

#### Agenda



- SBC Vote to Approve Prior Minutes (05/13/2021)
- OPM Update
  - Budget, Schedule
- Designer Update
  - Schematic Design Updates
    - Building Design
    - Cost Estimates
    - Committee Members Feedback
    - SBC to vote to approve SD submission package and all documents included, and to authorize PMA/DRA to submit the SD submission package to the MSBA
- New Business

#### Schedule/Key Project Milestones



MSBA Module #2
Forming the Project Team

**AUGUST 2019** 

**OPM Selection** 

**JANUARY 2020** 

**Designer Selection** 

MSBA Module #3
Feasibility Study

JANUARY 2020

Begin Feasibility Study

**AUGUST 2020** 

SBC approves PDP

Submit PDP to MSBA

SEPTEMBER 2020

SC approves Education Plan

DECEMBER 2020

SBC approves PSR

Submit PSR to MSBA

**JANUARY 2021** 

MSBA FAS Meeting

**FEBRUARY 2021** 

MSBA BOD approves PSR

MSBA Module #4 Schematic Design

**JANUARY 2021** 

**Begin Schematic Design** 

JUNE or JULY 2021

SBC approves SD/DESE design package

**JULY 2021** 

Submit SD/DESE to MSBA

MSBA FAS Meeting

AUGUST 2021

MSBA BOD approves project scope & budget

MSBA Module #5 Funding the Project

LATE DECEMBER 2021

Local funding approval deadline



Acronym glossary

BOD – Board of Directors (MSBA)
DESE – Massachusetts Department of
Elementary & Secondary Education
Ed. Plan – Educational Plan
FAS – Facilities Assessment Subcommittee

ISS – Initial Space Summary MSBA – Mass. School Building Authority OPM – Owner's Project Manager PDP – Preliminary Design Program PSR – Preferred Schematic Report SBC – School Building Committee SC – School Committee

SD – School Committee SD – Schematic Design

Updated 07.01.2021

## Budget Update



Northeast Metro Tech- Budget Update							
	Cor	ntract Amount	Bi	lled to Date	Remaining		
PMA Consultants	\$	510,056.00	\$	305,365.50	\$204,690.50		
DRA (Base Contract)	\$	1,075,000.00	\$	998,300.00	\$ 76,700.00		
CDW (Haz-Mat)	\$	19,547.00	\$	18,073.84	\$ 1,473.16		
LGCI (Geotech.)	\$	99,318.00	\$	86,141.00	\$ 13,177.00		
Nitsch (Traffic/Site Survey)	\$	176,440.00	\$	129,635.00	\$ 46,805.00		
Gilbane (Schematic Design Estimate)	\$	50,000.00	\$	-	\$ 50,000.00		
Totals	\$	1,930,361.00	\$	1,537,515.34	\$342,845.66		
Northeast Met	ro Te	ech- MSBA Reim	bur	sment			
	<b>Amount Submitted</b>			imbursment Received	Percentage		
Propay Request #001	\$	103,348.00	\$	65,461.00	63.34%		
Propay Request #002	\$	131,385.00	\$	83,219.00	63.34%		
Propay Request #003	\$	111,965.00	\$	70,919.00	63.34%		
Propay Request #004	\$	237,087.00	\$	150,170.00	63.34%		
Propay Request #005	\$	244,945.00	\$	155,148.00	63.34%		
Propay Request #006	\$	97,222.00	\$	61,580.00	63.34%		
Propay Request #007	\$	279,109.00	\$	176,788.00	63.34%		
Pending Propay Request #008	\$	176,070.00	\$	111,522.74	63.34%		
Projected Propay Request #009	\$	156,387.76	\$	99,056.01	63.34%		
Totals	\$	1,537,518.76	\$	973,863.75	63.34%		

# MSBA Funding Policy Changes (effective 06/01/2021)



- Under updated policy, the MSBA funds up to:
  - 3.5% of an upper limit of \$500/sf or construction budget, whichever is less, for otherwise eligible Owner's Project Management basic services;
  - 10% of an upper limit of \$500/sf or construction budget, whichever is less, for otherwise eligible Designer basic services;
  - 0.5% of the construction budget for new construction and up to 1.0% of the construction budget for an addition/renovation project for otherwise potentially eligible Owner's Contingency costs; and
  - \$360/sf plus eligible demolition and abatement.

#### Total Project Cost



Northeast Metro Tech- Budget Update						
	Preferred Schematic (December 2020)	Schematic Design (July 2021)				
Square Footage	383,000	380,000				
Design Enrollment	1,600	1,600				
Reimbursment Rate	63.34%	79.67%				
Total Project Cost	\$317,422,620.00	\$317,422,620.00				
Est. MSBA Share	\$117M	\$140-146M				
Est. District Share	\$200M	\$172-177M				

NOTE: The budget information provided above is based on probable cost estimate of record (Architect's) with input from the CMR and OPM. The budgets above are all subject to further review with the MSBA.

### Schematic Design Update



#### Recent Activities

- Design Team Meetings- School, local Officials, Police, Fire & Security
- Community Meetings Abutters, Chelsea
- Finalized Schematic Plans & Building System Narratives
- Developed Preliminary Construction Cost Estimates
- Reconciled & Refined Cost Estimates (Value Management)
- Prepared MSBA Schematic Design Submission materials

#### SCHEMATIC DESIGN SUBMITTAL

Scope



Budget



Schedule



Department of Elementary and Secondary Education (DESE)
 Submittal (regarding Special Education)

Schematic Design Binder

Schematic Design Drawings

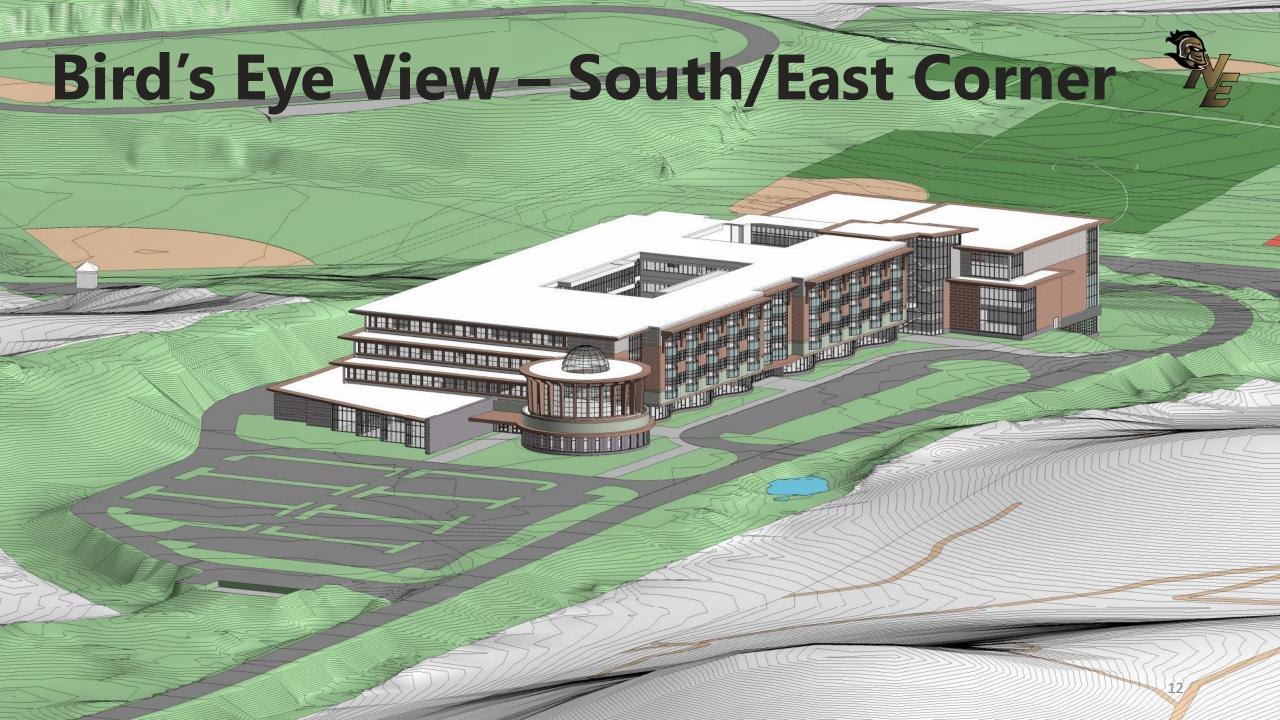
Schematic Design Project Manual (Outline Specifications)

Table	of Contents SCHEMATIC D	<b>ESIGN SU</b>	JBMITTA	AL		
4. <u>1.2</u>	Schematic Design Binder					
1.1.2-01	Introduction	4.1.2-16	Designer	's Construction Cost Estimate		
1.1.2-02	Final Design Program	4.1.2-17	OPM's Co	onstruction Cost Estimate		
	Educational Space Summary (Signed)	4.1.2-18	Updated	Project Work Plan		
	Space Measurement Analysis w/ Designer Certification		Project W	Vork Plan		
	Site Plan		Project S	chedule		
	Phasing Plans		Project D			
4.1.2-03	Traffic Analysis Traffic Analysis	4.1.2-19		ions and Approvals		
4.1.2-04	Environmental & Existing Building Assessment			4 Local Actions and Approval Certification		
4.1.2-05	Geotechnical Analysis		Meeting			
4.1.2-07	Code Analysis					
4.1.2-07	Utility Analysis	4.1.3	Schemat	ic Design Project Manual Table of Contents		
4.1.2-08	Massing Study	7.1.5		ete Project Manuals submitted separately)		
4.1.2-09	Building Systems Narrative		(Z COMPI	ete i roject Mariadis Sabrifitted Separatery)		
4.1.2-10	Sustainable Design Guideline Documents	4.1.4	Schemat	ic Design Drawing List (2 half-size drawing sets		
1.1.2-11	ADA/MAAB Analysis	7.1.7		d separately)		
1.1.2-12	Room Data Sheets		Submitte	a separatery)		
4.1.2-13	Proposed Construction Methodology	Annondi	<b>ν</b> Λ	Consultant Reports		
	District's Anticipated Reimbursement Rate	Appendix A		Consultant Reports		
	Total Project Budget	Appendix	√ D	Response to MSBA's Review Comments		
	Total Project Budget Speadsheet – Form 3011	Appendi	λ D	Thumb Drive		
	District Financial Projections	Appopdi	, C			
	Furniture and Equipment Budget	Appendix				

Furniture and Equipment Budget

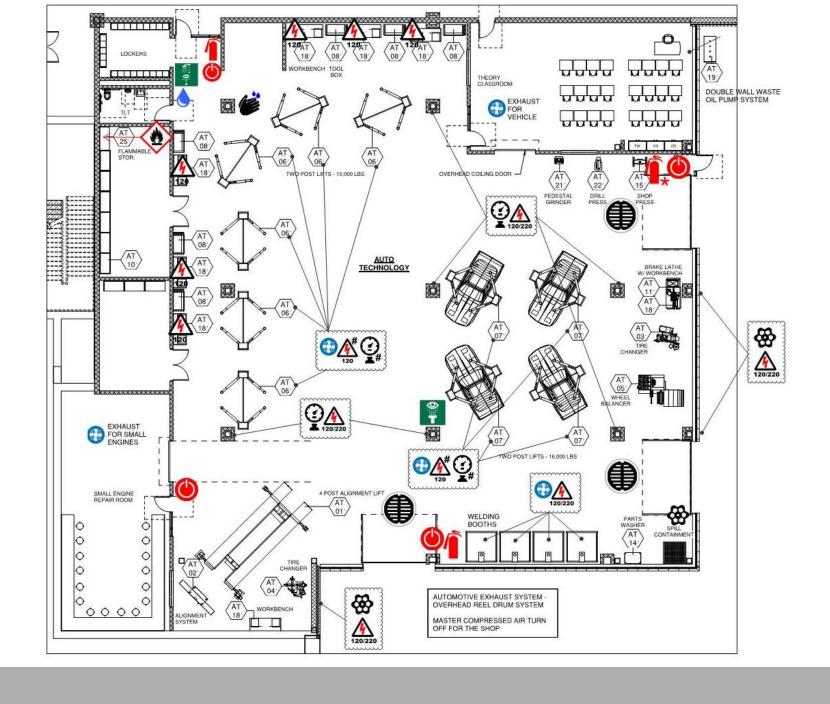
Technology FFE Budget

#### Site Plan PRE-K PLAYGROUND ROOFDECK 8 **BUS PICKUP** +162 NEW SCHOOL BUILDING FFE +163.50 PEDESTRIAN MAIN ENTRY CUSTOMER ENTRY EVENTS BUS DROPOFF +165 +165 +163 +159





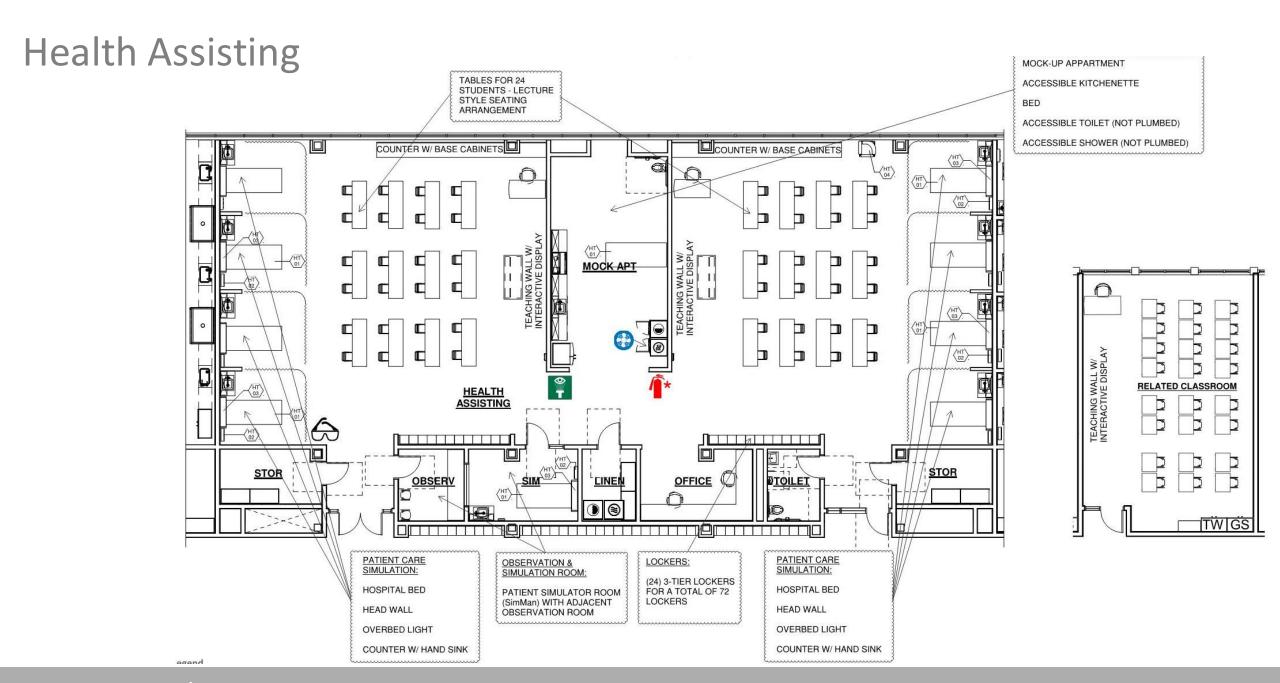
#### Automotive Technology



#### Automotive Technology

		- 72			São.	AUTO TECHNOLOGY SCHEDU	ILE		77		2
ITEM#	Q.T.Y.	NEW	EXIST.	OWNER/G.C.	DISCRIPTION	MAKE & MODEL	AMPS	HP	VOLT	PHASE	REMARKS:
> AT-01	1			G.C.	FOUR POST ALIGNMENT LIFT	HUNTER L451L	26		208-230	1	AIR SUPPLY 90-150 PSI (6.2-10.3 BAR)
AT-02	1	•		G.C.	ALIGNMENT SYSTEM	HUNTER WA600	15		115-230	1	ETHERNET CABLE
> AT-03	1			G.C.	TIRE CHANGER	HUNTER TCR1X	30		208-230	1	125 ± 25 PSI (8.6 ± 1.7 bar) / 1 SCFM (27 L/Min
> AT-04	1			G.C.	TIRE CHANGER	HUNTER TCX53	10		220	1	AIR: 110-145 PSI; 14 CFM
→ AT-05	1			G.C.	WHEEL BALANCER	HUNTER ROAD FORCE ELITE	10		196-253	1	AIR: 100-175 PSI; CFM
7 AT-06	6			G.C.	TWO POST LIFT - 10,000 LBS	ROTARY SPOA 10			208-230	1	W/ AIR CONNECTION; 6.0 SCFM REQUIRES 12' OVERALL HEIGHT
→ AT-07	4			G.C.	TWO POST LIFT - 16,000 LBS	ROTARY SPO16 CARGO				1	W/ AIR CONNECTION; 6.0 SCFM REQUIRES 16'-8" OVERALL HEIGHT
AT-08	6			OWNER	TOOL BOX	SNAP-ON EPIQ SERIES			208-230		
AT-10	1	•		OWNER	HD SHELVING UNIT	MSC/GRAINGER		·			
AT-11	1	•		OWNER	BRAKE LATHE	HUNTER	15		115	1	
AT-14	1			OWNER	SAFETY CLEAN PARTS WASHER	SAFETY CLEAN			110	1	
AT-15	1	•		OWNER	SHOP PRESS	SNAP-ON					
AT-18	8			OWNER	BENCH	LAPPENS	-				NOTE: POWER OUTLET AT ALL WORKBENCH LOCATIONS
AT-19	1			PLUMBER	WASTE FLUIDS/ NEW OIL TANKS	LAPPENS					LOCATED OUTSIDE
AT-21	1				PEDESTAL GRINDER	SNAP-ON			115	1	
AT-22	1				DRILL PRESS	SNAP-ON			120	1	
AT-25	1				FLAMMABLE STORAGE CABINET	SURE-GRIP EX SAFETY CABINET-45 GAL 8945008					

ELECTRICAL CONTRACTOR





#### **Events Lobby** – View from Entry









#### **Construction Cost**



**Construction** Cost Budget (per PSR submission):

**\$243.6 Million (\$630 per SqFt)** 

**Preliminary** Construction Cost Estimate:

\$265.5 Million

Value Management process:

\$22 Million cost reductions

<u>current Schematic Design Construction Cost</u> **Estimate:** 

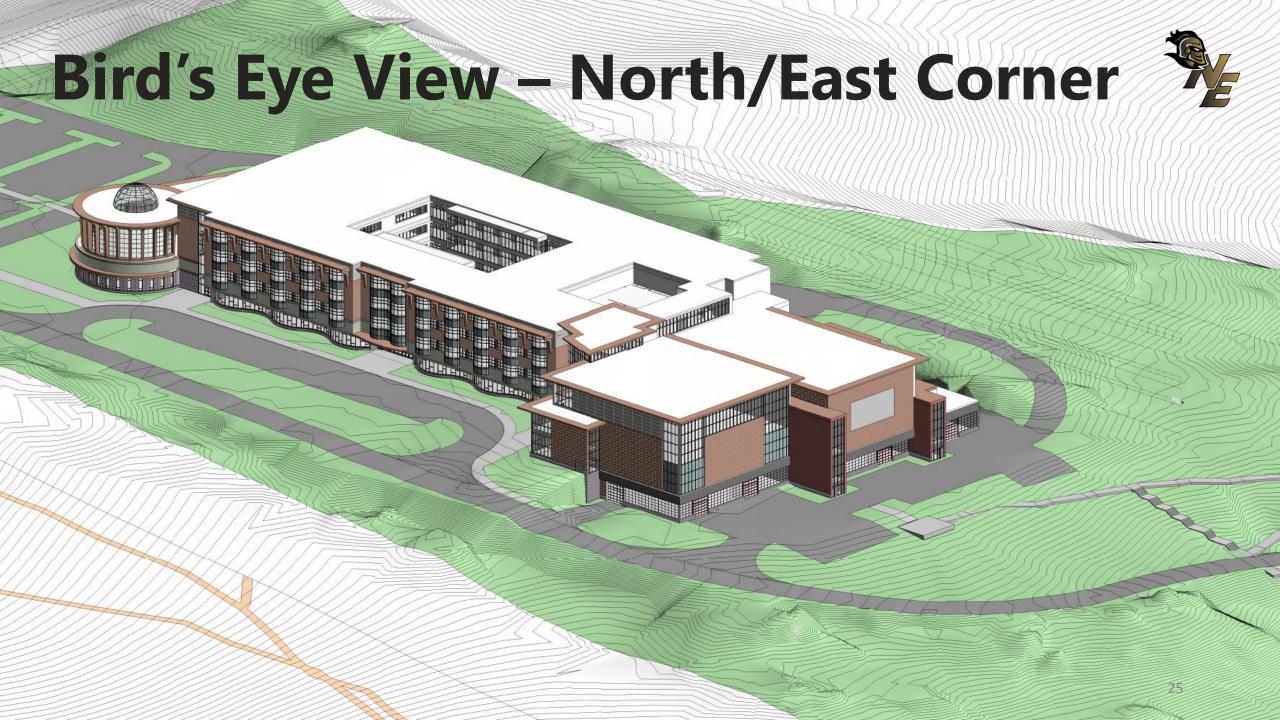
\$212 6 Million



# Thank You!

NEMT

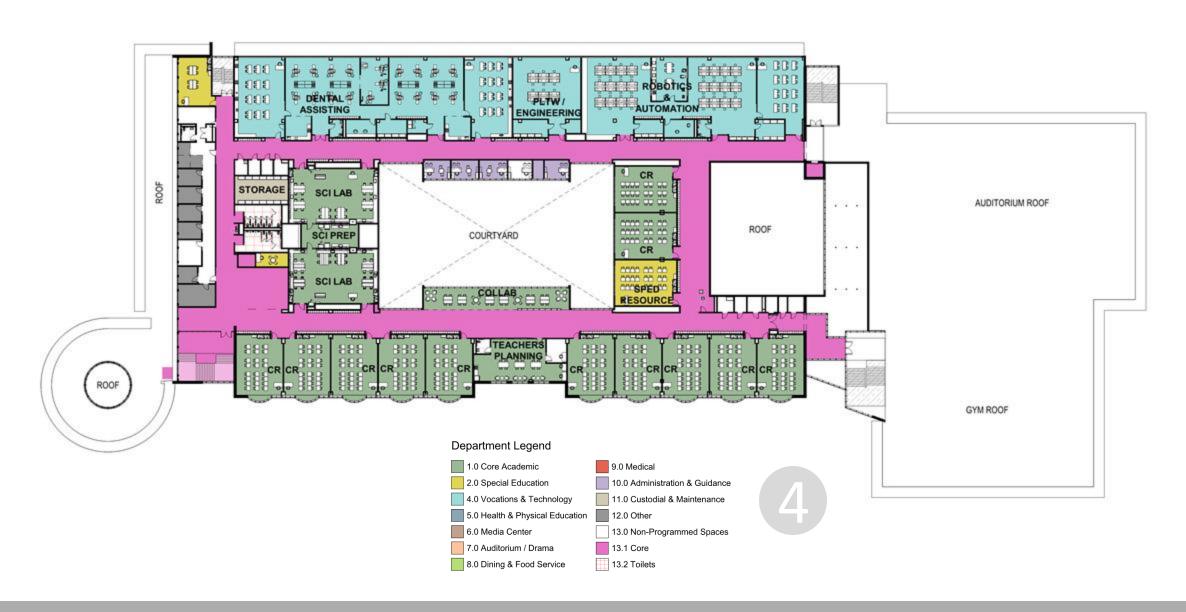


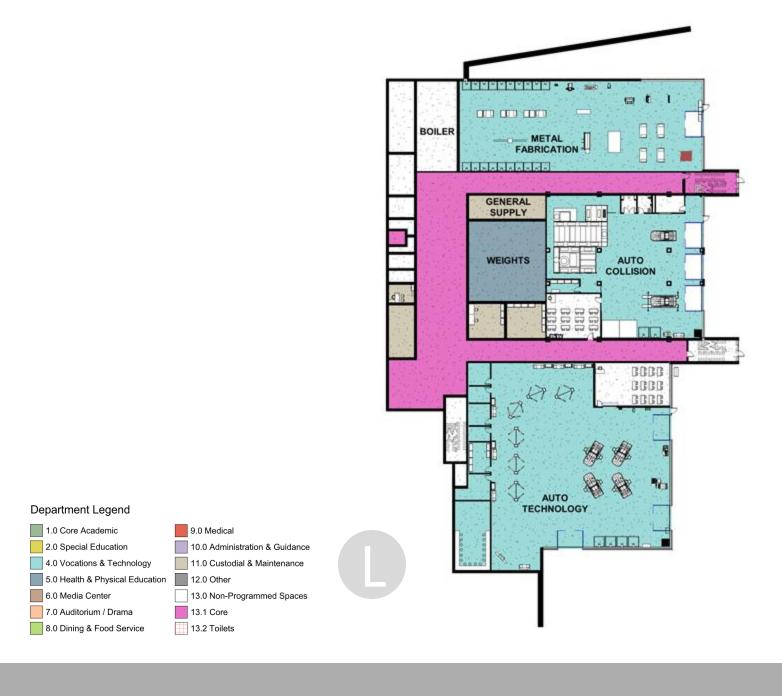


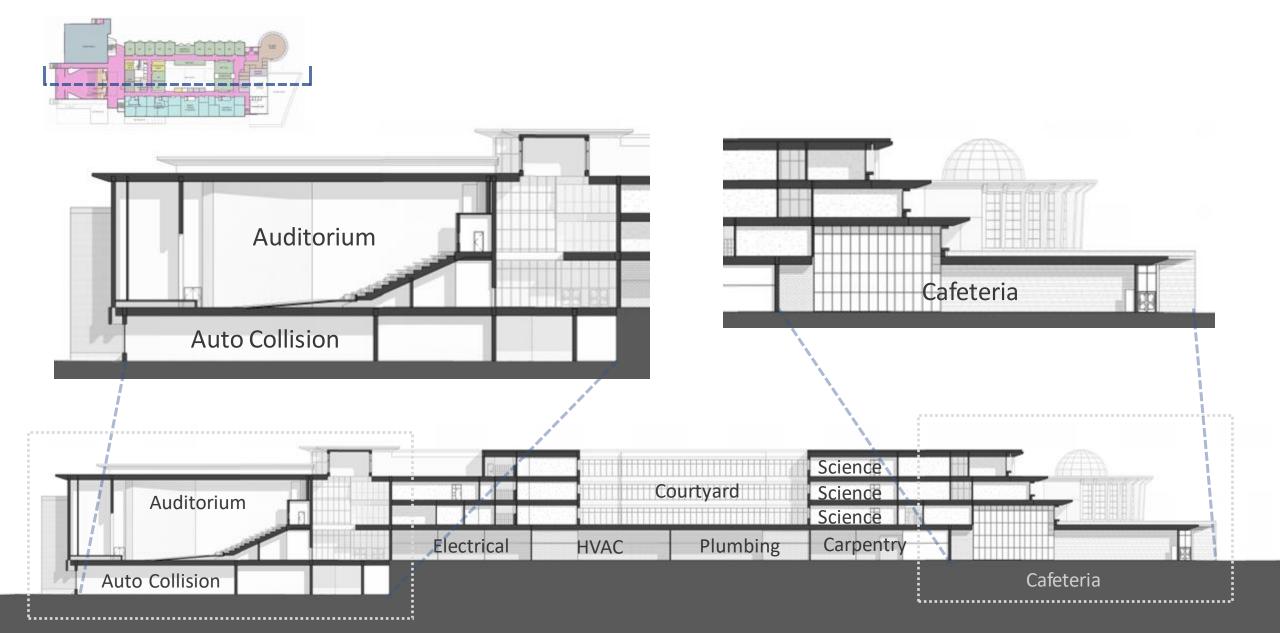




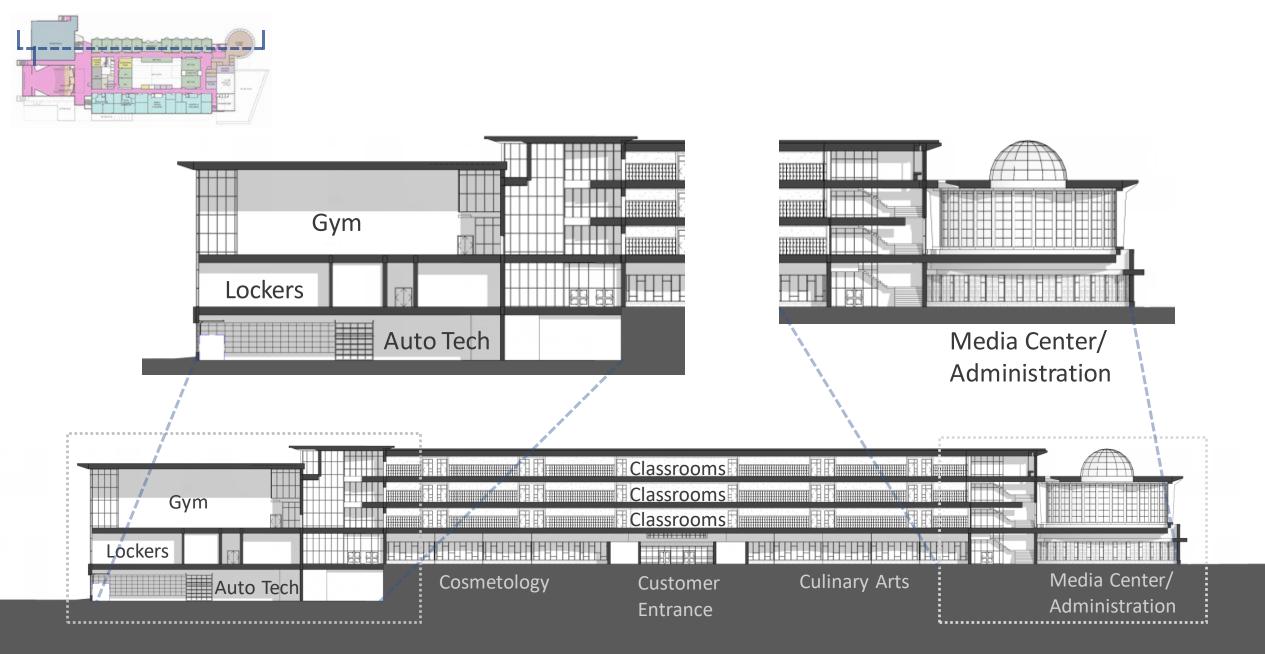








**Building Sections** 



**Building Sections** 

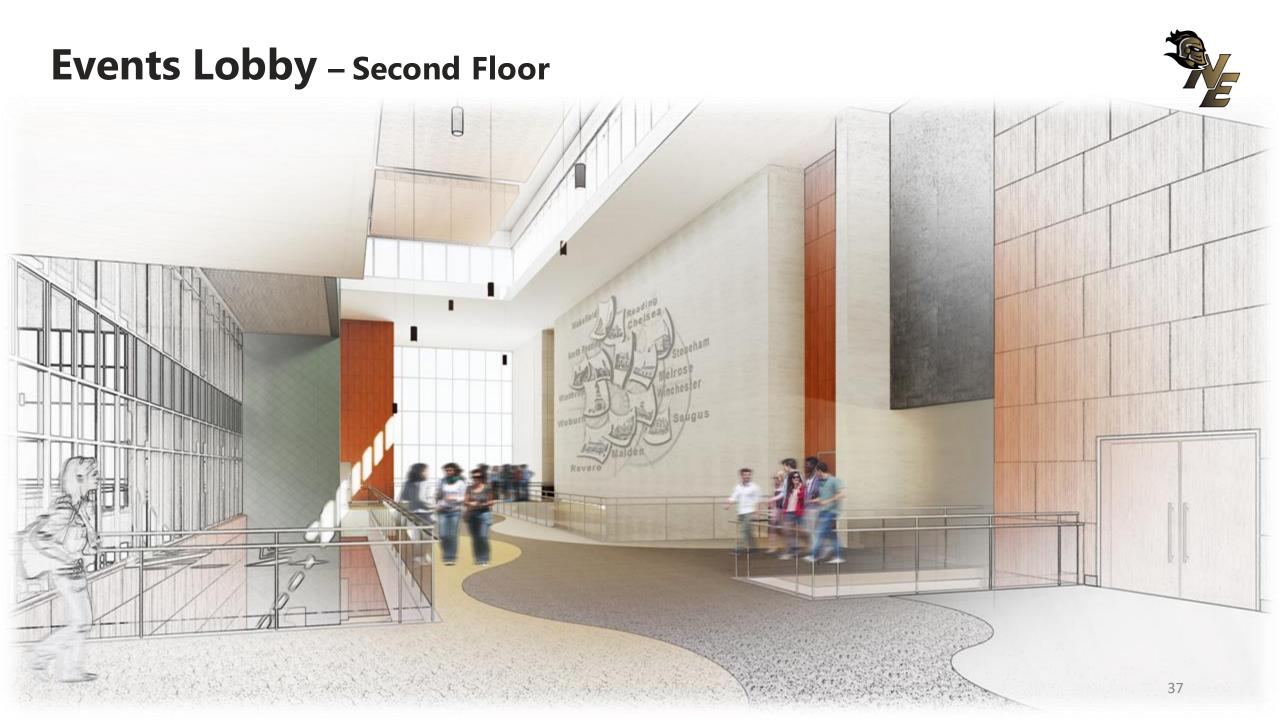






### **Events Lobby**

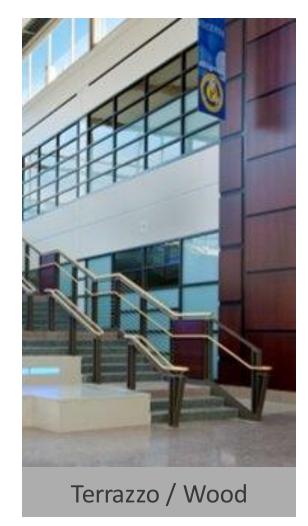




## **Events Lobby Second Floor**













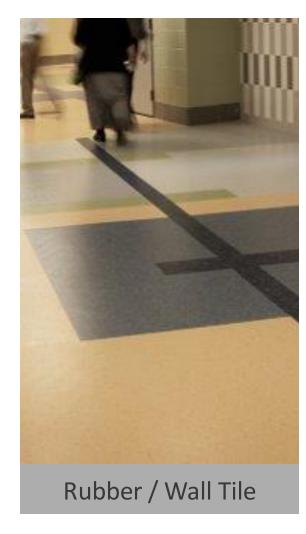




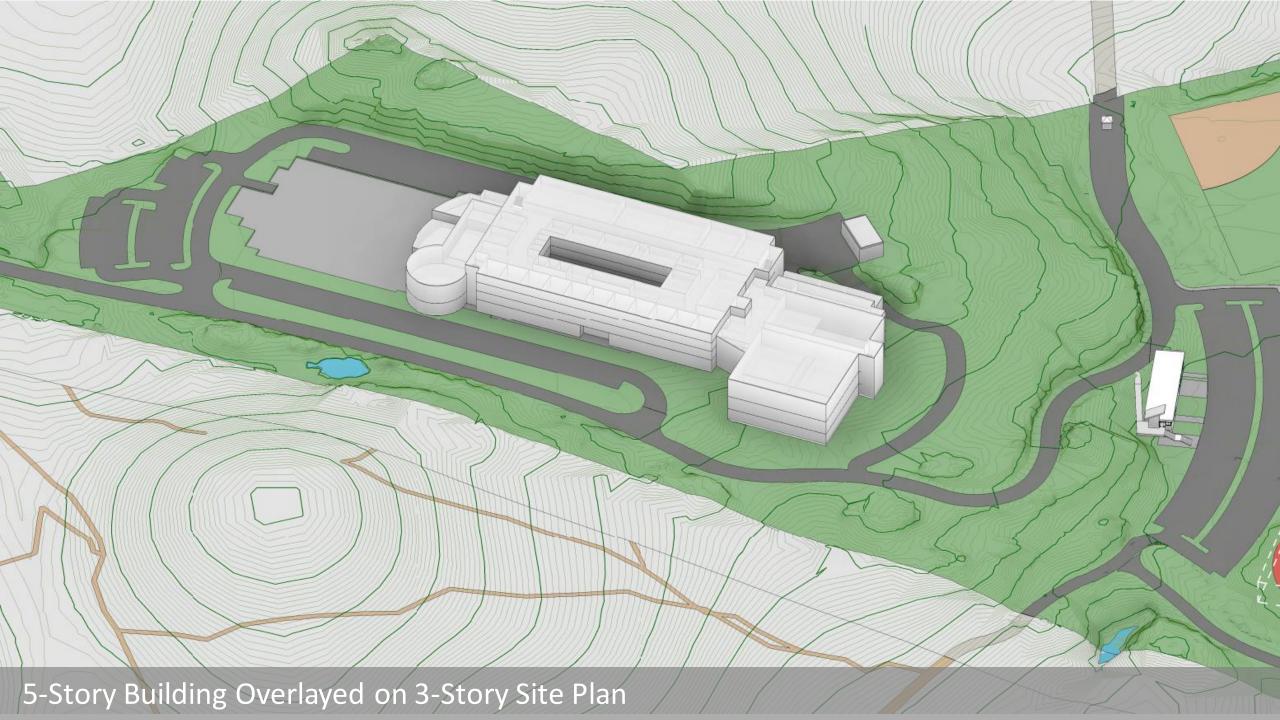
Resilient Carpet



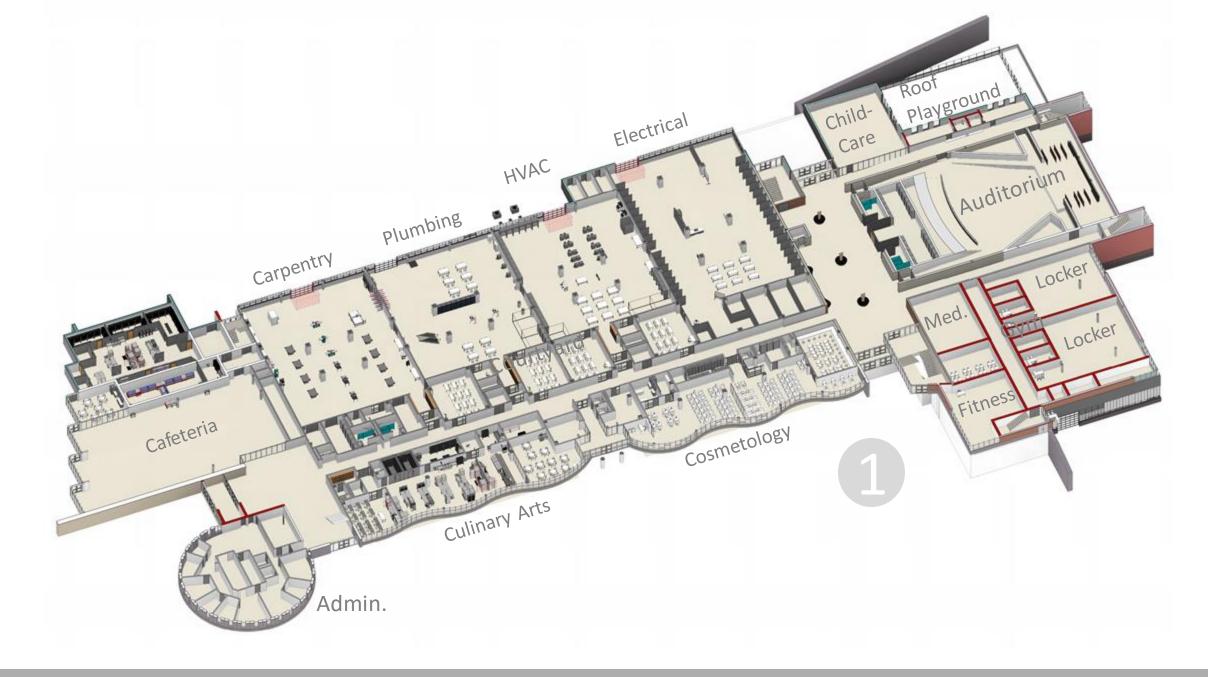
Rubber / Railing

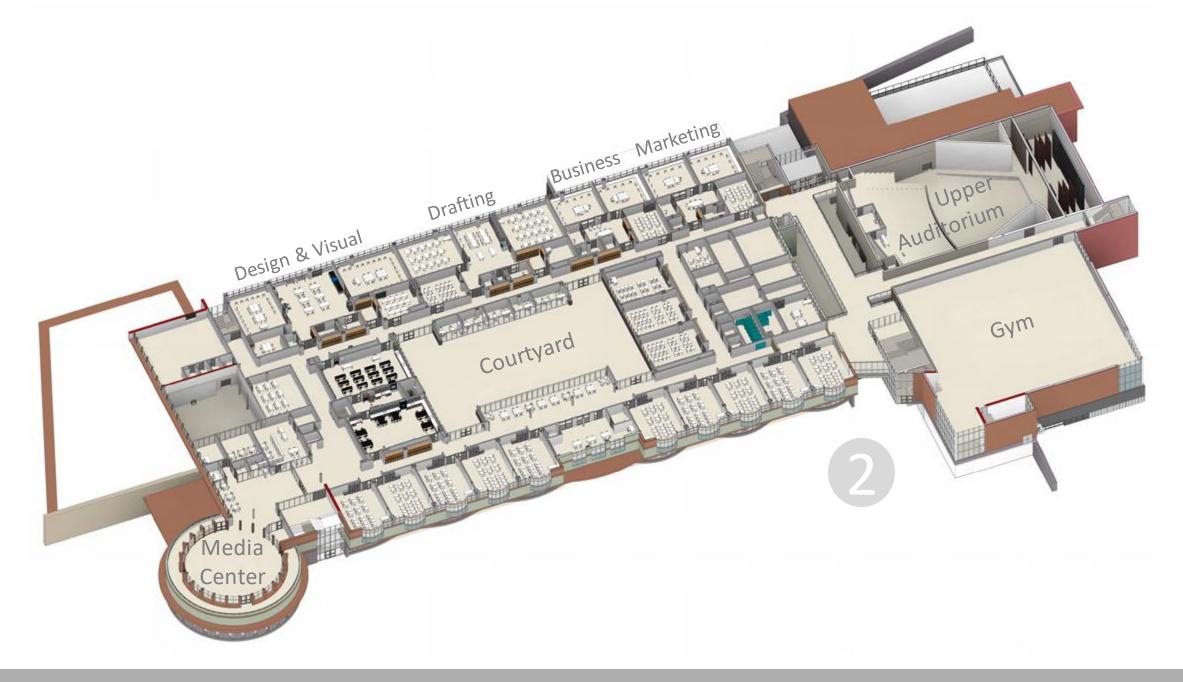


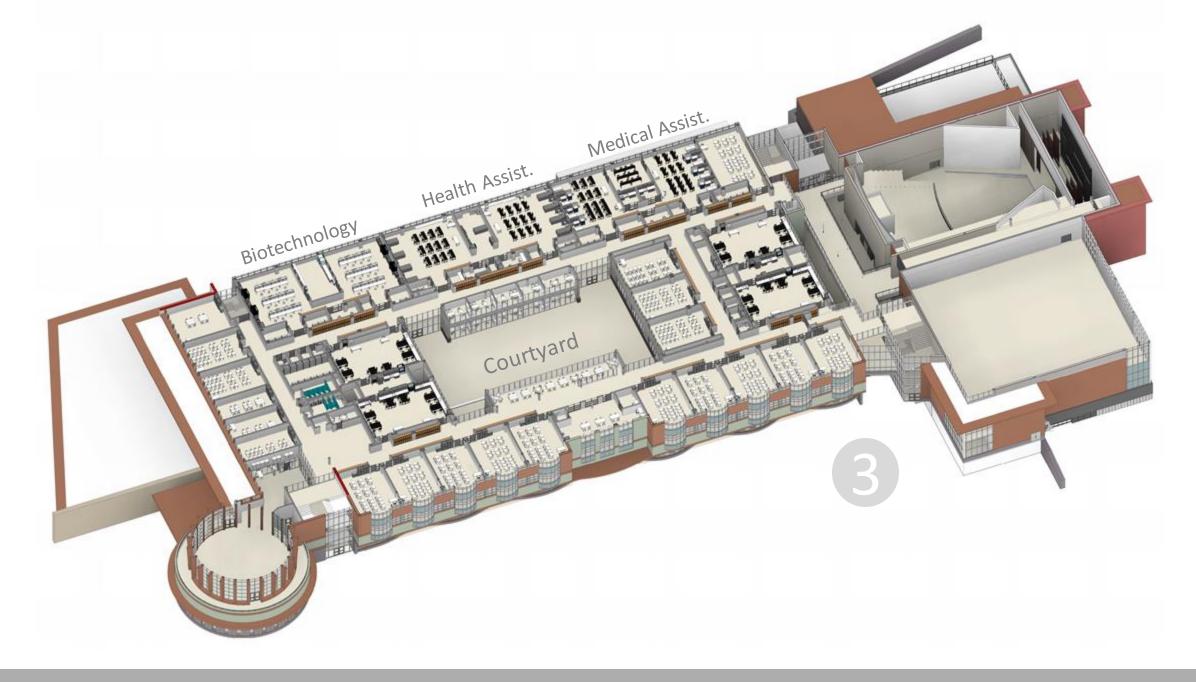


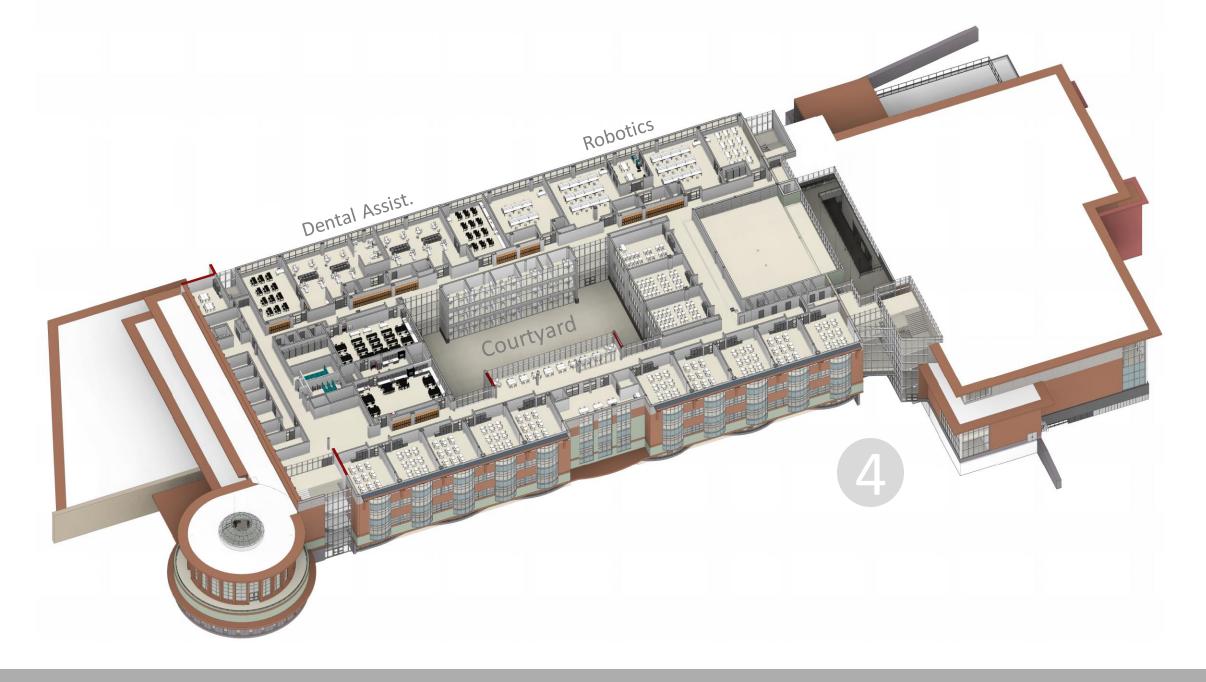


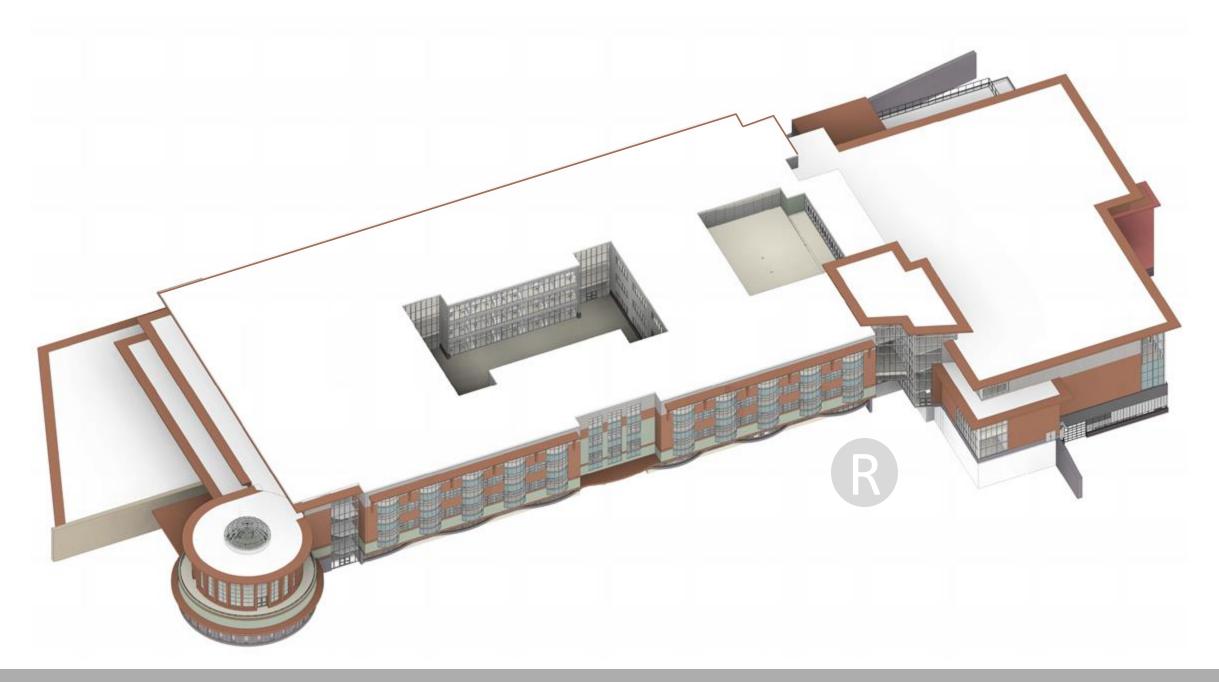


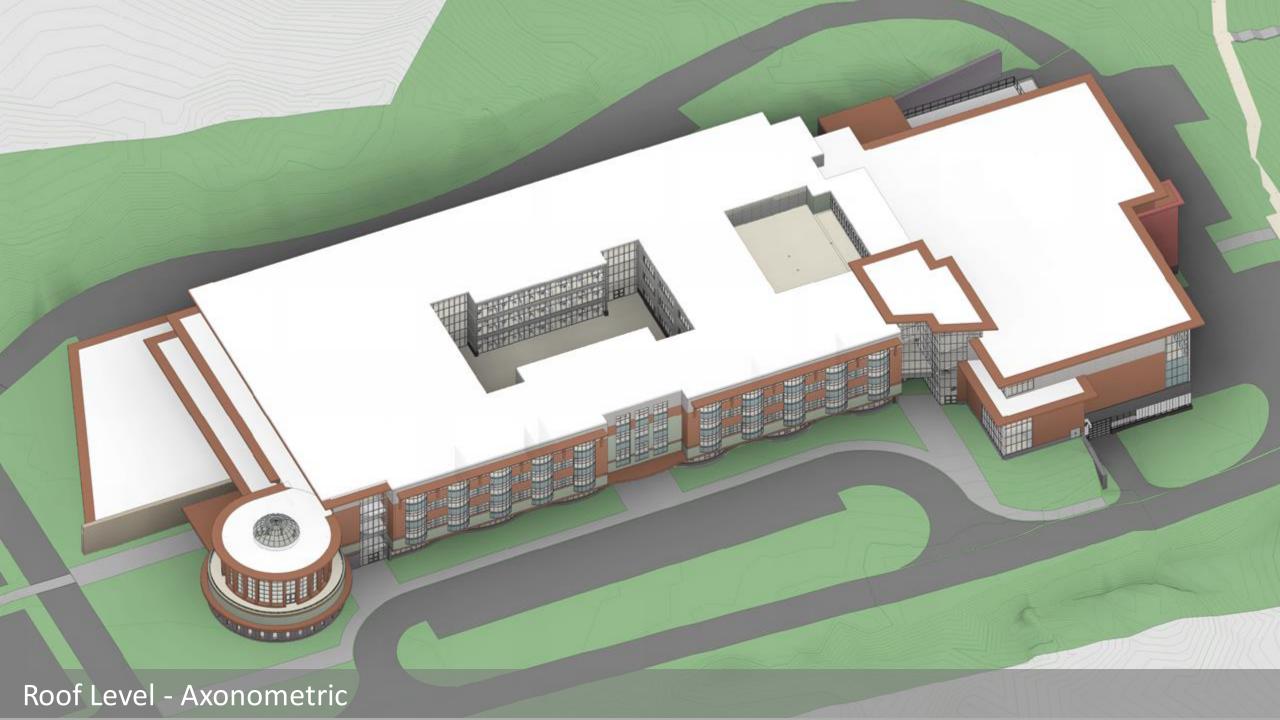


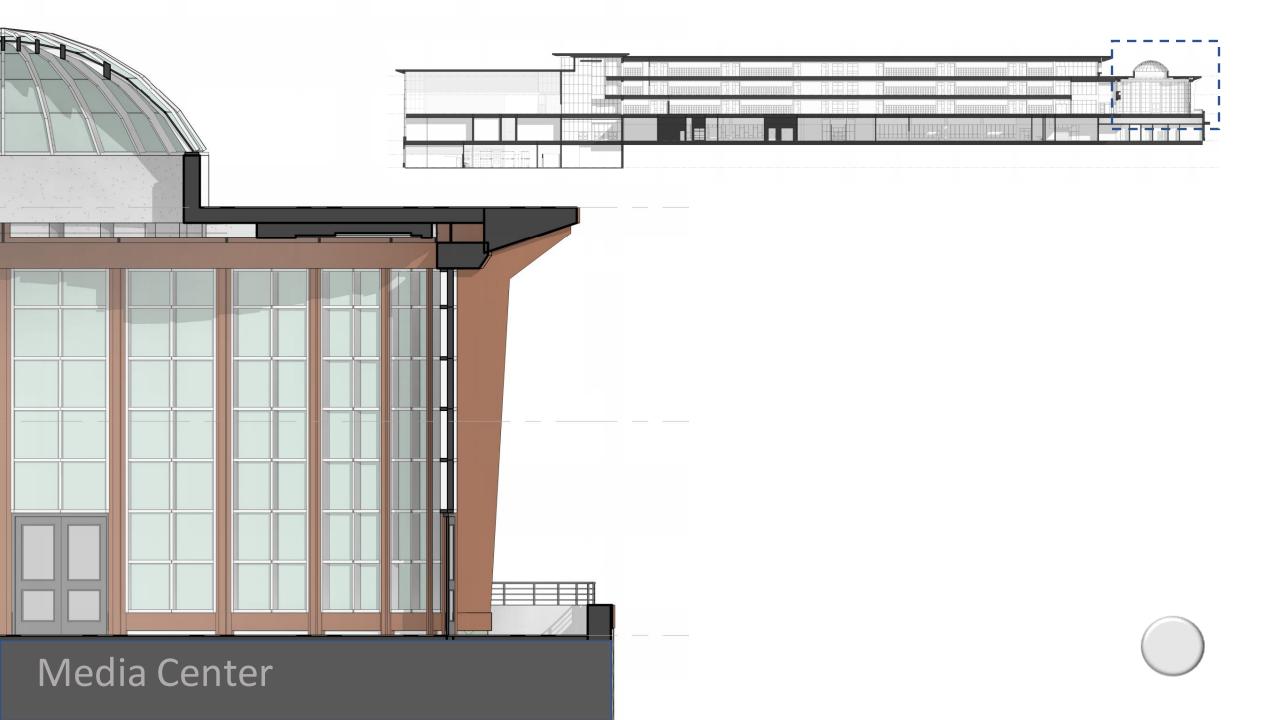






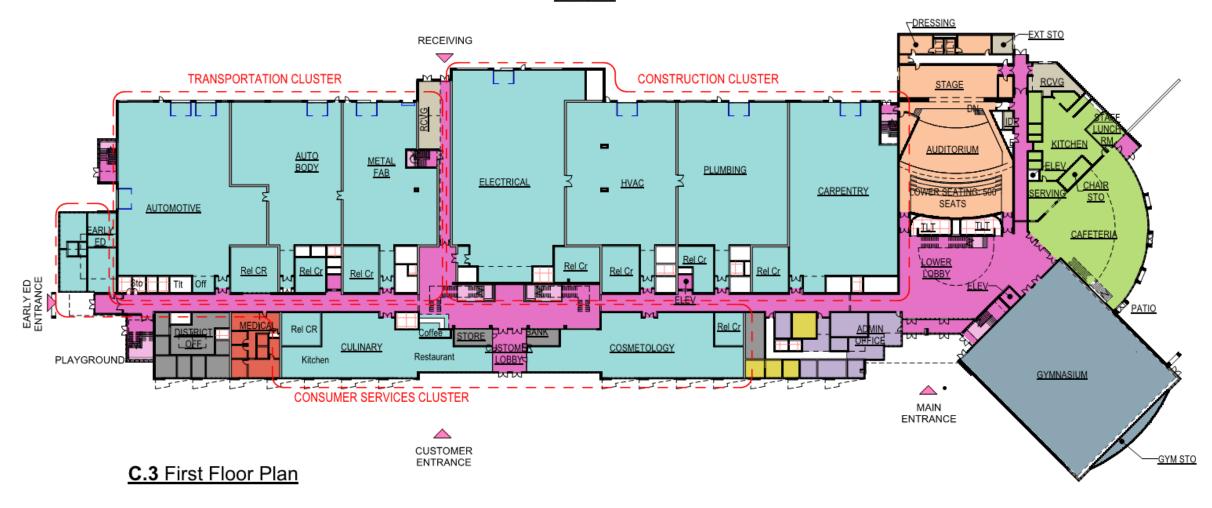






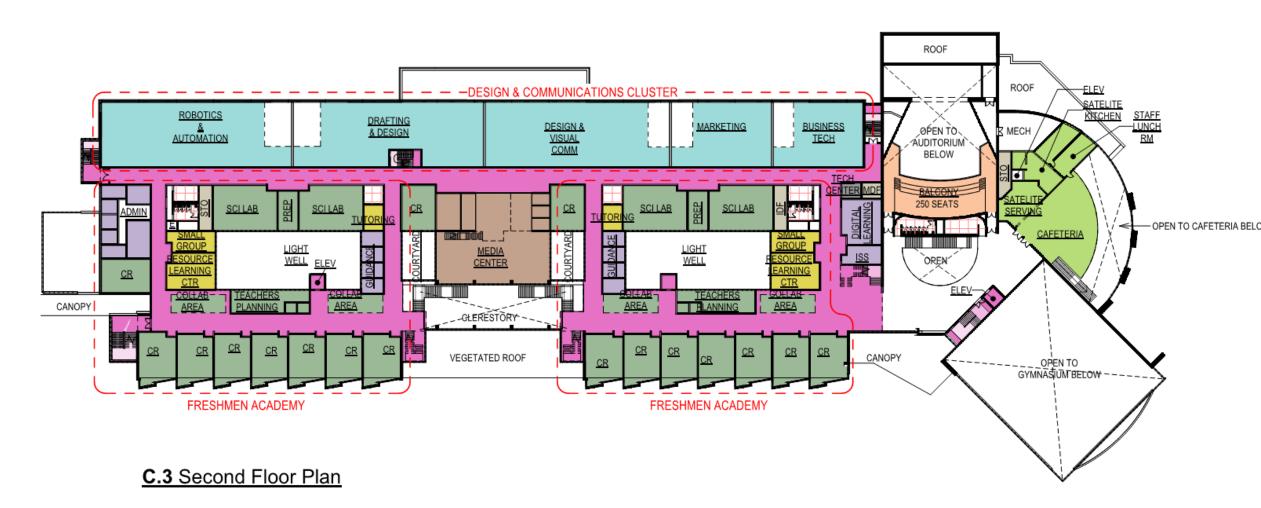


## SERVICE YARD

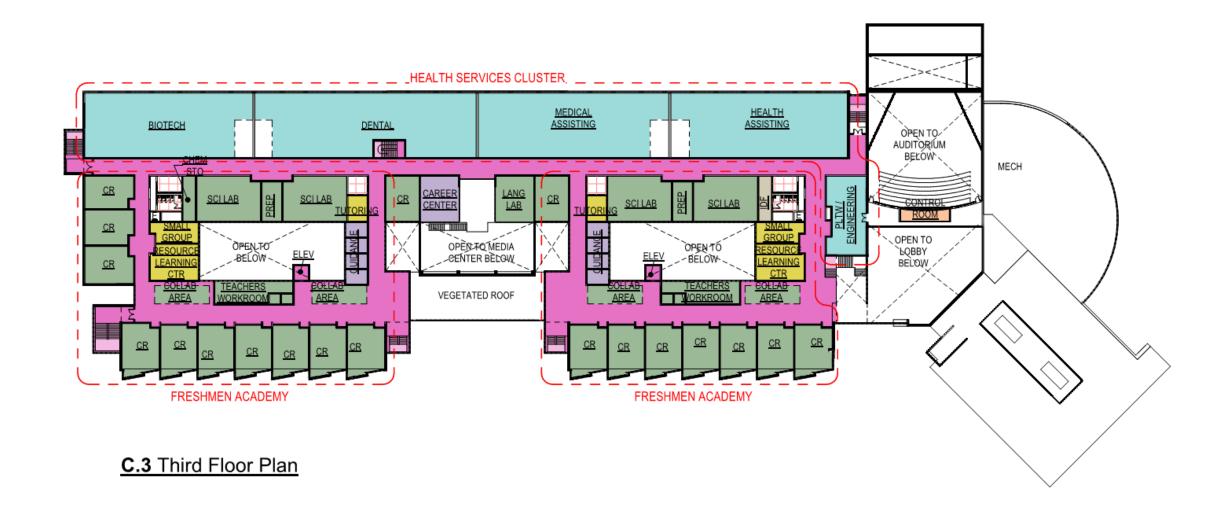


Floor Plan - Update





Floor Plan - Update



Floor Plan - Update







