

# Steel Center for Career and Technical Education

## Staged Construction of Proposed Improvements



360°



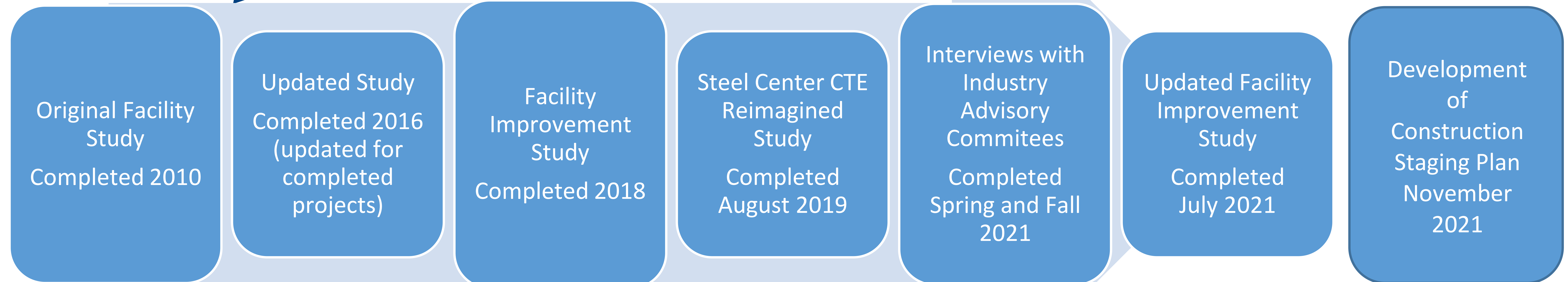
November 12, 2021

#4167



### Capital Improvements:

1. Power House Cooling Tower Replacement (2010)
2. Loading Dock Repairs (2010)
3. Miscellaneous Energy Improvements (2012)
4. Security Vestibules (2013)

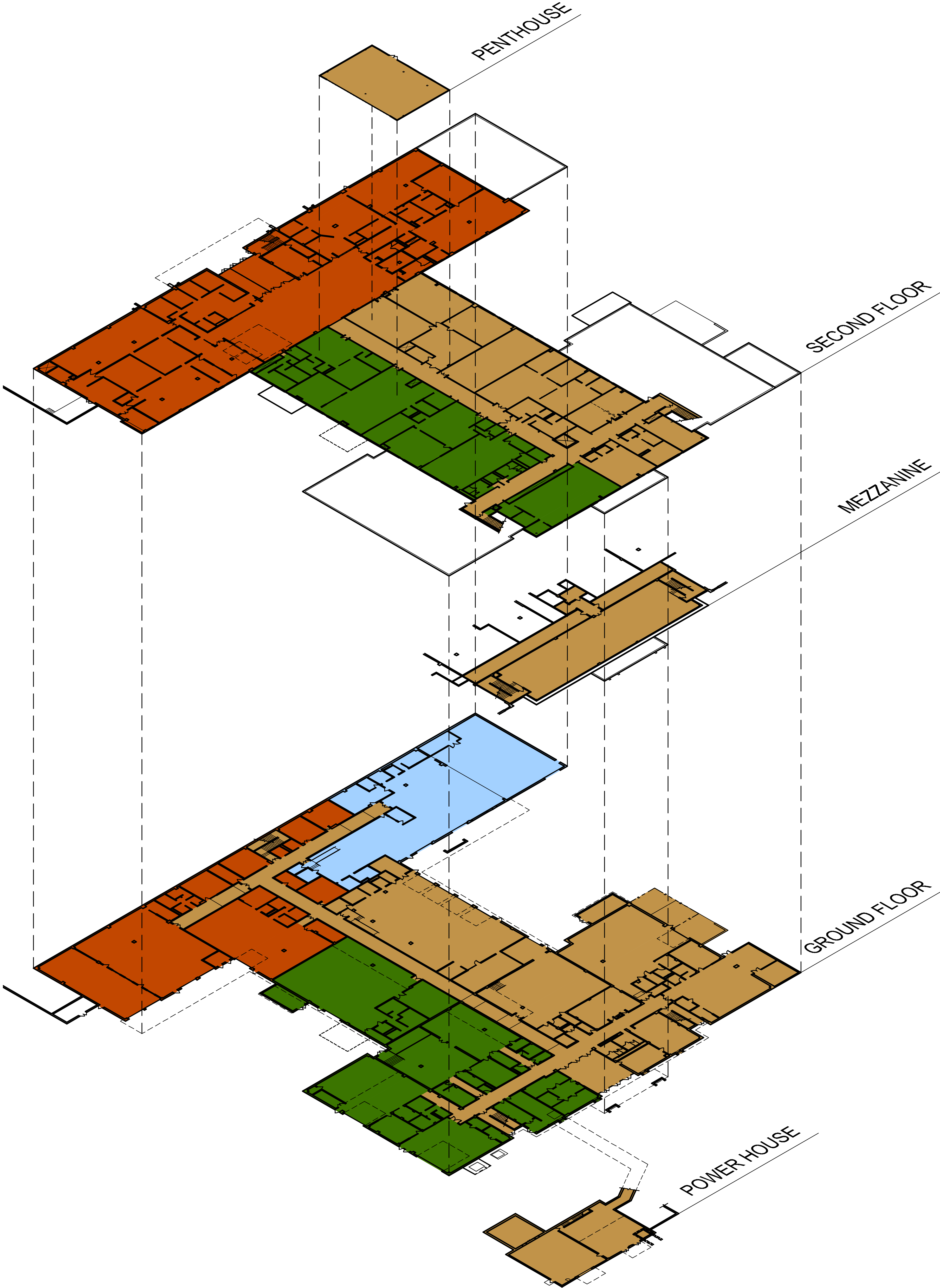


### Capital Improvements:

1. Power House Boiler Replacement (2016)
2. Power House Roof Replacement (2016)

### Capital Improvement:

1. Entrance Drive Paving (2019)



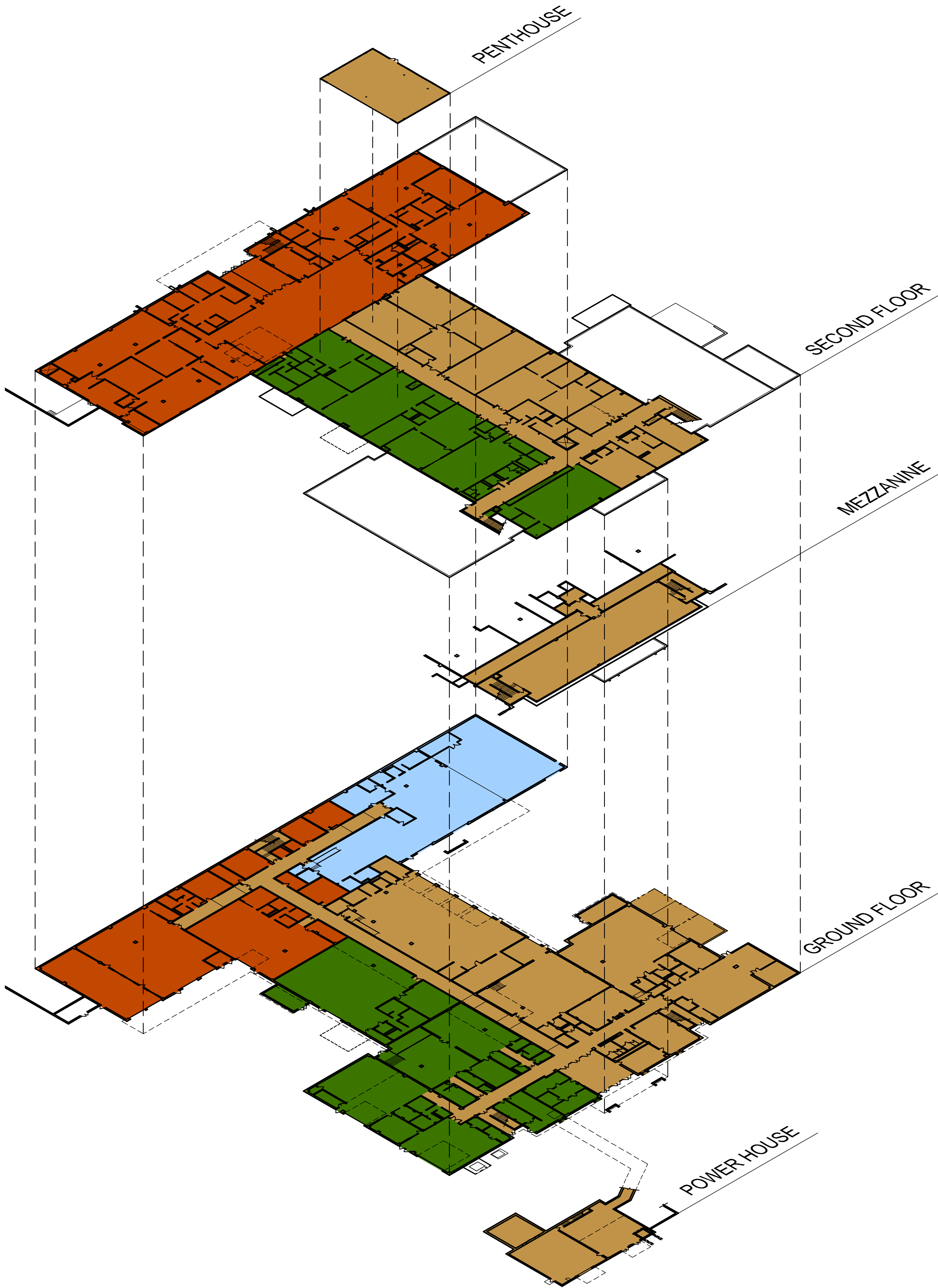
CONSTRUCTION STAGES (proposed)

- STAGE 1: October, 2022 - May, 2023
- STAGE 2A: May, 2023 - May, 2024  
*\*(CORRIDOR CEILINGS INSTALLED IN PHASE 2C)*
- STAGE 2B: July, 2024 - April, 2025
- STAGE 2C: May 2025 - April 2026

NOTE:  
CONSTRUCTION STAGES WILL BE FURTHER  
DIVIDED LATER TO MAINTAIN OPERATIONS &  
EDUCATIONAL DELIVERY

Each Construction Stage represents an  
independently bid, separate project.





CONSTRUCTION STAGES

STAGE 1

STAGE/SCOPE:

STAGE 1

- Diesel Technology Expansion
- Building Addition
- Existing Lab Modifications
- Increased Electrical Power
- Natural Gas to Building

CONSTRUCTION DURATION:

October 31, 2022 - May 5, 2023  
(29 weeks)

PROJECT COSTS:

|                      |                    |
|----------------------|--------------------|
| Construction Costs:  | \$2,039,000        |
| Related Costs:       | <u>\$578,000</u>   |
| Total Project Costs: | <b>\$2,617,000</b> |





CONSTRUCTION STAGES

STAGE 2A  
*\*(CORRIDOR CEILINGS INSTALLED IN PHASE 2C)*

STAGE/SCOPE:

- STAGE 2A
- Select ADA Improvements in Stage Area
  - Partial Metal Panel Replacement at Building Front
  - Select Floor/Paint/Ceiling Replacement in Stage Area
  - All HVAC Improvements in Stage Area
  - All Mechanical Improvements in Power House Incuding New H&C Pipe to Steel Center
  - All Plumbing Improvements in Stage Area
  - All Electrical Improvements in Stage Area
  - Educational Program Improvements:
    - Automotive Tech Program
    - Building Trades Program
    - HVAC Program
    - Advertising and Design Program
    - Medical Professions Program
    - Relocate Conference Room 'B' to Lobby Area
    - Relocate Health and Safety Nurse
    - Relocate Faculty Room
    - Relocate Learning Facilitator Office
    - Create 2nd Floor Boys/Girls Locker Rooms

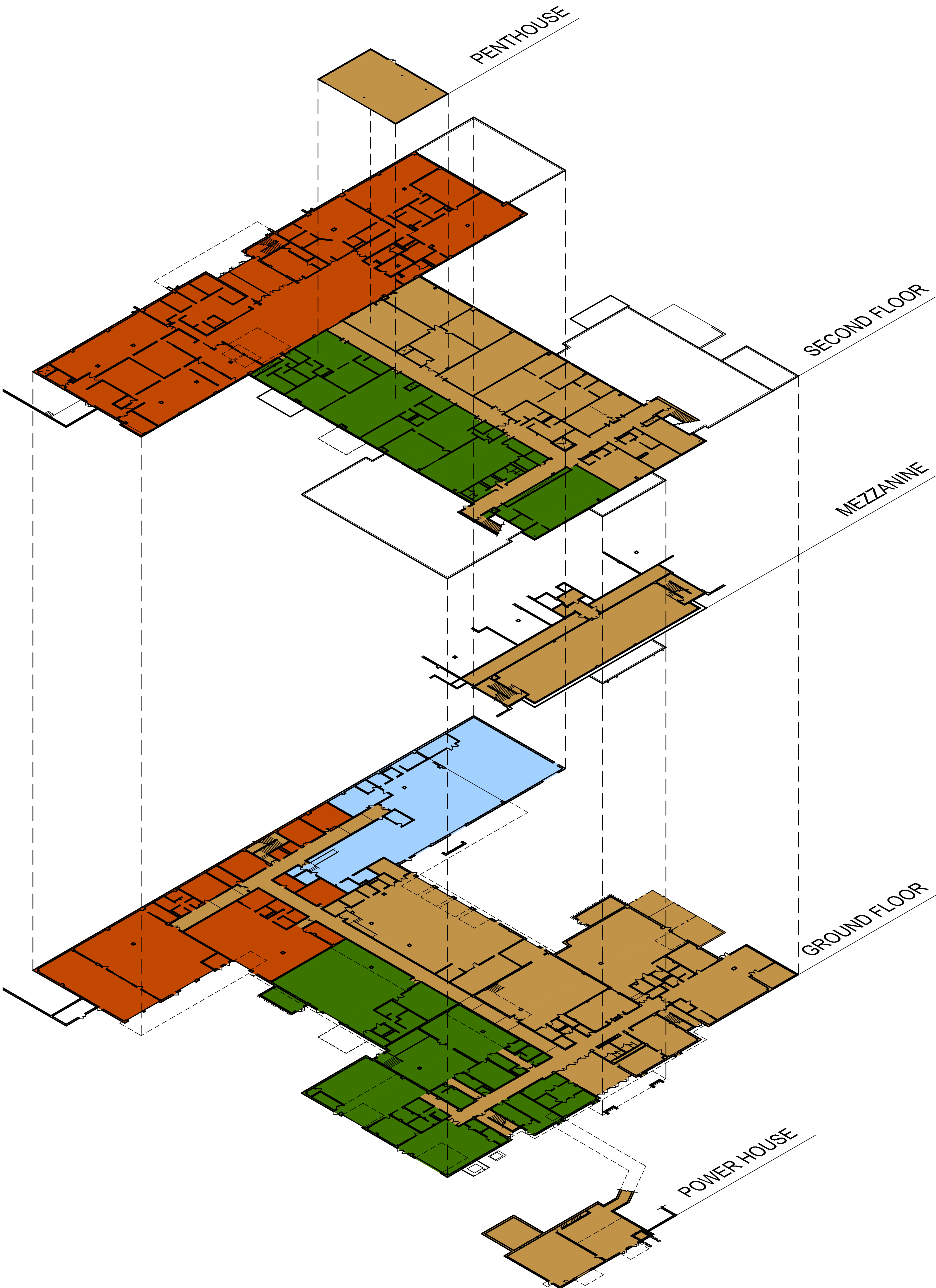
CONSTRUCTION DURATION:

May 8, 2023 - May 31, 2024  
(56 weeks)

PROJECT COSTS:

|                      |                     |
|----------------------|---------------------|
| Construction Costs:  | \$11,193,000        |
| Related Costs:       | <u>\$2,668,500</u>  |
| Total Project Costs: | <b>\$13,861,500</b> |





CONSTRUCTION STAGES

■ STAGE 2B

STAGE/SCOPE:

STAGE 2B

- Select ADA Improvements in Stage Area
- Select Floor/Paint/Ceiling Replacement in Stage Area
- All HVAC Improvements in Stage Area
- All Plumbing Improvements in Stage Area
- All Electrical Improvements in Stage Area
- Educational Program Improvements:
  - Electrical Program
  - Carpentry Program
  - Health Assistant Program
  - Exercise Science and Rehab Program
  - Bakery/Culinary Arts Program: Relocate Locker Rooms
  - Relocate Student Services/Guidance Departments
  - New Overhead Door at new Storage/Receiving Area

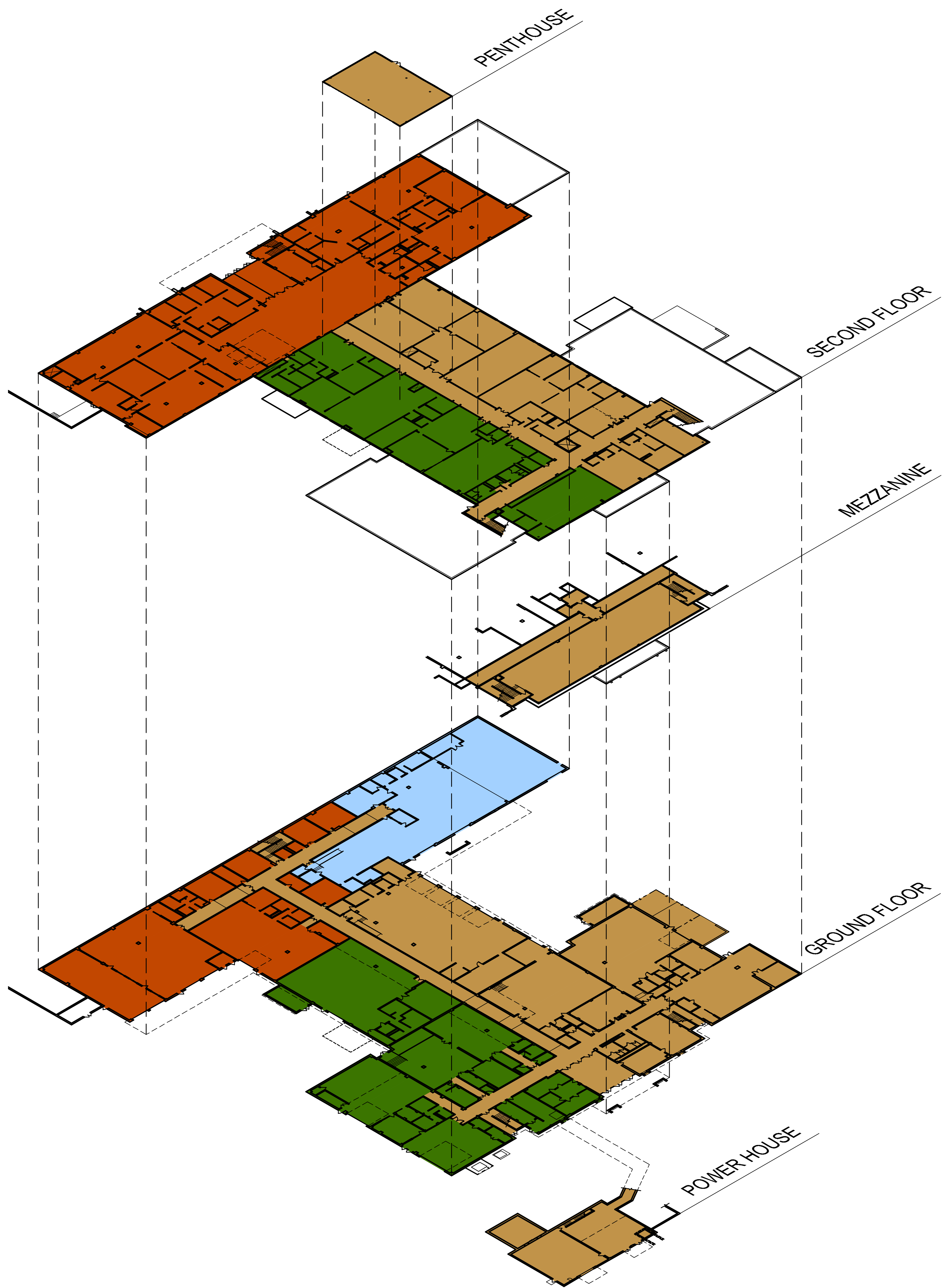
CONSTRUCTION DURATION:

July 1, 2024 - April 4, 2025  
(40 weeks)

PROJECT COSTS:

|                      |             |
|----------------------|-------------|
| Construction Costs:  | \$3,827,000 |
| Related Costs:       | \$1,194,800 |
| Total Project Costs: | \$5,021,800 |





CONSTRUCTION STAGES

 STAGE 2C

STAGE/SCOPE:

STAGE 2C

Select ADA Improvements in Stage Area  
Select Floor/Paint/Ceiling Replacement in Stage Area  
All HVAC Improvements in Stage Area  
All Plumbing Improvements in Stage Area  
All Electrical Improvements in Stage Area  
Educational Program Improvements:  
    Welding Program  
    Collision Repair Program  
    Bakery/Culinary Arts Program  
    Cosmetology Program  
    Reorganize School Offices  
    Relocate School Store to Lobby Area

CONSTRUCTION DURATION:

May 5, 2025 - April 3, 2026  
(48 weeks)

PROJECT COSTS:

|                      |                    |
|----------------------|--------------------|
| Construction Costs:  | \$6,119,000        |
| Related Costs:       | <u>\$1,653,000</u> |
| Total Project Costs: | <b>\$7,772,000</b> |





| STAGE/SCOPE: | CONSTRUCTION DURATION:                       | PROJECT COSTS:  |
|--------------|--|---|
| STAGE 1      | October 31, 2022 - May 5, 2023<br>(29 weeks) | Construction Costs: \$2,039,000<br>Related Costs: \$578,000<br>Total Project Costs: \$2,617,000     |
| STAGE 2A     | May 8, 2023 - May 31, 2024<br>(56 weeks)     | Construction Costs: \$11,193,000<br>Related Costs: \$2,668,500<br>Total Project Costs: \$13,861,500 |
| STAGE 2B     | July 1, 2024 - April 4, 2025<br>(40 weeks)   | Construction Costs: \$3,827,000<br>Related Costs: \$1,194,800<br>Total Project Costs: \$5,021,800   |
| STAGE 2C     | May 5, 2025 - April 3, 2026<br>(48 weeks)    | Construction Costs: \$6,119,000<br>Related Costs: \$1,653,000<br>Total Project Costs: \$7,772,000   |

TOTAL CONSTRUCTION COSTS: \$23,178,000  
TOTAL RELATED COSTS: \$6,094,300  
TOTAL ALL STAGES: \$29,272,300



1. Confirm Project Scope
2. Determine Funding Options
3. Begin Design Phase by April 2022





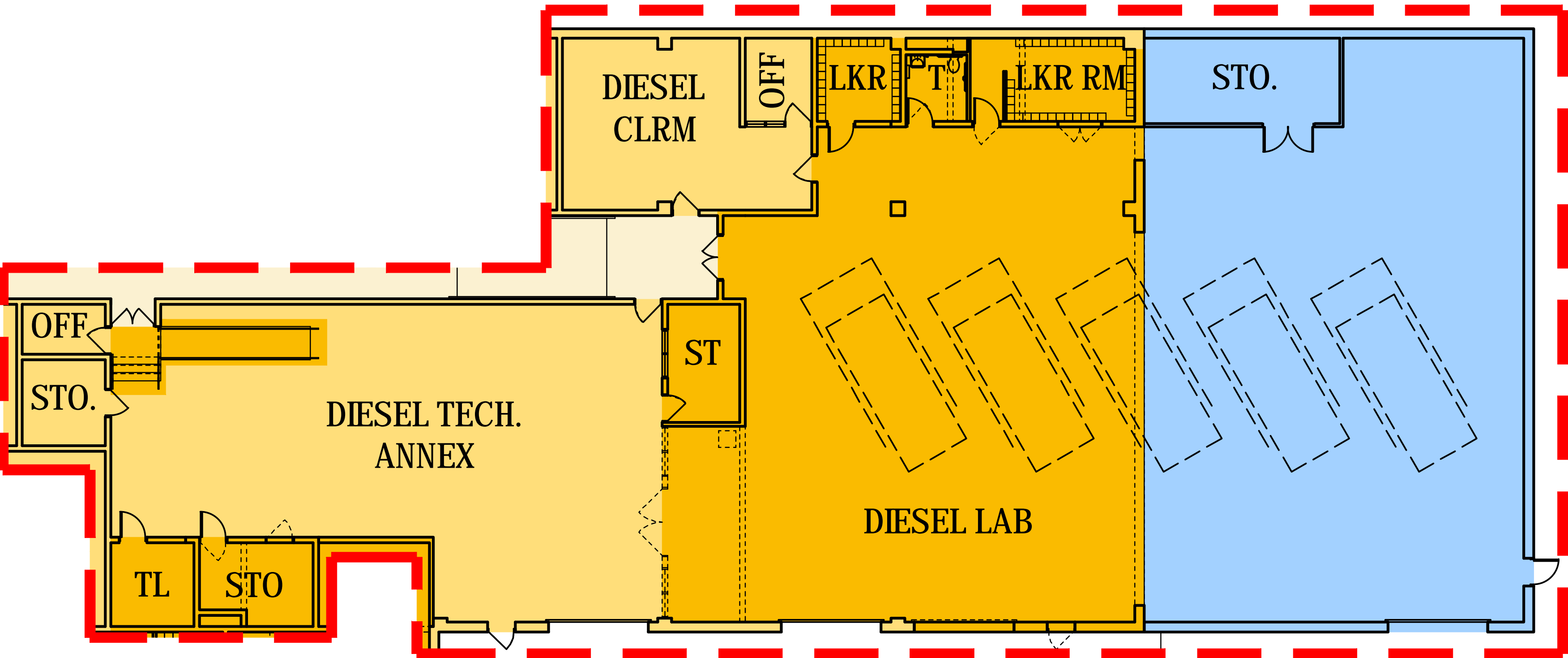






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PARTIAL FIRST FLOOR PLAN



- DIESEL TECH. NEEDS:

  - LARGER SHOP AREA
  - 2 ADDITIONAL VEHICLE HOISTS
  - MODIFY ANNEX FOR BETTER SUPERVISION

CONSTRUCTION COSTS:

|   |             |
|---|-------------|
| <u>Diesel Technology Program:</u>   |             |
| New Building Addition (including 2 new heavy & 2 new medium duty lifts)     | \$1,300,000 |
| Modify/Renovate Existing and Annex Labs to connect to new Building Addition | \$525,000   |
| Increase Electrical Power to Lab spaces                                     | \$100,000   |
| Subtotal:   | \$1,925,000 |

|  |          |
|--|----------|
| Extend Gas Service to Building   | \$74,000 |
| Contractors General Conditions (Bonds, Insurance, Overhead, Profit, etc.): | \$40,000 |

Total Construction Costs: \$2,039,000

RELATED COSTS:

|   |           |
|---|-----------|
| Architectural Design / Engineering                              | \$142,800 |
| Part Time Construction Clerk/Field Representative               | \$0       |
| Site Survey (completed)   | \$0       |
| Test Borings/Report Allowance                                   | \$8,000   |
| Geotechnical Construction Inspections Allowance                 | \$12,000  |
| Storm Water / Erosion Control Design Fees Allowance (if needed) | \$15,000  |
| County NPDES / E&S Approvals Allowance (if needed)              | \$4,000   |
| Township Land Development Approval Allowance (if needed)        | \$4,000   |
| Asbestos Abatement Consultant Allowance                         | \$7,000   |
| Asbestos Abatement (Removal) Allowance                          | \$10,000  |
| HVAC Commissioning Allowance                                    | \$12,000  |
| Township Plan Review/Building Permit Allowance (3rd Party)      | \$12,000  |
| Miscellaneous Equipment Allowance (by Owner)                    | \$80,000  |
| Construction / Bid Document Printing Allowance                  | \$4,000   |
| Bid Advertising Allowance                                       | \$2,000   |
| Financing Fees Allowance  | \$20,400  |
| Cost Escalation Allowance                                       | \$40,800  |
| Contingency   | \$204,000 |

Total Related Costs: \$578,000

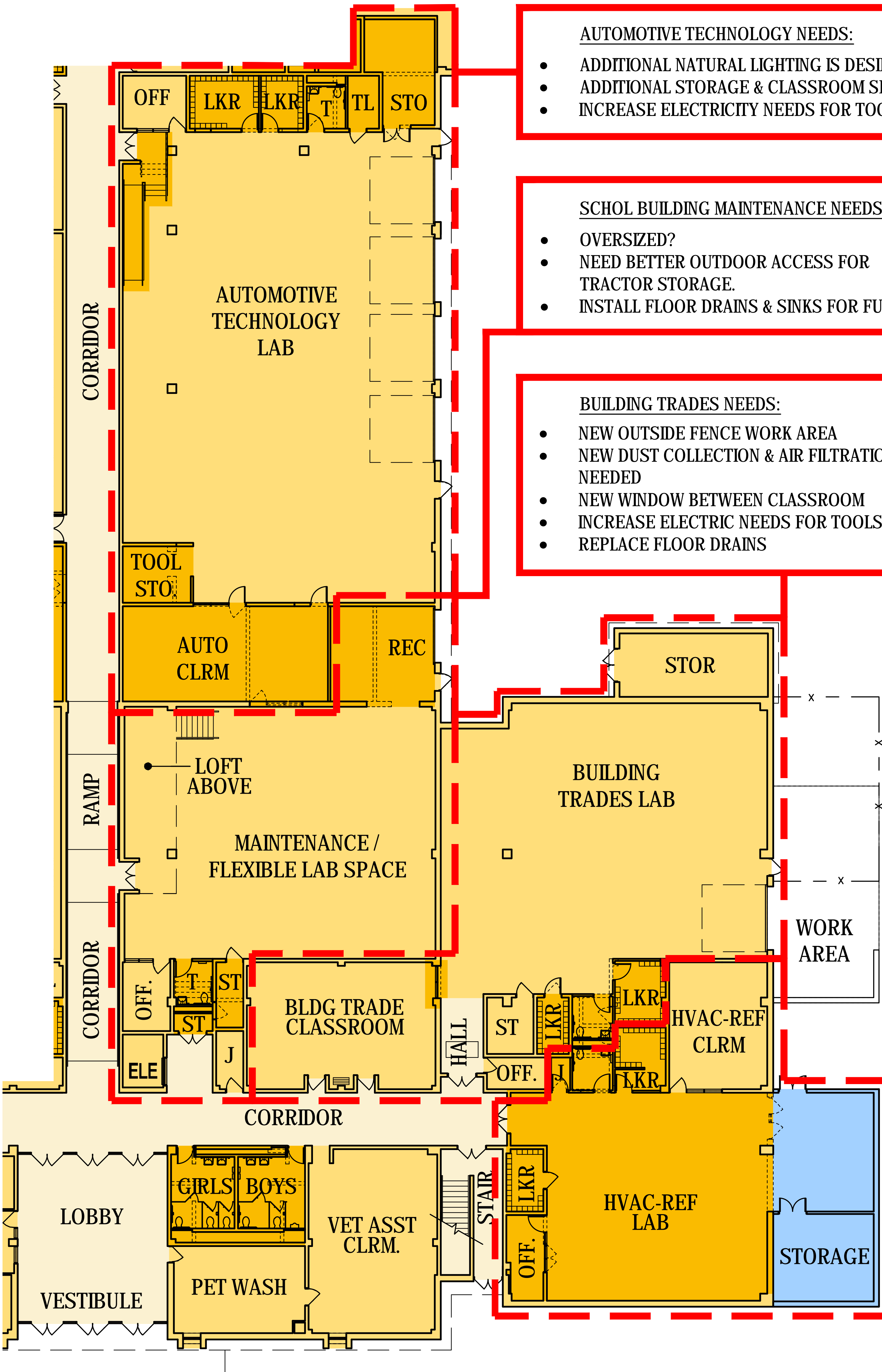
TOTAL PROJECT COSTS: \$2,617,000





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PARTIAL FIRST FLOOR PLAN



AUTOMOTIVE TECHNOLOGY NEEDS:

- ADDITIONAL NATURAL LIGHTING IS DESIRED
- ADDITIONAL STORAGE & CLASSROOM SPACE IS NEEDED
- INCREASE ELECTRICITY NEEDS FOR TOOLS

SCHOL BUILDING MAINTENANCE NEEDS:

- OVERSIZED?
- NEED BETTER OUTDOOR ACCESS FOR TRACTOR STORAGE.
- INSTALL FLOOR DRAINS & SINKS FOR FUTURE USE.

BUILDING TRADES NEEDS:

- NEW OUTSIDE FENCE WORK AREA
- NEW DUST COLLECTION & AIR FILTRATION NEEDED
- NEW WINDOW BETWEEN CLASSROOM
- INCREASE ELECTRIC NEEDS FOR TOOLS
- REPLACE FLOOR DRAINS

HVAC / REFRIGERATION NEEDS:

- LARGER WORKSTATIONS IN SHOP AREA / INCREASE LAB SIZE
- ADDITIONAL STORAGE IS NEEDED
- NEW LOCKER ROOMS (CLOSE TO LAB)

CONSTRUCTION COSTS:

General Construction:

|   |             |
|---|-------------|
| Locker Room/Restroom ADA Improvements   | \$463,000   |
| Modify Interior Doors to accommodate ADA requirements                                   | \$55,000    |
| Door Hardware Replacement to accommodate ADA requirements                               | \$46,000    |
| Stair Tower Handrail Replacement to accommodate ADA requirements                        | \$10,000    |
| New Interior Signage to accommodate ADA requirements                                    | \$6,000     |
| Update Elevator Controls to accommodate ADA requirements                                | \$60,000    |
| Partial Exterior Metal Panel Replacement at Building Front for AHU install at Penthouse | \$109,000   |
| Select Wall Painting in Phase Areas   | \$137,000   |
| Select Ceiling Replacement in Phase Areas   | \$232,000   |
| Select Flooring Replacement in Phase Areas  | \$124,000   |
| Subtotal:   | \$1,242,000 |

HVAC Construction:

|   |             |
|---|-------------|
| Replace Hot Water Pumps   | \$121,000   |
| Replace Temperature Control System  | \$815,000   |
| Replace Air Handling Units (Systems Units S-1,2,3,4,5, & 6) (Individual Space Units 3,4,& 11) | \$1,632,000 |
| Clean/Insulation Repair of Existing Ductwork  | \$152,000   |
| Exhaust Fan Replacement   | \$86,000    |
| Terminal Equipment Replacement  | \$206,000   |
| Replace Hot & Chilled Water Piping  | \$701,000   |
| VAV Box Replacement   | \$216,000   |
| Replace AHU in Power House  | \$60,000    |
| Replace Back-up Chiller in Power House  | \$479,000   |
| Replace Chilled Water Pumps in Power House  | \$124,000   |
| Replace Hot & Chilled Water Piping from Power House to SC/install Steam to Water Converter    | \$220,000   |
| Subtotal:   | \$4,812,000 |

Plumbing Construction:

|  |           |
|--|-----------|
| Replace Plumbing Fixtures to accommodate ADA requirements                        | \$228,000 |
| Install Thermostatic Mixing Valves on Faucets                                    | \$54,000  |
| Replace Pipe Valves, Isolation Valves, Balancing Stations, and In-Line Equipment | \$76,000  |
| Replace Steam Water Heaters  | \$113,000 |
| Select Sanitary Line Replacement   | \$83,000  |
| Install Central Thermostatic Mixing Valves at each Water Heater                  | \$51,000  |
| Subtotal:  | \$605,000 |

Electrical Construction:

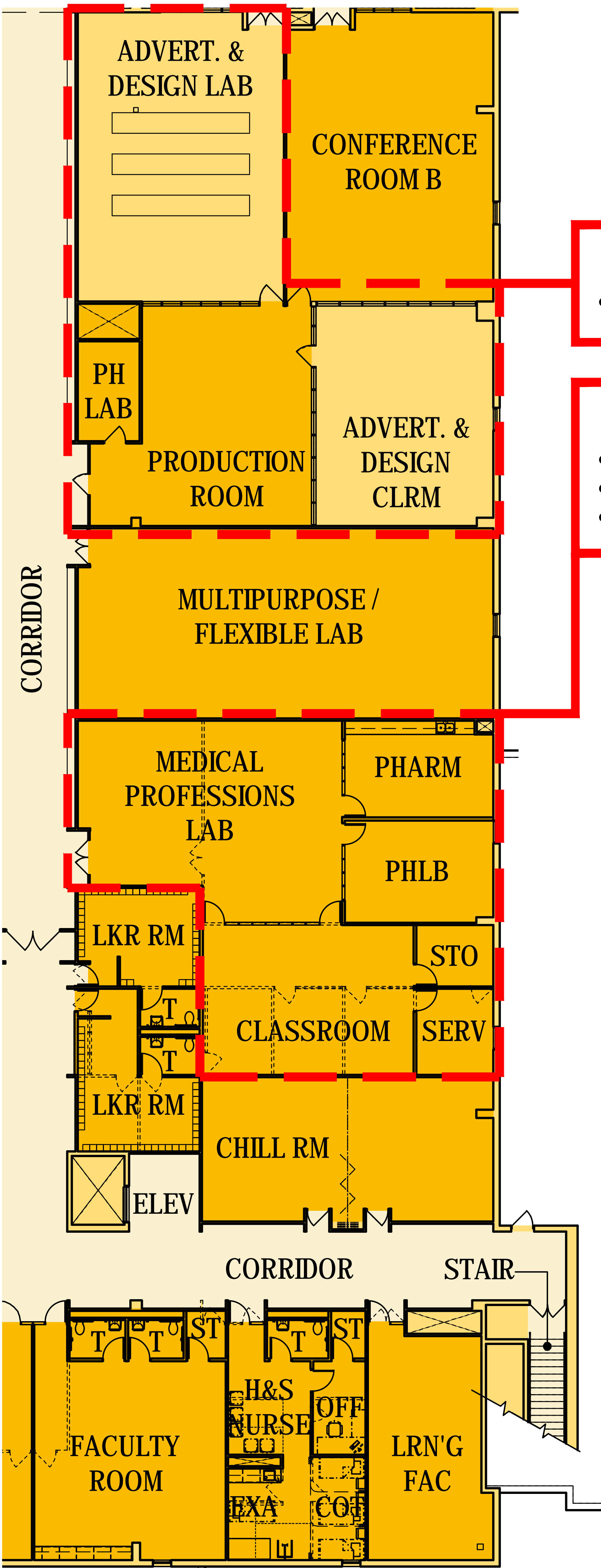
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|--|-------------|
| Install Area of Rescue Communication System in Stairs                | \$36,000    |
| Replace Light Fixtures and Controls with new LED Fixtures            | \$365,000   |
| Replace Emergency Generator  | \$214,000   |
| Replace Switchgear, Panelboards, Bus Duct and Feeders                | \$331,000   |
| Replace Branch Circuits and Devices                                  | \$229,000   |
| Replace Data Cabling Wiring/Remove Original Wiring                   | \$93,000    |
| Associated Electrical Work Related to HVAC Work Scope                | \$152,000   |
| Replace Switchgear, Panelboards, and Feeders in Power House          | \$74,000    |
| Associated Electrical Work Related to HVAC Work Scope in Power House | \$68,000    |
| Replace Fire Alarm System  | \$127,000   |
| Subtotal:  | \$1,689,000 |





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PARTIAL SECOND FLOOR PLAN



- ADVERTISING AND DESIGN NEEDS:
- NEW PHOTO LAB

- MEDICAL PROFESSIONS NEEDS:
- NEW MEDICAL EQUIPMENT FOR CERTIFICATION TRAINING
  - LARGER CLASSROOM AND LAB SPACE
  - NEW LOCKER ROOMS

Educational Program Improvements:

|  |             |
|--|-------------|
| Automotive Tech Program: Enlarge Storage Room                                  | \$100,000   |
| Automotive Tech Program: Increase Classroom Space                              | \$115,000   |
| Automotive Tech Program: Increase Electrical Power                             | \$175,000   |
| Automotive Tech Program: Replace Garage Door Panels for Natural Light          | \$15,000    |
| Building Trades Program: Replace Floor Drains                                  | \$60,000    |
| Building Trades Program: Install new Window between Classroom and Lab          | \$10,000    |
| Building Trades Program: Install new Dust Collection and Air Filtration System | \$175,000   |
| HVAC Program: Renovate/Expand Lab into new Building Addition                   | \$550,000   |
| HVAC Program: Create new Storage and Office Area                               | \$175,000   |
| HVAC Program: Increase Electrical Power  | \$100,000   |
| Advertising and Design Program: Convert Computer Lab 'A' into Design Studio    | \$75,000    |
| Medical Professions Program: Relocate and Increase Classroom & Lab Space       | \$140,000   |
| Medical Professions Program: Create Tech Lab Areas                             | \$90,000    |
| Medical Professions Program: Create new Locker Rooms                           | \$125,000   |
| Misc: Relocate Conference Room 'B' to Lobby Area                               | \$185,000   |
| Misc: Relocate Health and Safety Nurse   | \$145,000   |
| Misc: Relocate Faculty Room  | \$125,000   |
| Misc: Relocate Learning Facilitator Office                                     | \$90,000    |
| Misc: Create 2nd Floor Boys/Girls Locker Rooms                                 | \$175,000   |
| Subtotal:  | \$2,625,000 |
| Contractors General Conditions (Bonds, Insurance, Overhead, Profit, etc.):     | \$220,000   |

Total Construction Costs: \$11,193,000

RELATED COSTS:

|  |             |
|--|-------------|
| Architectural Design / Engineering                         | \$783,600   |
| Part Time Construction Clerk/Field Representative          | \$0         |
| Site Survey (completed)                                    | \$0         |
| Test Borings/Report Allowance                              | \$6,000     |
| Geotechnical Construction Inspections Allowance            | \$8,000     |
| Asbestos Abatement Consultant Allowance                    | \$7,000     |
| Asbestos Abatement (Removal) Allowance                     | \$30,000    |
| HVAC Commissioning Allowance                               | \$60,000    |
| Township Plan Review/Building Permit Allowance (3rd Party) | \$12,000    |
| Miscellaneous Equipment Allowance (by Owner)               | \$300,000   |
| Construction / Bid Document Printing Allowance             | \$4,000     |
| Bid Advertising Allowance                                  | \$2,000     |
| Cost Escalation Allowance                                  | \$223,900   |
| Financing Fees Allowance                                   | \$112,000   |
| Contingency  | \$1,120,000 |
| Total Related Costs:                                       | \$2,668,500 |

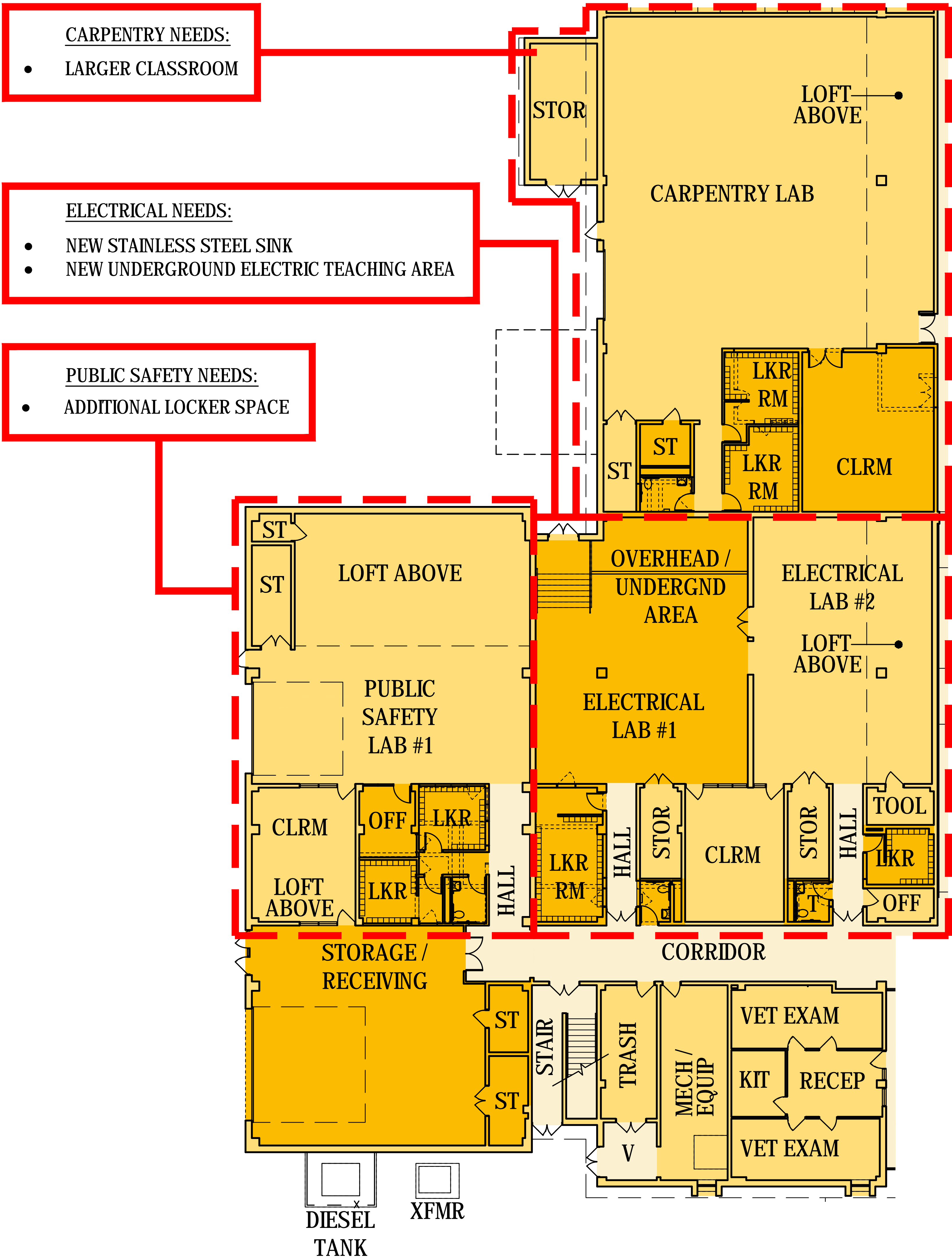
TOTAL PROJECT COSTS: \$13,861,500





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PARTIAL FIRST FLOOR PLAN



CONSTRUCTION COSTS:

General Construction:

|  |           |
|--|-----------|
| Locker Room/Restroom ADA Improvements                            | \$252,000 |
| Modify Interior Doors to accommodate ADA requirements            | \$30,000  |
| Electrical Lab Ramp Installation at Stairs                       | \$59,000  |
| Door Hardware Replacement to accommodate ADA requirements        | \$25,000  |
| Stair Tower Handrail Replacement to accommodate ADA requirements | \$10,000  |
| New Interior Signage to accommodate ADA requirements             | \$3,000   |
| Select Wall Painting in Phase Areas                              | \$75,000  |
| Select Ceiling Replacement in Phase Areas                        | \$126,000 |
| Select Flooring Replacement in Phase Areas                       | \$68,000  |
| Subtotal:  | \$648,000 |

HVAC Construction:

|   |             |
|---|-------------|
| Replace Temperature Control System                          | \$325,000   |
| Replace Air Handling Units (Individual Space Units 1,2,& 5) | \$162,000   |
| Clean/Insulation Repair of Existing Ductwork                | \$81,000    |
| Exhaust Fan Replacement                                     | \$46,000    |
| Terminal Equipment Replacement                              | \$115,000   |
| Replace Hot & Chilled Water Piping                          | \$358,000   |
| VAV Box Replacement   | \$115,000   |
| Subtotal:   | \$1,202,000 |

Plumbing Construction:

|  |           |
|--|-----------|
| Replace Plumbing Fixtures to accommodate ADA requirements                        | \$122,000 |
| Install Thermostatic Mixing Valves on Faucets                                    | \$29,000  |
| Replace Pipe Valves, Isolation Valves, Balancing Stations, and In-Line Equipment | \$41,000  |
| Select Sanitary Line Replacement   | \$44,000  |
| Subtotal:  | \$236,000 |

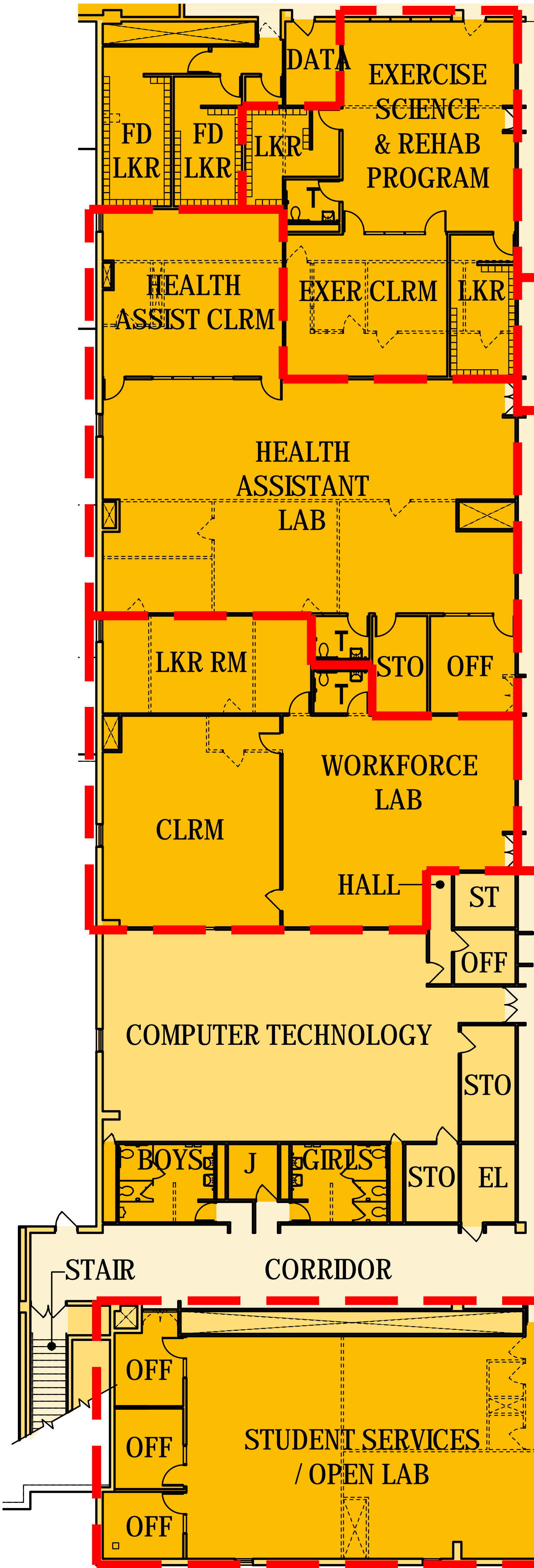
Electrical Construction:

|   |           |
|---|-----------|
| Install Area of Rescue Communication System in Stairs     | \$19,000  |
| Replace Light Fixtures and Controls with new LED Fixtures | \$194,000 |
| Replace Switchgear, Panelboards, Bus Duct and Feeders     | \$176,000 |
| Replace Branch Circuits and Devices                       | \$122,000 |
| Replace Data Cabling Wiring/Remove Orginal Wiring         | \$50,000  |
| Associated Electrical Work Related to HVAC Work Scope     | \$81,000  |
| Replace Fire Alarm System                                 | \$68,000  |
| Subtotal:   | \$710,000 |





PARTIAL SECOND FLOOR PLAN



Educational Program Improvements:

|  |           |
|--|-----------|
| Electrical Program: Replace Wash Fountains                                   | \$8,000   |
| Electrical Program: Create Underground Burial Area                           | \$15,000  |
| Carpentry Program: Increase Classroom Size                                   | \$115,000 |
| Health Assistant Program: Install new Window between Classroom and Lab       | \$12,000  |
| Health Assistant Program: Replace Countertops and Cabinets                   | \$35,000  |
| Health Assistant Program: Relocate Program Space to Lobby Area               | \$150,000 |
| Exercise Science and Rehab Program: Relocate Program Space to Lobby Area     | \$200,000 |
| Bakery/Culinary Arts Program: Create Larger Classrooms/Relocate Locker Rooms | \$150,000 |
| Misc: Relocate Student Services/Guidance Departments                         | \$210,000 |
| Misc: Provide new Overhead Door at new Storage/Receiving Area                | \$60,000  |
| Subtotal:  | \$955,000 |

Contractors General Conditions (Bonds, Insurance, Overhead, Profit, etc.):

**Total Construction Costs: \$3,827,000**

RELATED COSTS:

|  |           |
|--|-----------|
| Architectural Design / Engineering                         | \$267,900 |
| Part Time Construction Clerk/Field Representative          | \$0       |
| Site Survey (completed)                                    | \$0       |
| Test Borings/Report Allowance                              | \$6,000   |
| Geotechnical Construction Inspections Allowance            | \$8,000   |
| Asbestos Abatement Consultant Allowance                    | \$7,000   |
| Asbestos Abatement (Removal) Allowance                     | \$30,000  |
| HVAC Commissioning Allowance                               | \$60,000  |
| Township Plan Review/Building Permit Allowance (3rd Party) | \$12,000  |
| Miscellaneous Equipment Allowance (by Owner)               | \$300,000 |
| Construction / Bid Document Printing Allowance             | \$4,000   |
| Bid Advertising Allowance                                  | \$2,000   |
| Cost Escalation Allowance                                  | \$76,600  |
| Financing Fees Allowance                                   | \$38,300  |
| Contingency  | \$383,000 |

**Total Related Costs: \$1,194,800**

**TOTAL PROJECT COSTS: \$5,021,800**





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PARTIAL FIRST FLOOR PLAN



CONSTRUCTION COSTS:

General Construction:

|  |           |
|--|-----------|
| Locker Room/Restroom ADA Improvements                            | \$317,000 |
| Modify Interior Doors to accommodate ADA requirements            | \$38,000  |
| Automotive Tech Ramp Installation at Stairs                      | \$59,000  |
| Door Hardware Replacement to accommodate ADA requirements        | \$32,000  |
| Stair Tower Handrail Replacement to accommodate ADA requirements | \$10,000  |
| New Interior Signage to accommodate ADA requirements             | \$4,000   |
| Select Wall Painting in Phase Areas                              | \$94,000  |
| Select Ceiling Replacement in Phase Areas                        | \$159,000 |
| Select Flooring Replacement in Phase Areas                       | \$85,000  |
| Subtotal:  | \$798,000 |

HVAC Construction:

|   |             |
|---|-------------|
| Replace Temperature Control System                          | \$410,000   |
| Replace Air Handling Units (Individual Space Units 6,7,& 8) | \$256,000   |
| Clean/Insulation Repair of Existing Ductwork                | \$105,000   |
| Exhaust Fan Replacement                                     | \$60,000    |
| Terminal Equipment Replacement                              | \$148,000   |
| Replace Hot & Chilled Water Piping                          | \$462,000   |
| VAV Box Replacement   | \$148,000   |
| Subtotal:   | \$1,589,000 |

Plumbing Construction:

|  |           |
|--|-----------|
| Replace Plumbing Fixtures to accommodate ADA requirements                        | \$156,000 |
| Install Thermostatic Mixing Valves on Faucets                                    | \$37,000  |
| Replace Pipe Valves, Isolation Valves, Balancing Stations, and In-Line Equipment | \$52,000  |
| Install Grease Interceptors at Food Prep Areas                                   | \$192,000 |
| Select Sanitary Line Replacement   | \$57,000  |
| Subtotal:  | \$494,000 |

Electrical Construction:

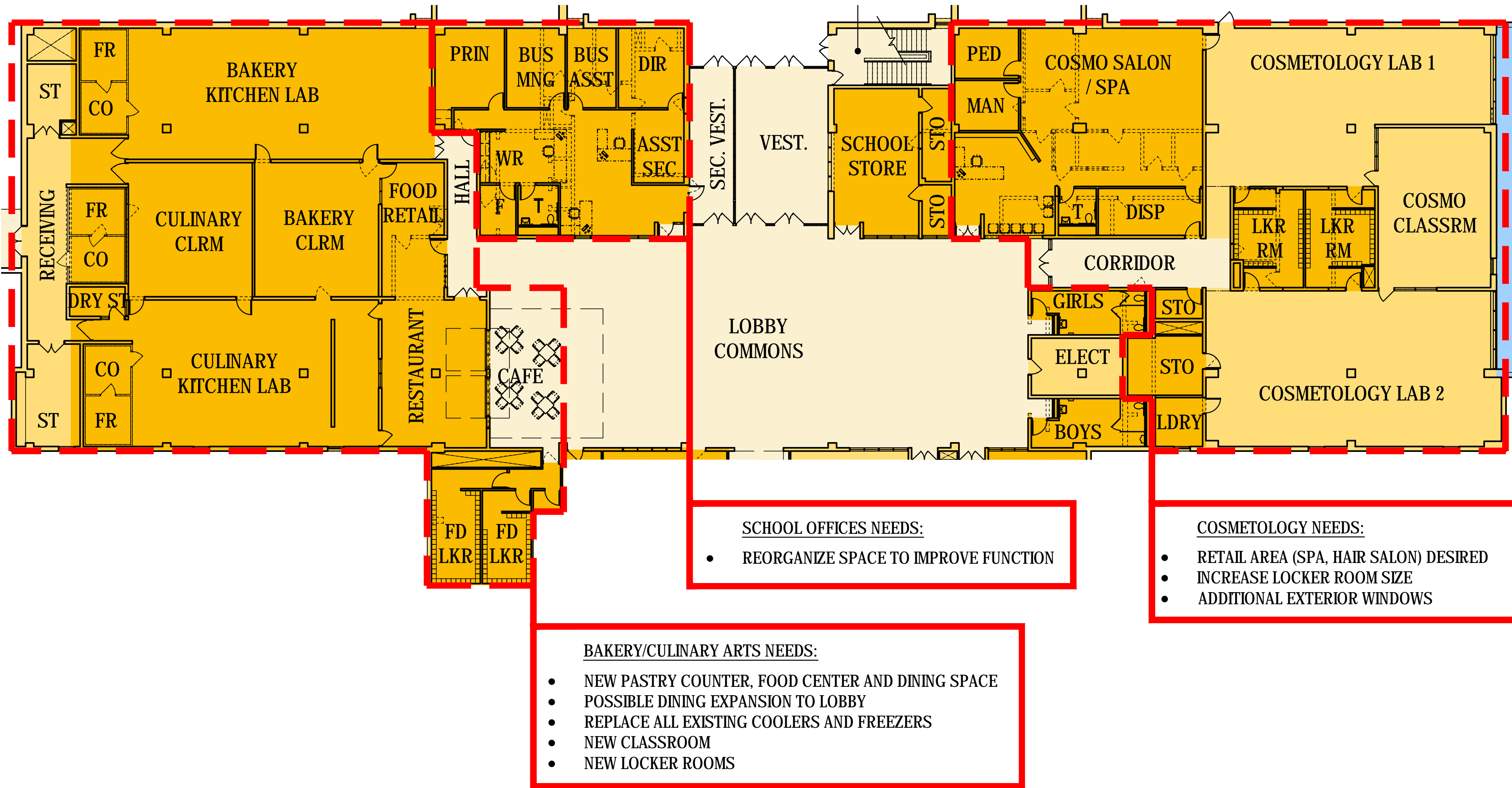
|   |           |
|---|-----------|
| Install Area of Rescue Communication System in Stairs     | \$25,000  |
| Replace Light Fixtures and Controls with new LED Fixtures | \$251,000 |
| Replace Switchgear, Panelboards, Bus Duct and Feeders     | \$228,000 |
| Replace Branch Circuits and Devices                       | \$158,000 |
| Replace Data Cabling Wiring/Remove Orginal Wiring         | \$64,000  |
| Associated Electrical Work Related to HVAC Work Scope     | \$100,000 |
| Replace Fire Alarm System                                 | \$87,000  |
| Subtotal:   | \$913,000 |





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PARTIAL SECOND FLOOR PLAN



Educational Program Improvements:

|   |             |
|---|-------------|
| Welding Program: Provide Drop Down Hoses and Ventilation Hoods (24)                   | \$175,000   |
| Welding Program: Install new Welding Curtains   | \$15,000    |
| Welding Program: Create Outdoor Welding Booth Area                                    | \$10,000    |
| Collision Repair Program: Increase Electrical Power                                   | \$100,000   |
| Bakery/Culinary Arts Program: Create Pastry Counter/Expand Dining Space to Lobby Area | \$240,000   |
| Bakery/Culinary Arts Program: Create Larger Classrooms/Relocate Locker Rooms          | \$150,000   |
| Bakery/Culinary Arts Program: Replace Coolers and Freezers                            | \$225,000   |
| Bakery/Culinary Arts Program: Renovate Existing Labs (Equipment, Finishes, etc.)      | \$400,000   |
| Cosmetology Program: Create Retail Area in Lobby Area                                 | \$275,000   |
| Cosmetology Program: Enlarge Locker Rooms   | \$125,000   |
| Cosmetology Program: Install Windows between Interior Rooms and new Exterior Windows  | \$95,000    |
| Cosmetology Program: Increase Electrical Power  | \$100,000   |
| Misc: Reorganize School Offices   | \$210,000   |
| Misc: Relocate School Store to Lobby Area   | \$85,000    |
| Subtotal:   | \$2,205,000 |
| Contractors General Conditions (Bonds, Insurance, Overhead, Profit, etc.):            | \$120,000   |

Total Construction Costs: \$6,119,000

RELATED COSTS:

|  |           |
|--|-----------|
| Architectural Design / Engineering                         | \$428,400 |
| Part Time Construction Clerk/Field Representative          | \$0       |
| Site Survey (completed)                                    | \$0       |
| Test Borings/Report Allowance                              | \$6,000   |
| Geotechnical Construction Inspections Allowance            | \$8,000   |
| Asbestos Abatement Consultant Allowance                    | \$7,000   |
| Asbestos Abatement (Removal) Allowance                     | \$30,000  |
| HVAC Commissioning Allowance                               | \$60,000  |
| Township Plan Review/Building Permit Allowance (3rd Party) | \$12,000  |
| Miscellaneous Equipment Allowance (by Owner)               | \$300,000 |
| Construction / Bid Document Printing Allowance             | \$4,000   |
| Bid Advertising Allowance                                  | \$2,000   |
| Cost Escalation Allowance                                  | \$122,400 |
| Financing Fees Allowance                                   | \$61,200  |
| Contingency  | \$612,000 |

Total Related Costs: \$1,653,000

TOTAL PROJECT COSTS: \$7,772,000



SITE PLAN



STAGE/SCOPE:

- Asphalt Drives and Parking Lots Replacement
- Select Concrete Sidewalk Replacement
- Roof Replacement
- Metal Panel Replacement (Steel Center & Power House)
- Exterior Masonry Repairs (Steel Center & Power House)
- Emergency Generator Replacement at Power House

CONSTRUCTION DURATION:

After 2026

PROJECT COSTS:

|                      |             |
|----------------------|-------------|
| Construction Costs:  | \$3,091,000 |
| Related Costs:       | \$650,300   |
| Total Project Costs: | \$3,741,300 |





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SITE PLAN



CONSTRUCTION COSTS:

General Construction:

|  |           |
|--|-----------|
| Replace Remaining Areas of Asphalt Parking Lots and Drives | \$410,000 |
| Select Sidewalk Replacement                                | \$156,000 |
| Subtotal:  | \$566,000 |

|   |             |
|---|-------------|
| Roof Replacement                                  | \$1,400,000 |
| Remaining Metal Panel Replacement at Steel Center | \$434,000   |
| Metal Panel Replacement at Power House            | \$150,000   |
| Exterior Masonry Wall Repairs at Steel Center     | \$320,000   |
| Exterior Masonry Wall Repairs at Power House      | \$75,000    |

Electrical Construction:

|  |          |
|--|----------|
| Replace Emergency Generator in Power House                                 | \$85,000 |
| Contractors General Conditions (Bonds, Insurance, Overhead, Profit, etc.): | \$61,000 |

Total Construction Costs: \$3,091,000

RELATED COSTS:

|  |           |
|--|-----------|
| Architectural Design / Engineering                         | \$216,400 |
| Part Time Construction Clerk/Field Representative          | \$0       |
| Site Survey (completed)                                    | \$0       |
| Test Borings/Report Allowance                              | \$8,000   |
| Geotechnical Construction Inspections Allowance            | \$12,000  |
| Township Plan Review/Building Permit Allowance (3rd Party) | \$5,000   |
| Construction / Bid Document Printing Allowance             | \$4,000   |
| Bid Advertising Allowance                                  | \$2,000   |
| Cost Escalation Allowance                                  | \$61,900  |
| Financing Fees Allowance                                   | \$31,000  |
| Contingency  | \$310,000 |

Total Related Costs: \$650,300

TOTAL PROJECT COSTS: \$3,741,300



"SYSTEMS" AHU'S  
w/ VAV w/ HW REHEAT

"INDEPENDENT" AIR  
HANDLING UNITS

BREAK OUT AREAS SERVED  
BY EITHER INDEPENDENT  
AHU'S (1-S-A ....) OR  
THE "SYSTEMS" AHU'S w/  
VAV BOXES

S1

S2

S3

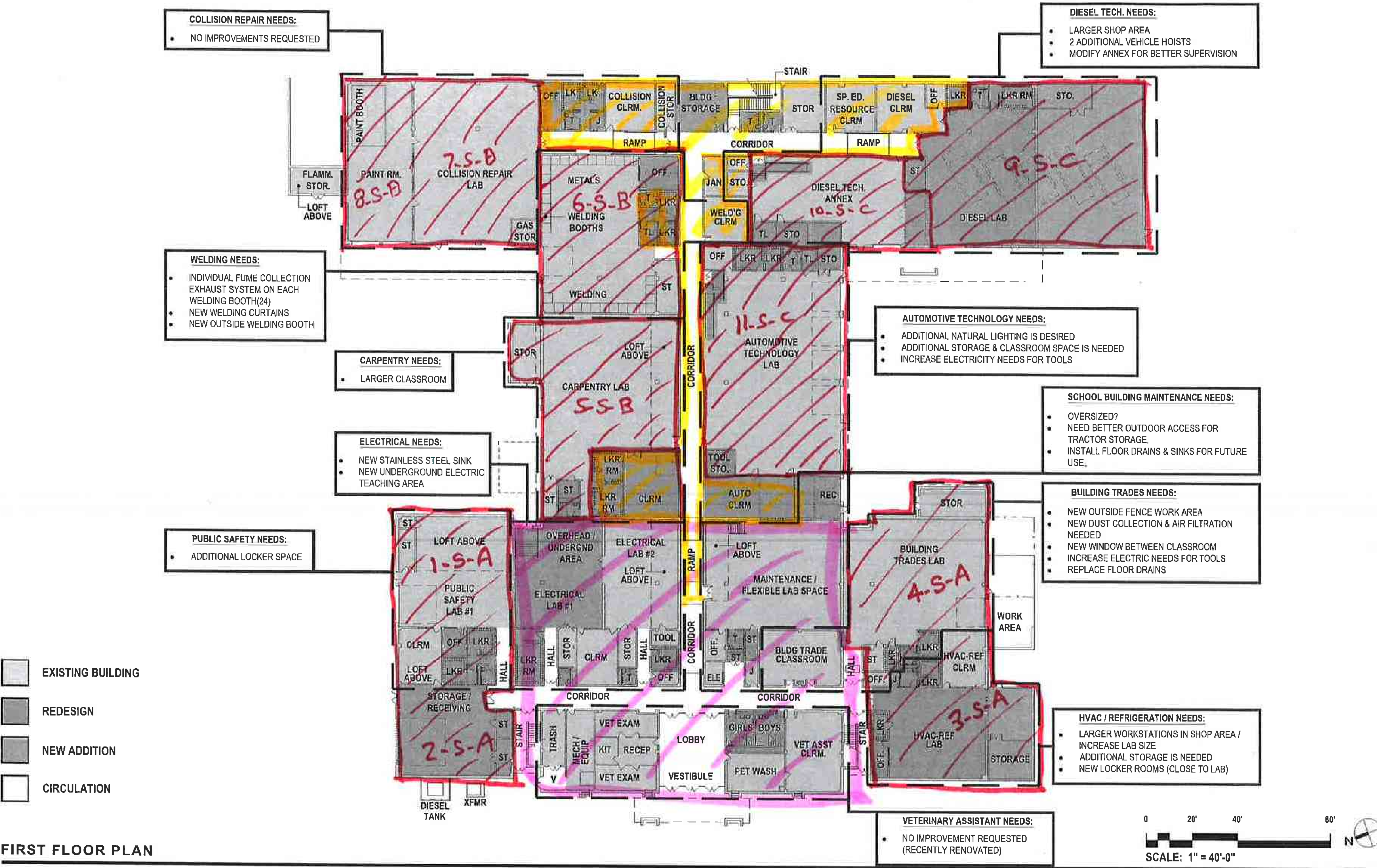
S4

S5

S6

PROPOSED

STEEL CENTER FOR CAREER AND TECHNICAL EDUCATION

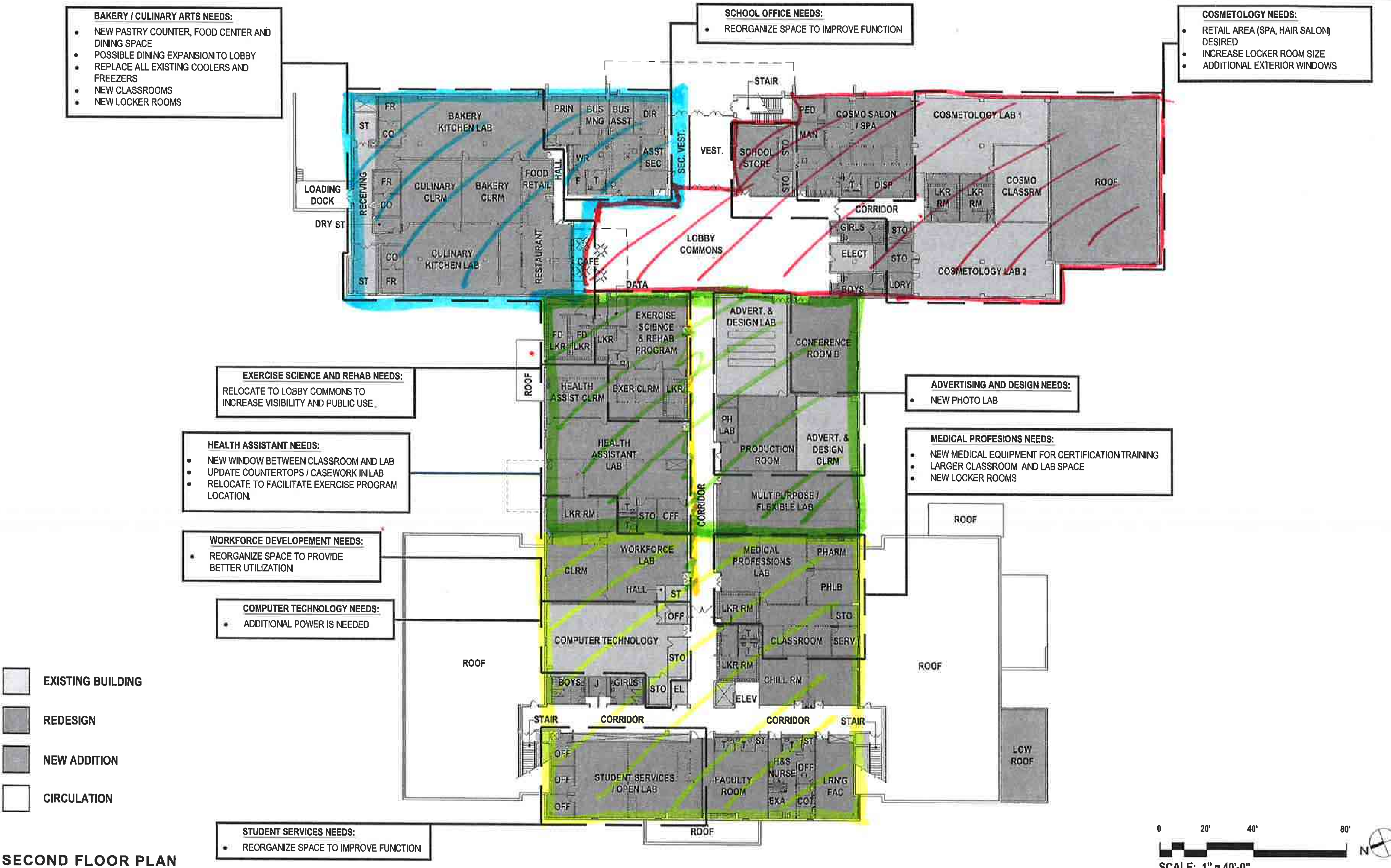




"SYSTEMS" AHU'S w/  
VAV BOXES w/HW REHEAT

PROPOSED

STEEL CENTER FOR CAREER AND TECHNICAL EDUCATION



SECOND FLOOR PLAN

Steel Center for Career and Technical Education • Update to the 2018 Facilities Study