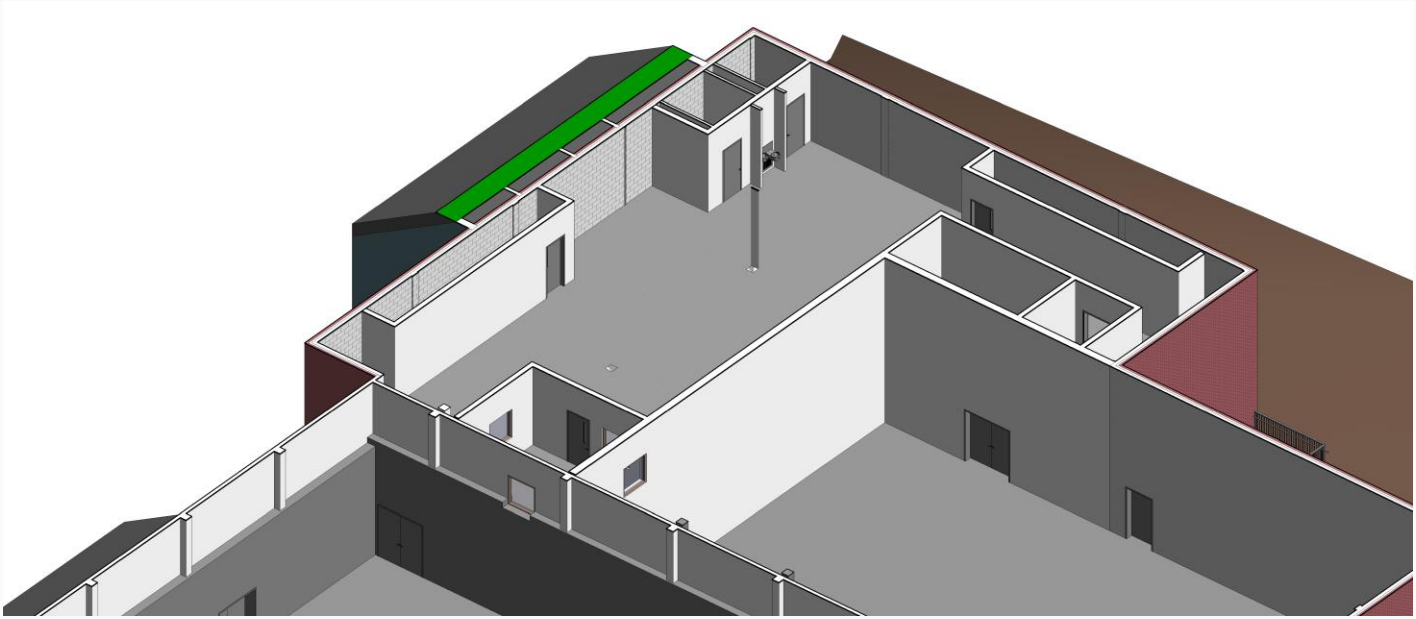
Proposed

Level 2 - Existing



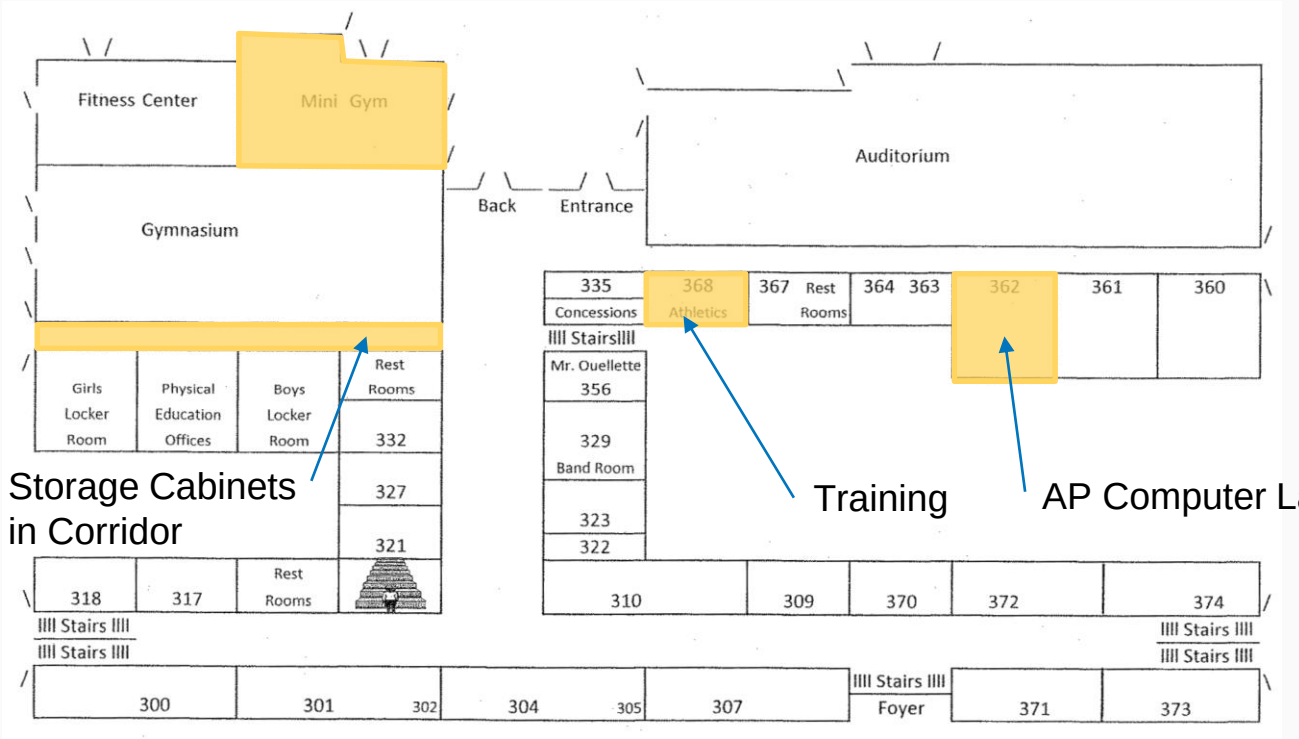
Existing

Level 2 - Proposed



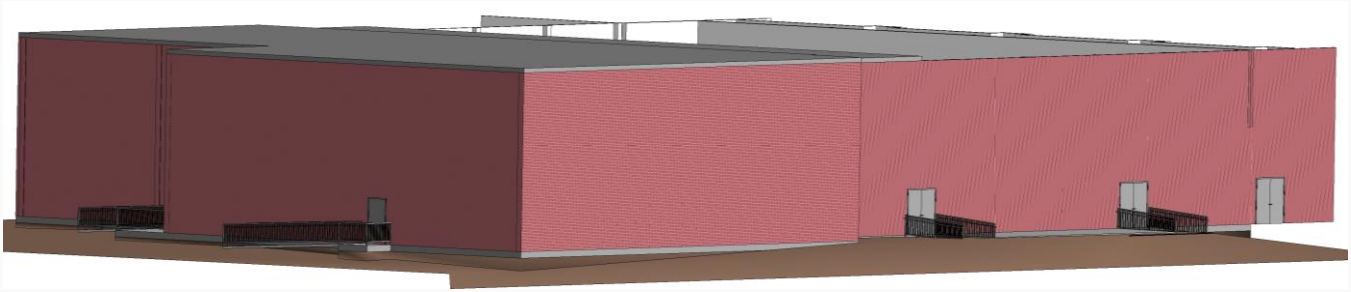
Proposed

Using Existing Spaces

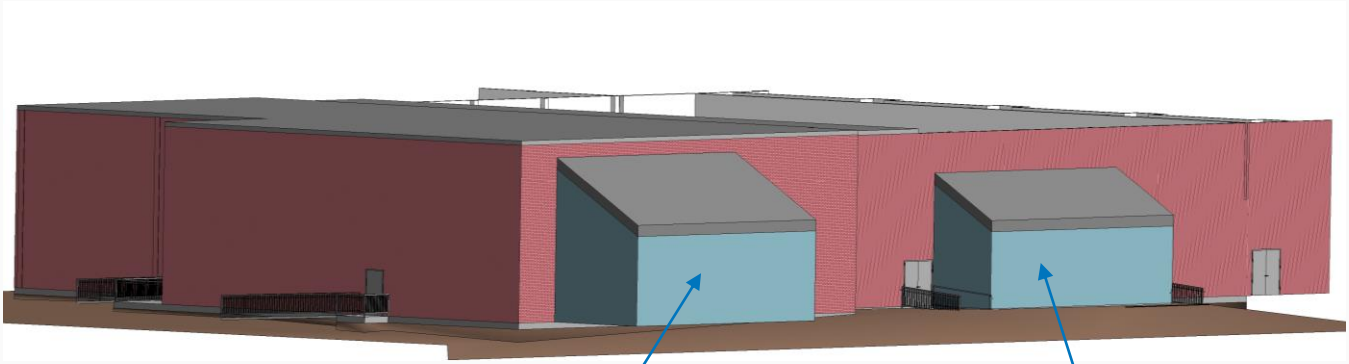


Third Floor

Southern View

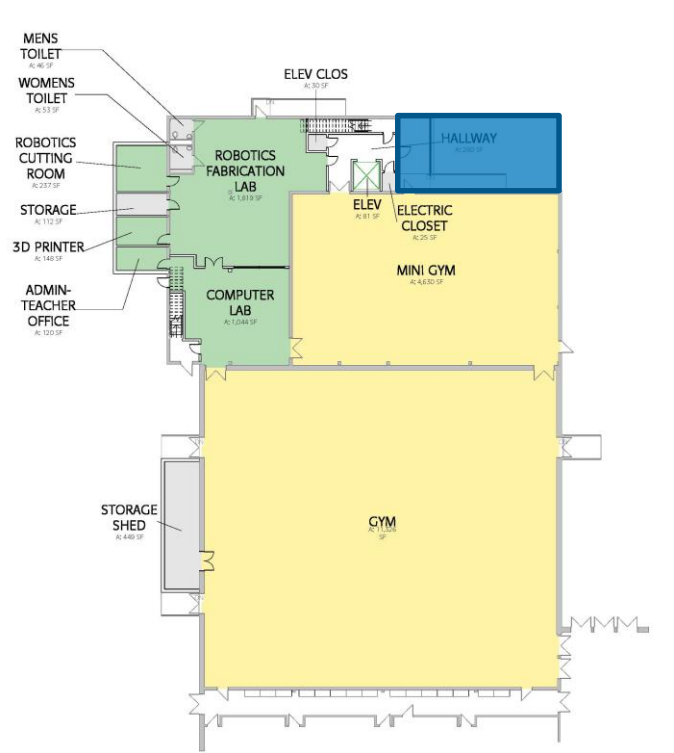


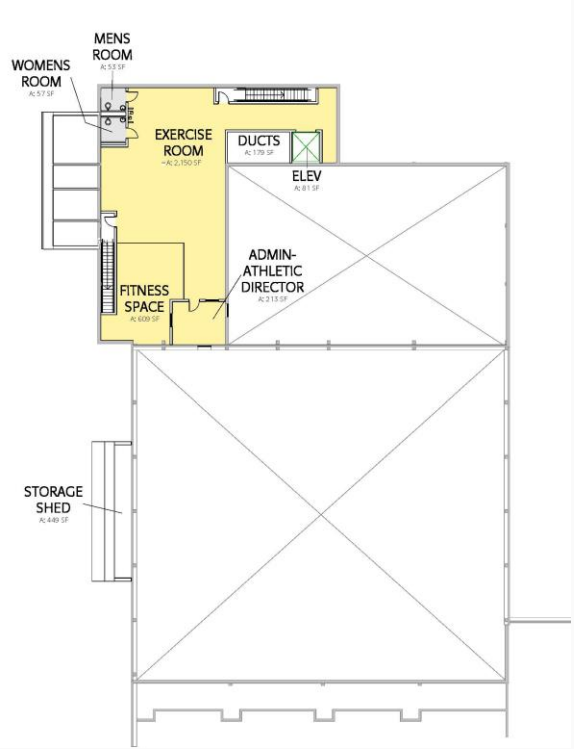
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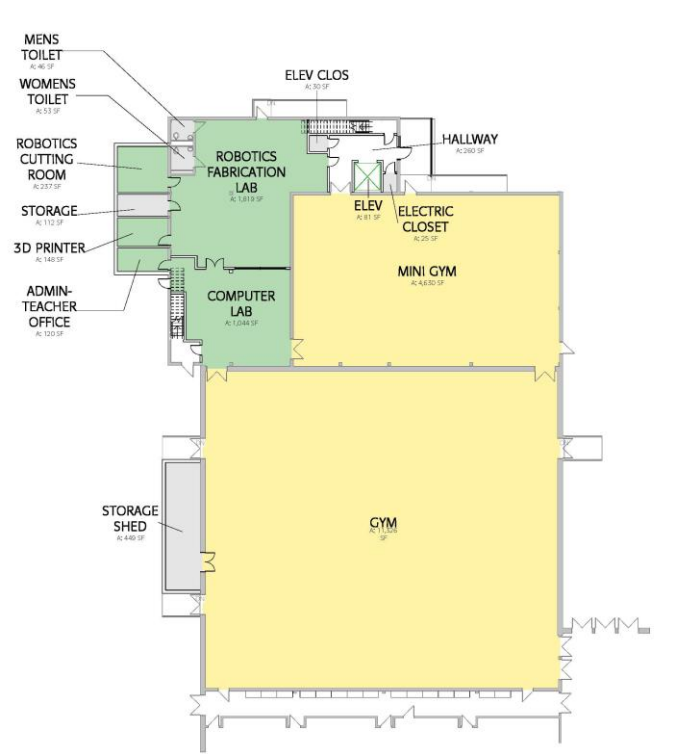
Proposed

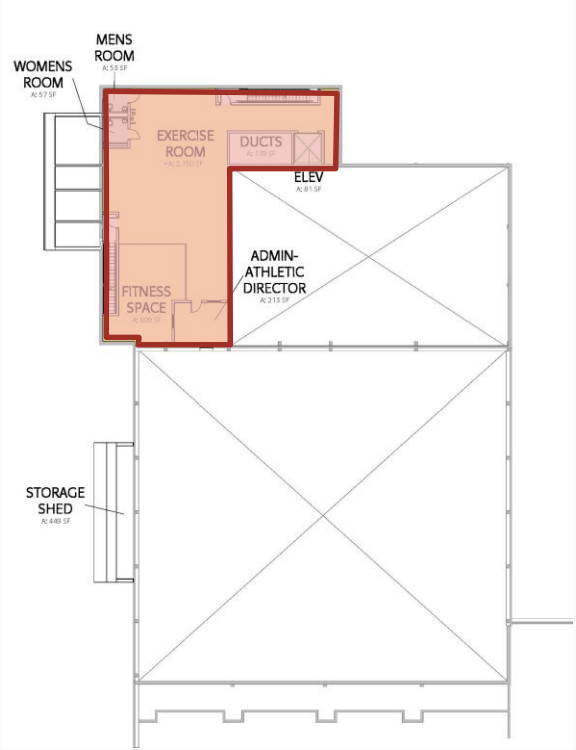
Alternate 3- Two Story Addition

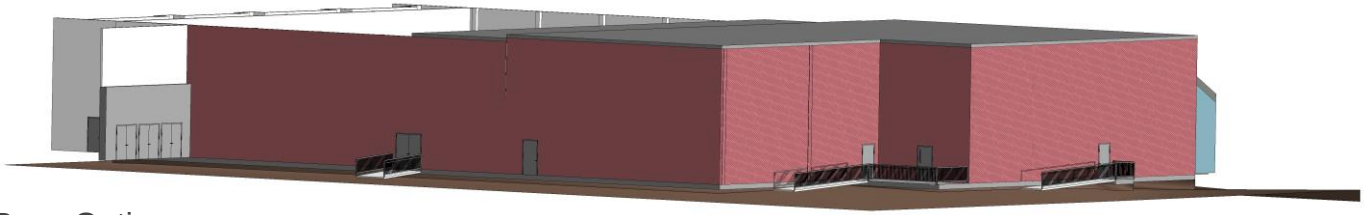




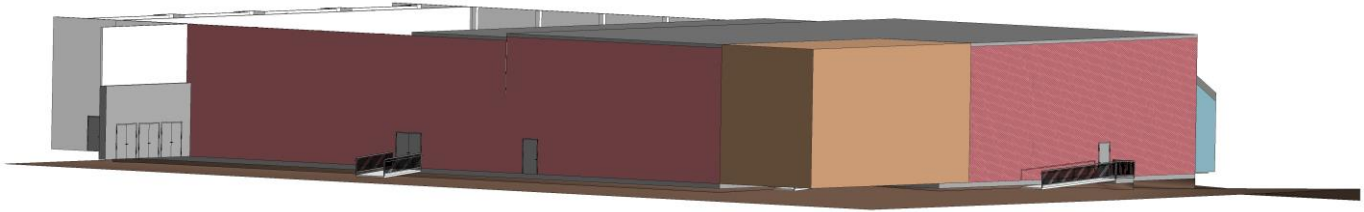
Alternate 4- Third Story Addition



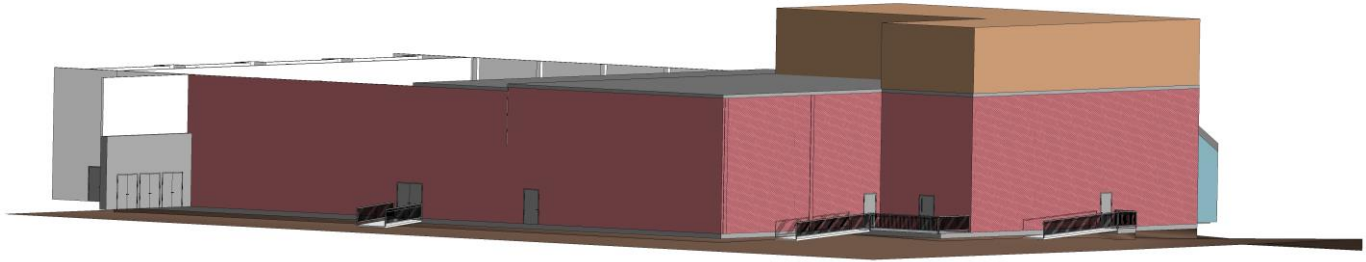




Base Option

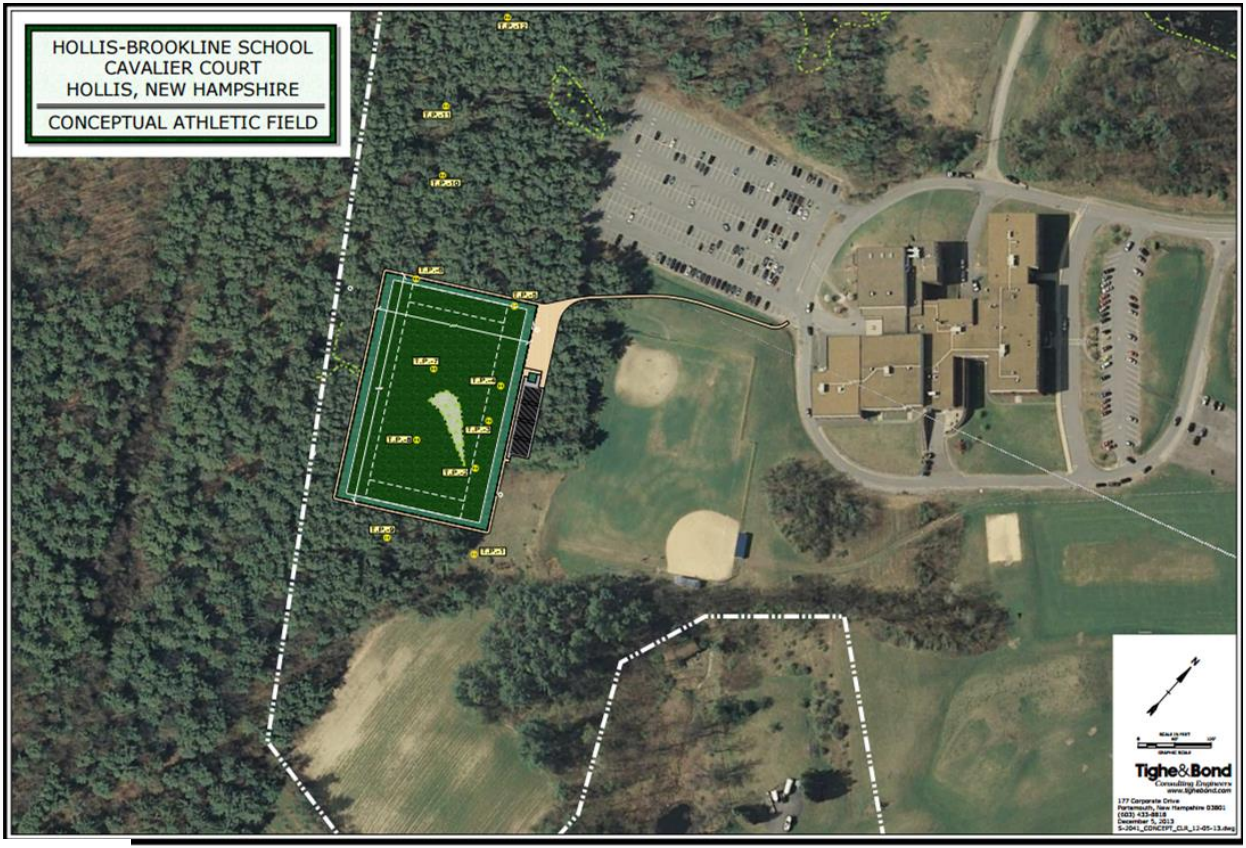


Alternate 3



Alternate 4

Proposed Field Location



Proposed Field Options

HOLLIS-BROOKLINE SCHOOL
CAVALIER COURT
HOLLIS, NEW HAMPSHIRE

CONCEPTUAL ATHLETIC FIELD

Grass Field Option

- Sod (no irrigation)
- Fencing
- Drive
- Lighting Infrastructure

Turf Option

- Synthetic Turf
- Fencing
- Drive
- Lighting Infrastructure



banwell ARCHITECTS

Costs

Building Work

- Base Option: $1,920,000

- Alternate #1 Option (Gym Shed Addition): $160,000
- Alternate #2 Option (Air Conditioning for Gyms): $380,000
- Alternate #3 Option (Two Story Addition): $890,000
- Alternate #4 Option (Third Story Addition): $1,460,000

* Athletics and Robotics Equipment Goal is Private Donations

Costs

Field Work:

Grass Sod Option: $1,030,000

Synthetic Turf Option: $1,660,000

Schedule

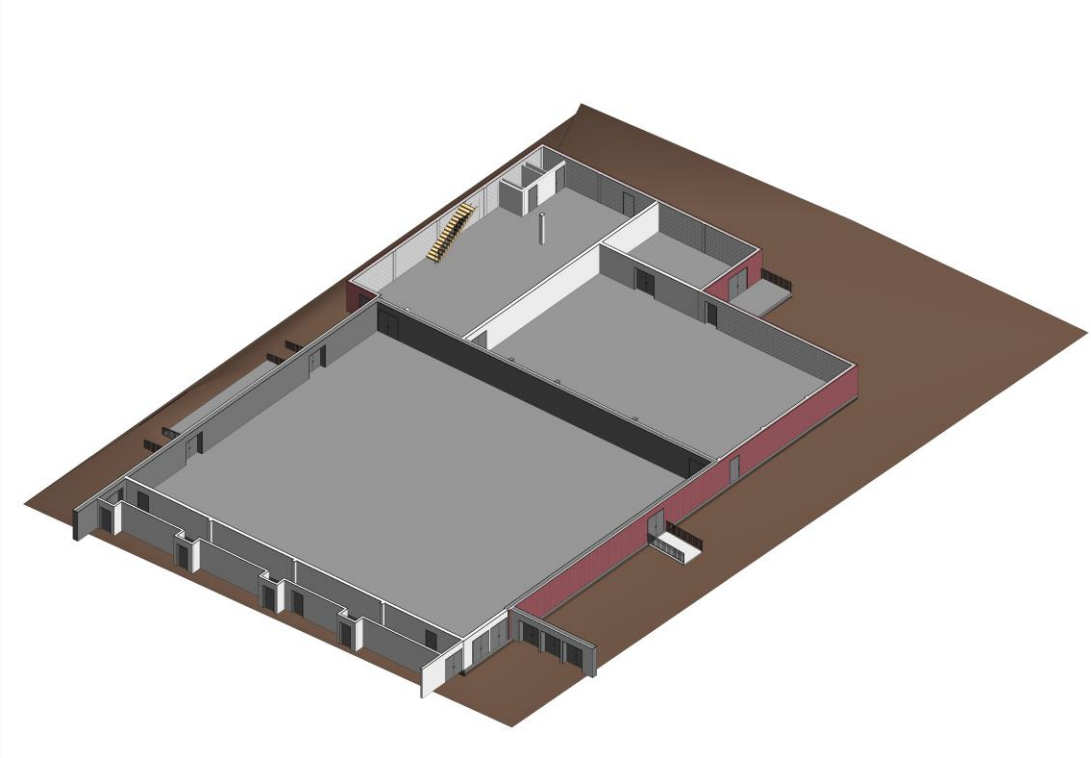
Next Steps:

- Community input from Public Forum
- Facilities Committee Review
- Send plan to NH Department of Education
- Review construction delivery methods
- Refine total building project estimate
- Community Outreach

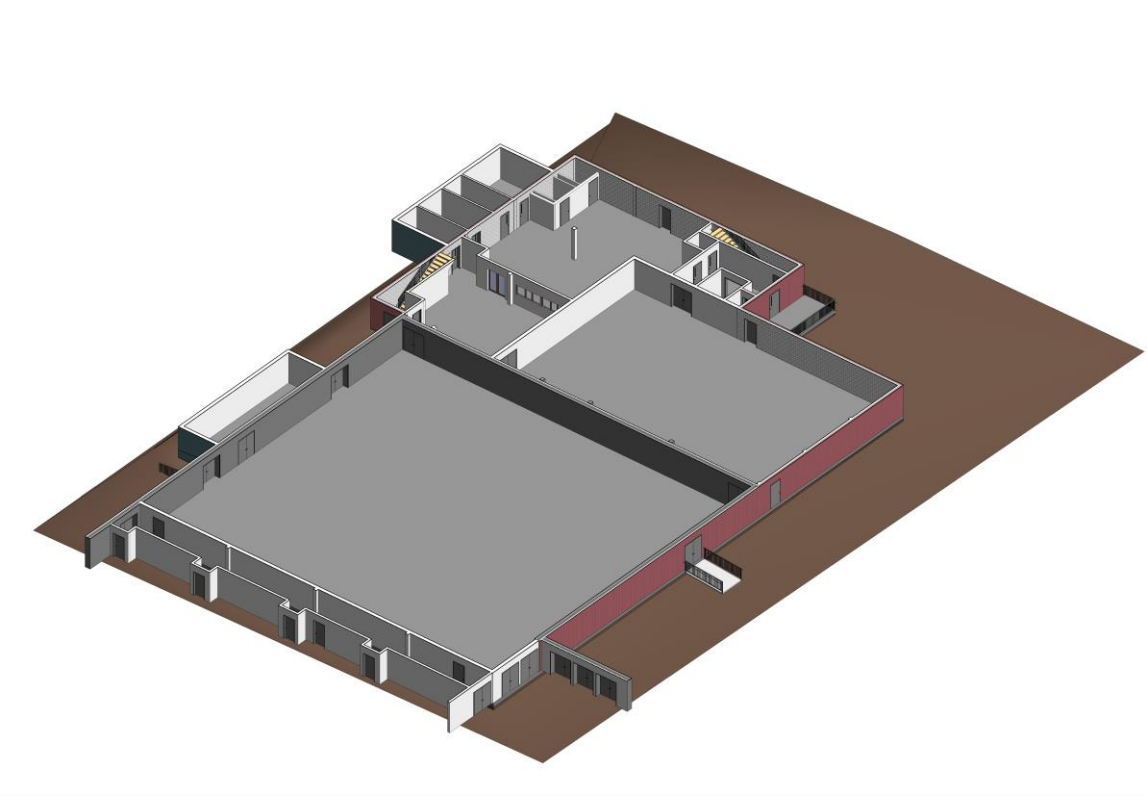
Hollis Brookline High School Public Forum...Questions?



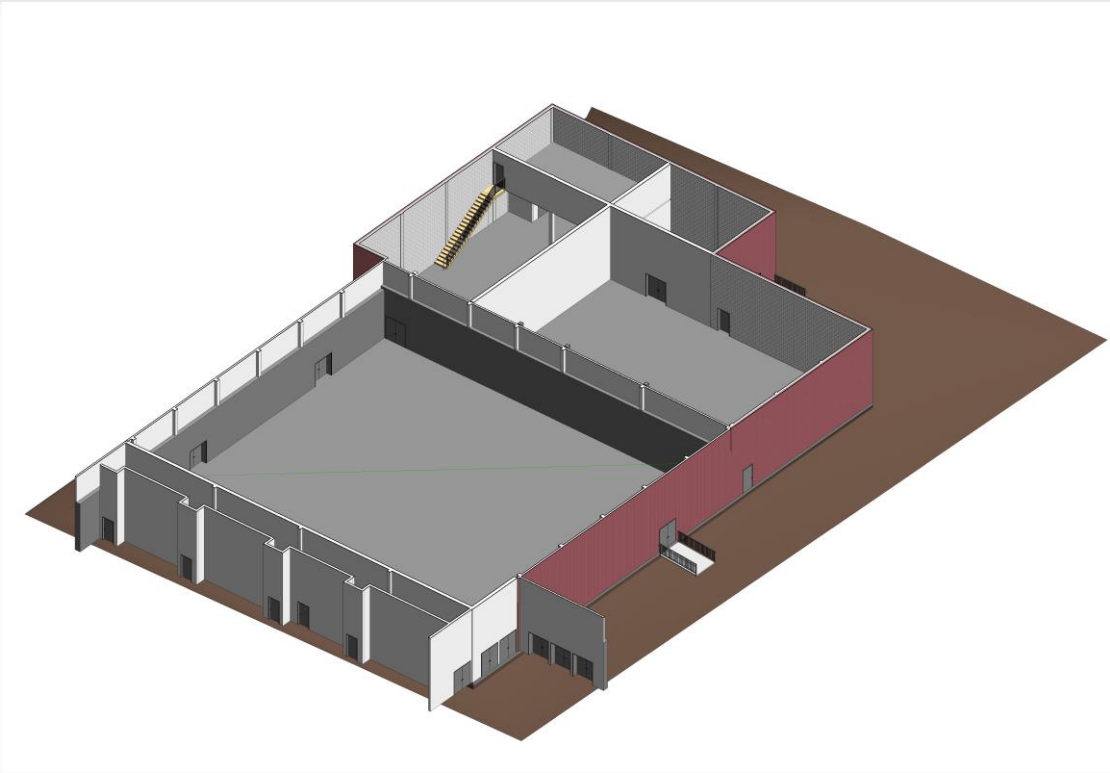
Level 1- Existing



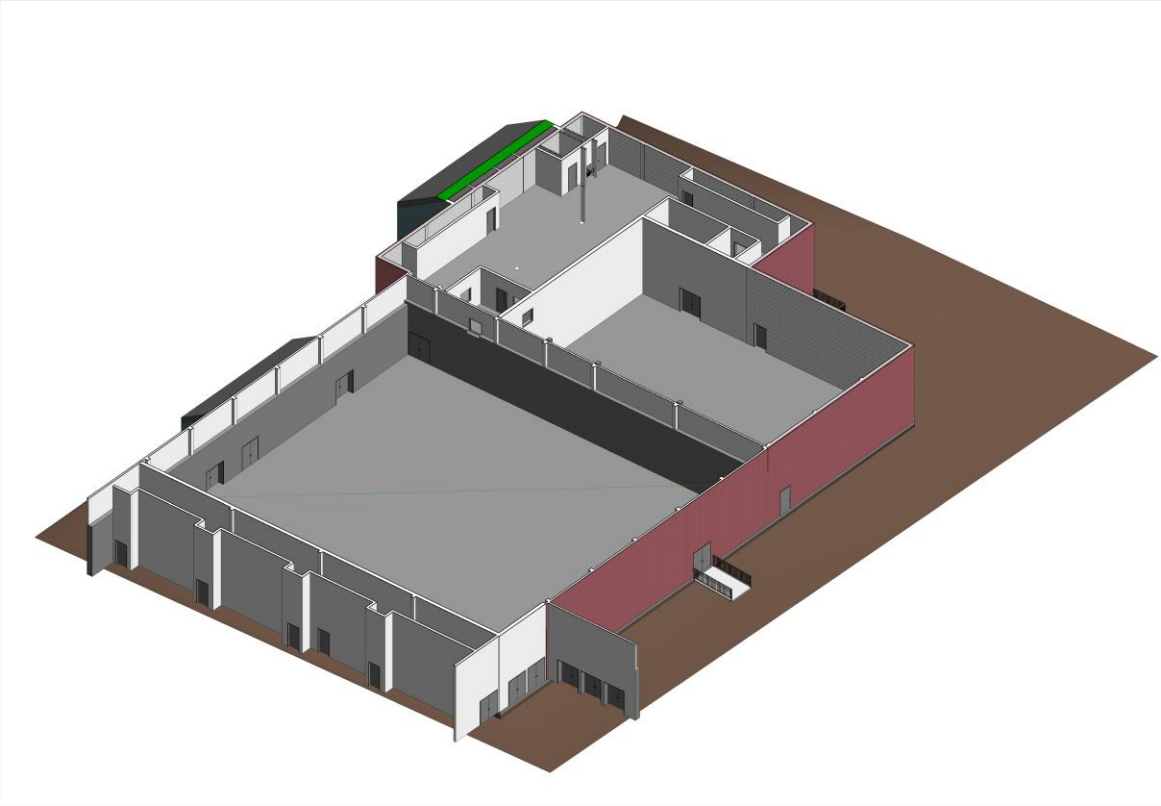
Proposed Level 1



Existing Level 2



Proposed Level 2



HOLLIS BROOKLINE HIGH SCHOOL

