

Mission Hill MS | Update



SANTA CRUZ CITY SCHOOLS | PLANNING REVIEW COMMITTEE – 23 OCTOBER 2019



BARTOS
ARCHITECTURE

COLLABORATION
ADVOCACY
RESEARCH
EDUCATION

Site Project Update

- ✓ Front Landscape Improvements: Complete (Punch List)
- ✓ Front Shade Structure and Monument Sign: Complete (Punch List)
- ✓ Accessible Student Restroom: Complete
- ✓ Roofing Phase 1: Main Building: Complete
- ✓ Locker Room Improvements: Complete
- ✓ Mod Phase 1: Permanent Partitions. Complete
- ✓ Fire Sprinkler Line Replacement: Complete
- Site Security Fencing: In Progress
- Site Security: Card Access: In progress
- Site Data Improvements: In Progress
- Roofing Phase 2: Summer 2020
- Exterior Envelope: Windows, Painting, Possible HVAC: Summer 2020
- Multi Purpose Room Improvements: Upon Completion of Roofing Phase 2
- New Building: Programming and Design

Front Landscape, Shelter and Monument sign



J
2018

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2019

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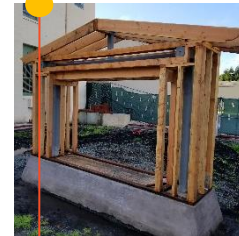
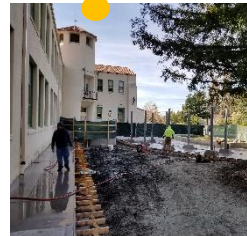
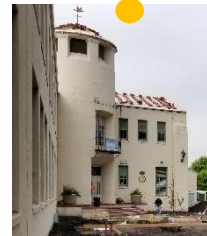
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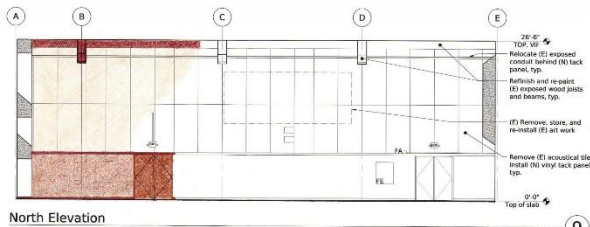
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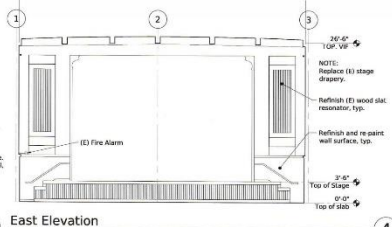
Ribbon Cutting



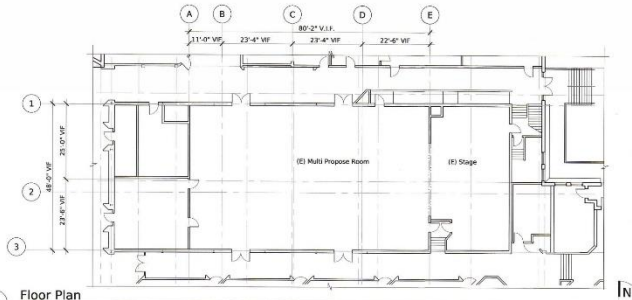
Multi Purpose Room Upgrades



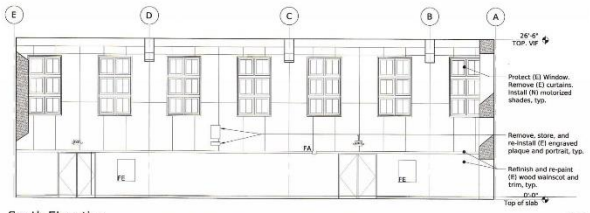
North Elevation



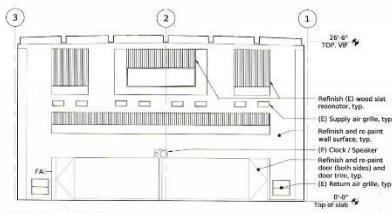
East Elevation



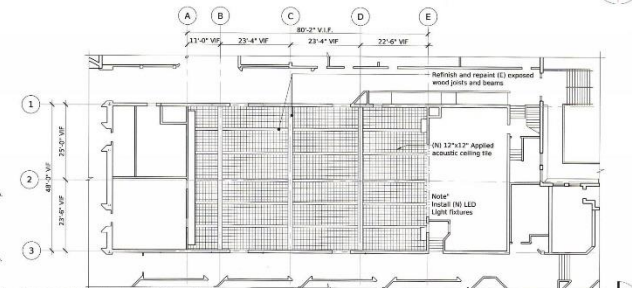
Floor Plan



South Elevation



West Elevation



Proposed Reflected Ceiling Plan



North Elevation Photo



Existing Ceiling Photo



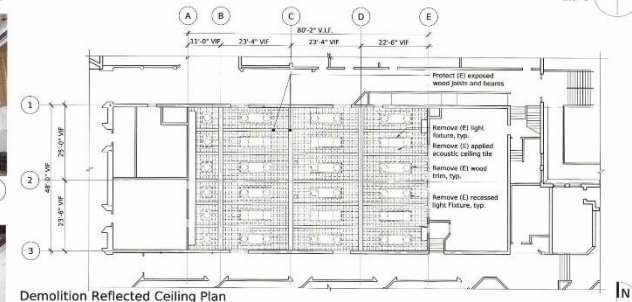
East Elevation Photo



West Elevation Photo



South Elevation Photo



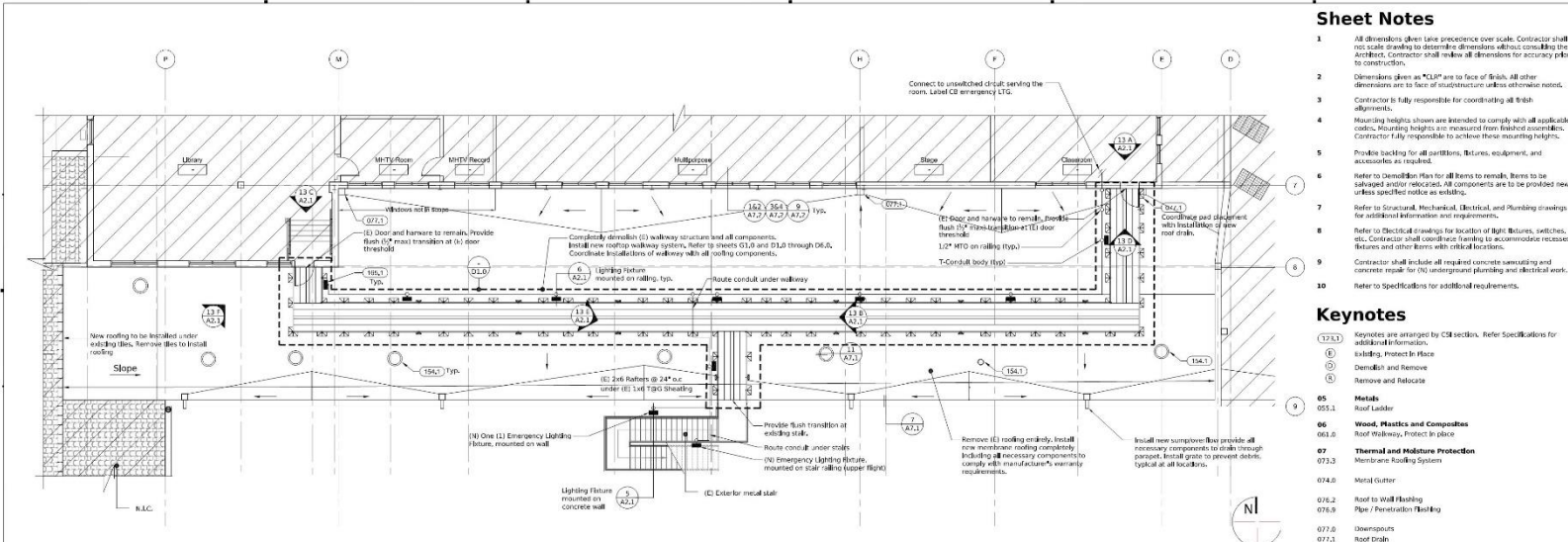
Demolition Reflected Ceiling Plan

Mission Hill Middle School - Multi-purpose Room Upgrades

Scale: as noted



Roofing Phase 2: Walkway at main building roof



- ### Sheet Notes
- All dimensions shall take precedence over scale. Contractor shall not scale drawing to determine dimensions without consulting the Architect. Contractor shall review all dimensions for accuracy prior to construction.
 - Dimensions given as "CLIP" are to face of Rib. All other dimensions are to face of substructure unless otherwise noted. Contractor is fully responsible for coordinating all finish alignments.
 - Mounting heights shown are intended to comply with all applicable codes. Mounting heights are measured from finished conditions. Contractor is fully responsible to achieve these mounting heights.
 - Provide backing for all partitions, fixtures, equipment, and accessories as installed.
 - Refer to Demolition Plan for all items to remove. Items to be salvaged unless otherwise noted. All components are to be provided unless specified unless as existing.
 - Refer to Structural, Mechanical, Electrical, and Plumbing drawings for additional information and requirements.
 - Refer to Electrical drawings for location of Light Bulbs, switches, etc. Contractor shall coordinate lighting to accommodate recessed fixtures and other items with critical locations.
 - Contractor shall include all required concrete formwork and concrete repair for (N) underground plumbing and electrical work.
 - Refer to Specifications for additional requirements.

- ### Keynotes
- Keynotes are arranged by CSI section. Refer Specifications for additional information.
- (12.1) Demolish and Remove
 - (05) Metals
 - (06) Wood, Plastics and Composites
 - (07.3) Thermal and Moisture Protection
 - (07.4) Metal Cladding
 - (07.6) Roof to Wall Flashing
 - (07.9) Roof Drain
 - (08) Openings
 - (09) Finishes
 - (15) Mechanical/Plumbing
 - (15.1) Mechanical Equipment
 - (15.2) Roofing Duct
 - (15.3) Sluic Vents
 - (15.4) Exhaust Fans
 - (15.5) Boiler Flues
 - (15.6) Water Heater Flue
 - (15.7) Smoke Vents
 - (16) Electrical

Partial Roof Plan



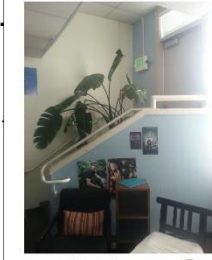
West Exit Exterior



East Exit Exterior



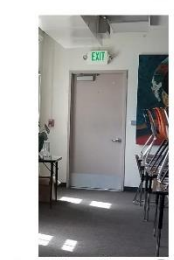
East Exit Exterior



West Exit Interior



Walkway Extension between Exits



East Exit Interior

Roof Sheathing Notes

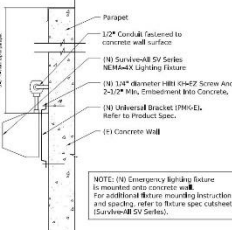
All roof sheathing (shown) is existing. Notes refer to replacement in kind of damage sheathing removed during demolition construction.

1. Use the following (Double) 1/2-inch gyp sheathing unless grades are not otherwise indicated on the drawings.
2. Use the following (Double) 1/2-inch gyp sheathing unless grades are not otherwise indicated on the drawings.
3. All existing sheathing shall be connected together with fasteners listed in table below.
4. Provide holes for fasteners to be as follows:

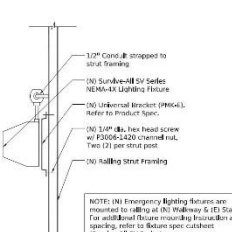
FASTENER	HOLE SIZE
NAIL:	3/4 DIA. IF NECESSARY TO PREVENT SPLITTING
LAG BOLTS & SCREWS:	DRILL FOR SHANK & REDUCE FOR ROOF AT THREADS PER CODE SECTION 11.5.2

LOCATION	MIN. THICKNESS	EDGES	FIELD
FLOORS	5/8"	5/8"	5/8"
WALLS	1/2"	1/2"	1/2"
ROOF	1/2"	1/2"	1/2"

5. Minimum width of structural board sheathing: 24" at roof. Install clear depth blocking of nominal size, at all structural panel edges. Use blocking same size as deck which edges are nailed at continuous horizontal joints. Install 3x4 blocking at floor and roof.
7. Field voids existing should be filled. Reduce panel thickness, blocking spacing and nail size in block.

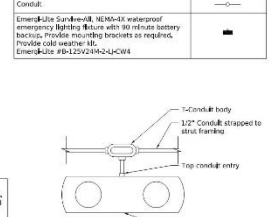


Fixture Mounting on Concrete Wall



Fixture Mounting on Strut Framing

Legend



Electrical Mounting



BARTOS ARCHITECTURE

1730 S. AMPHLETT BLVD., SUITE 225
SAN MATEO, CALIFORNIA 94402
www.bartosarchitecture.com



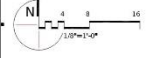
Santa Cruz City Schools



Mission Hill Middle School
425 King Street
Santa Cruz, California, 95060

Mission Hill Middle School
Roof Replacement

REVISION	DATE
DISA Submittal	3/10/2019
Rev Set	4/9/2019
DISA Backcheck	9/5/2019

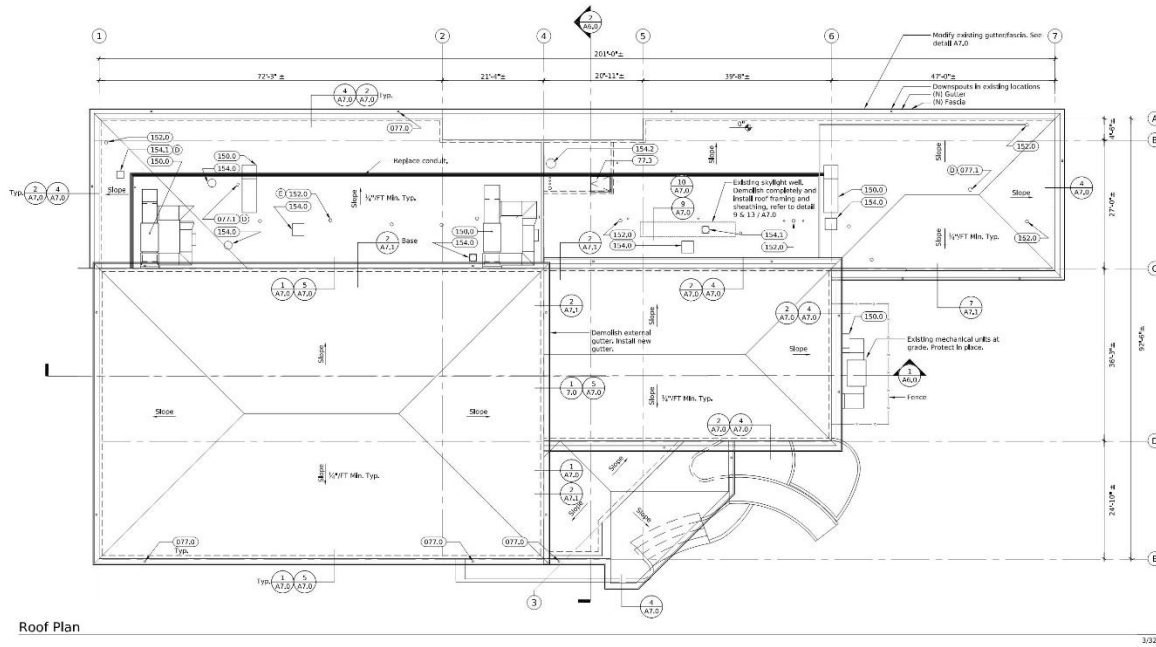


Roof Plan
Building A

BA 17-0501



Roofing Phase 2: Gymnasium



Roof Plan

Sheet Notes

- All dimensions given take precedence over scale. Contractor shall not scale drawing to determine dimensions without consulting the Architect. Contractor shall review all dimensions for accuracy prior to construction.
- Dimensions given as "CL" are to face of "RUB". All other dimensions are to face of substructure unless otherwise noted.
- Repeating items or assemblies may not be noted or dimensioned at all occurrences where repetition is obvious.
- Not all dimension and detailing is shown on drawings. Contractor to verify actual field conditions for full extent of demolition and patching.
- Contractor shall remove and replace all finishes. Flashing shall be added to provide adequate water tight assemblies through entire roof areas.
- Remove all existing gutters and downspouts. Replace with new aluminum gutters and downspouts.
- Connect all new downspouts to existing storm drain connections above grade. Verify locations and connections prior to fabrication and installation.
- Existing slope of flat roof areas shall be min. 1/4" per foot. Insulation shall be either replaced or added to ensure that all flat roof areas conform to this minimum slope.
- Patch cement plaster exterior wall finish if damaging during construction.
- Roof opening to remain in place.
- Existing mechanical equipment, vents, ducts, and fans to be replaced in kind unless otherwise noted. Refer to Mechanical drawings. Provide new flashing and sealant at all new and existing equipment.
- Replace all (N) conduit and piping, pipe and pails.

Keynotes

- Keynotes are arranged by CSI sections. Refer Specifications for additional information.
- (173.1) Existing, Protect in Place
 - (E) Demolish and Remove
 - (R) Remove and Rebarate
- 05 Metals**
055.1 Roof Ladder
- 06 Wood, Plastics and Composites**
061.0 Roof Membrane, Protect in place
- 07 Thermal and Moisture Protection**
073.0 Membrane Roofing System
- 074.0 Metal Gutter
- 076.2 Roof to Wall Flashing
076.0 Flg / Penetration Flashing
- 077.0 Downspouts
077.1 Roof Drain
077.4 Roof Access Hatch and Guardrail
- 08 Openings**
083.0 Chimney / Saddle
085.0 Atk. Door-Ventils, Replace
086.1 Skylight, see detail: 9 & 13 / A7.0
- 09 Finishes**
092.1 Cement Plaster
098.1 Paint
- 15 Mechanical / Plumbing**
156.0 Mechanical Equipment, Refer to M1.0 for details.
- 151.0 Roof/Top Duct
151.1 Roof/Top Duct / Penetration, Refer to M1.0 for Mechanical detail.
- 152.0 Stack Vane
- 153.0 Condensing Unit.
- 154.0 Exhaust Fan, Refer to 4/M1.0
154.1 Gravity Vent
154.2 Rafter Fan, Demolish at Interior and exterior.
154.3 Water Heater Flue, Refer to Mechanical.
- 155.0 Smoke Vent
- 156.0 Rafter Vent, see detail SAT.1 & Mechanical drawings.
- 16 Electrical**
165.1 Emergency Lighting Fixture

APPROVED
BY THE STATE ARCHITECT
APP 01 118048 INC.
REVIEWED FOR
R/S P/CD ACS
DATE: 08/28/2019

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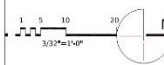
Santa Cruz City Schools

Mission Hill Middle School
435 King Street
Santa Cruz, California, 95060

Mission Hill Middle School

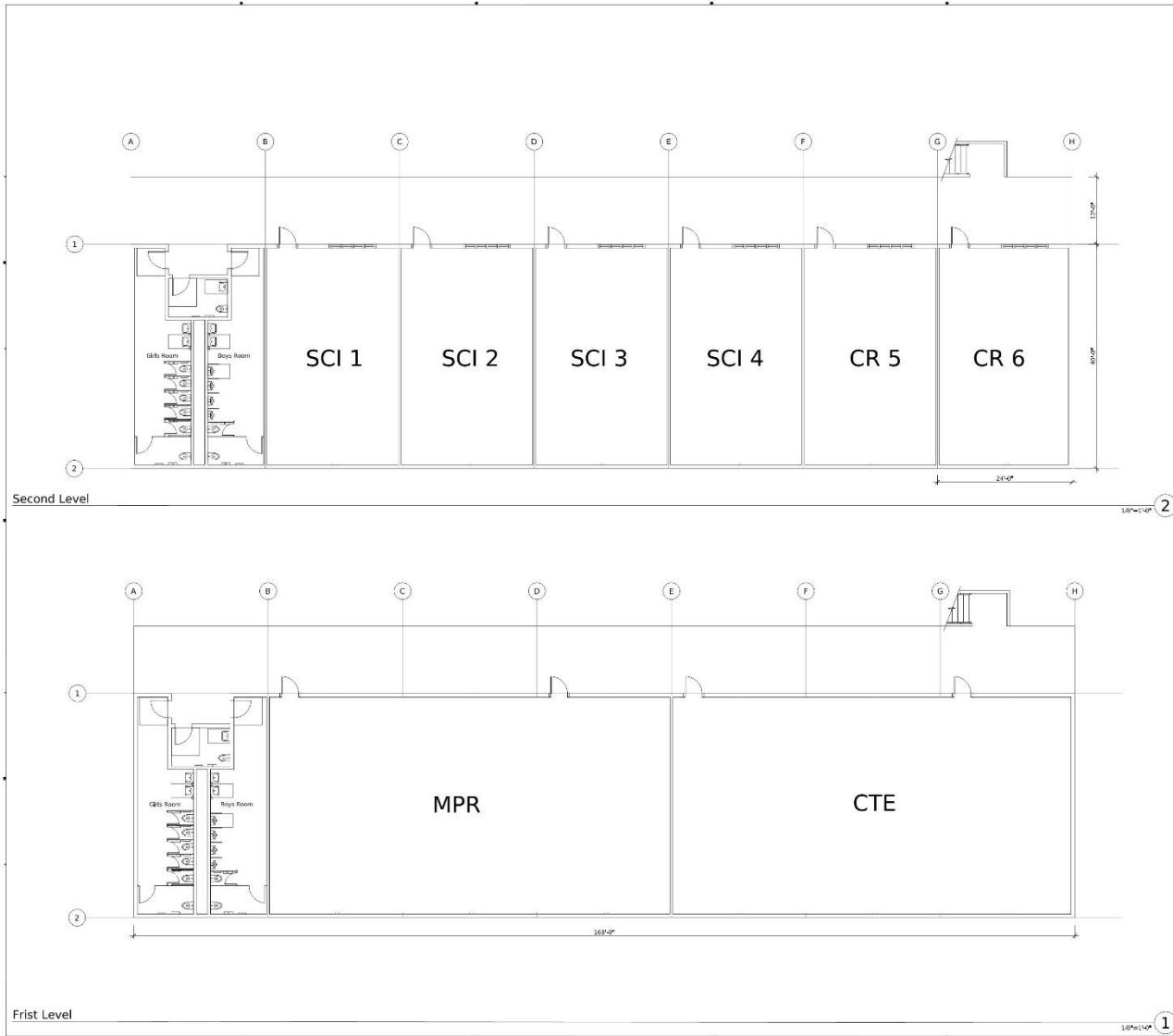
Roof Replacement

REVISED	DATE
DSA Submittal	3/10/2019
HS Set	4/8/2019
DSA Backcheck	9/5/2019



Gymnasium Roof Plan
A2.0

New Building Conceptual Program



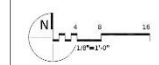
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Santa Cruz City Schools
 133 Placer Street
 Suite 100
 Santa Cruz, CA 95069

Mission Hill Middle School
 425 King Street
 Santa Cruz, CA 95060

New Classroom Building
Mission Hill Middle School

REVISION _____ DATE _____



Floor Plan
A2.0

BA-19-0067

Current Multi-phase master plan



1 Landscape Shelter Access	\$1,195,615
2 Roofing Phase 1: Main	\$1,638,302
3 Exterior Site Security (Fencing)	\$100,000
4 Gym Phase 1: Locker Rooms	\$153,861
5 Mod Phase 1: Partitions	\$250,000
6 Roofing Phase 2: Gym + Main	\$2,131,223
7 Mod Ph 2: HVAC, Windows, Paint	\$1,867,393
Replace existing Playfields	TBD
8 New Modular CR Building	\$6,226,898
9 Mod Ph 3: Main Building	\$2,000,000
10 Gym Phase 2	\$1,250,000
11 Portable Removal	
Multi Project Overhead	\$952,206
Card access security system	\$165,000
Data Infrastructure Improvements	\$375,000
Total	\$18,305,498

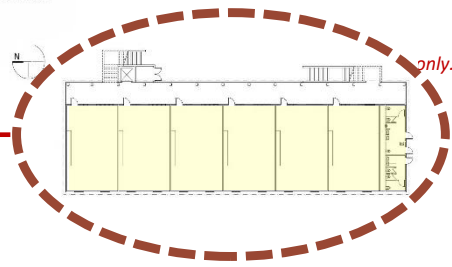
Funding Dependent | Future (1.11M +/- of State funds)

Notes from previous meeting

- Gymnasium Phase 2 – Reconfiguration and improvements
- Site Improvements

END

Site Project Update



Current Budgets

Project	Allocation	Completion
Multi Project Overhead	\$917,658	
Roofing HVAC ph1 (Main)	\$1,538,613	Summer 2018
Landscape Sign Shelter	\$1,089,956	Winter 2018
Card Access Security System	\$165,000	Summer 2019
Data Infrastructure	\$375,000	Summer 2019
Site security fencing	\$100,000	Summer 2019
Roofing Phase 2 (gym +)	\$871,965	Summer 2019
Mod Ph1: Main Paint HVAC Windows	\$2,000,000	Summer 2019
New Classroom Building	\$6,114,898	Winter 2020
Mod Ph 2: Main	\$2,500,000	Winter 2021
Gymnasium Mod	\$2,500,000	Winter 2021

Total \$18,173,090

collaboration | advocacy | research | education | sustainability

Summary of December 2018 board presentation

Master Plan - Revised

Current Multi-phase master plan



Funding Dependent | Future

- Gymnasium Phase 2 – Reconfiguration and improvements
- Site Improvements

Resource \$18,353,153

1 Landscape Shelter Access	\$1,089,956
2 Roofing Phase 1: Main	\$1,528,613
3 Exterior Site Security (Fencing)	\$100,000
4 Gym Phase 1: Locker Rooms	\$152,245
5 Mod Phase 1: Partitions	\$243,604
6 Roofing Phase 2: Gym + Main	\$871,965
7 Mod Ph 2: HVAC, Windows, Paint	\$1,500,000
8 New Modular CR Building	\$6,114,898
9 Mod Ph 3: Main Building	\$2,500,000
10 Gym Phase 2	\$2,500,000
11 Portable Removal	\$100,000
Multi Project Overhead	\$917,658
Card access security system	\$165,000
Data Infrastructure Improvements	\$375,000
Temporary Portable (if needed)	\$75,000
Total	\$18,143,939

