# LAS POSITAS COLLEGE STEAM BUILDING PROJECT

December 7, 2023

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# EXISTING SITE



AMPHITHEATER

NEW BUILDING

B1800

Site Boundary

Building Setback

0   25   50   100

N
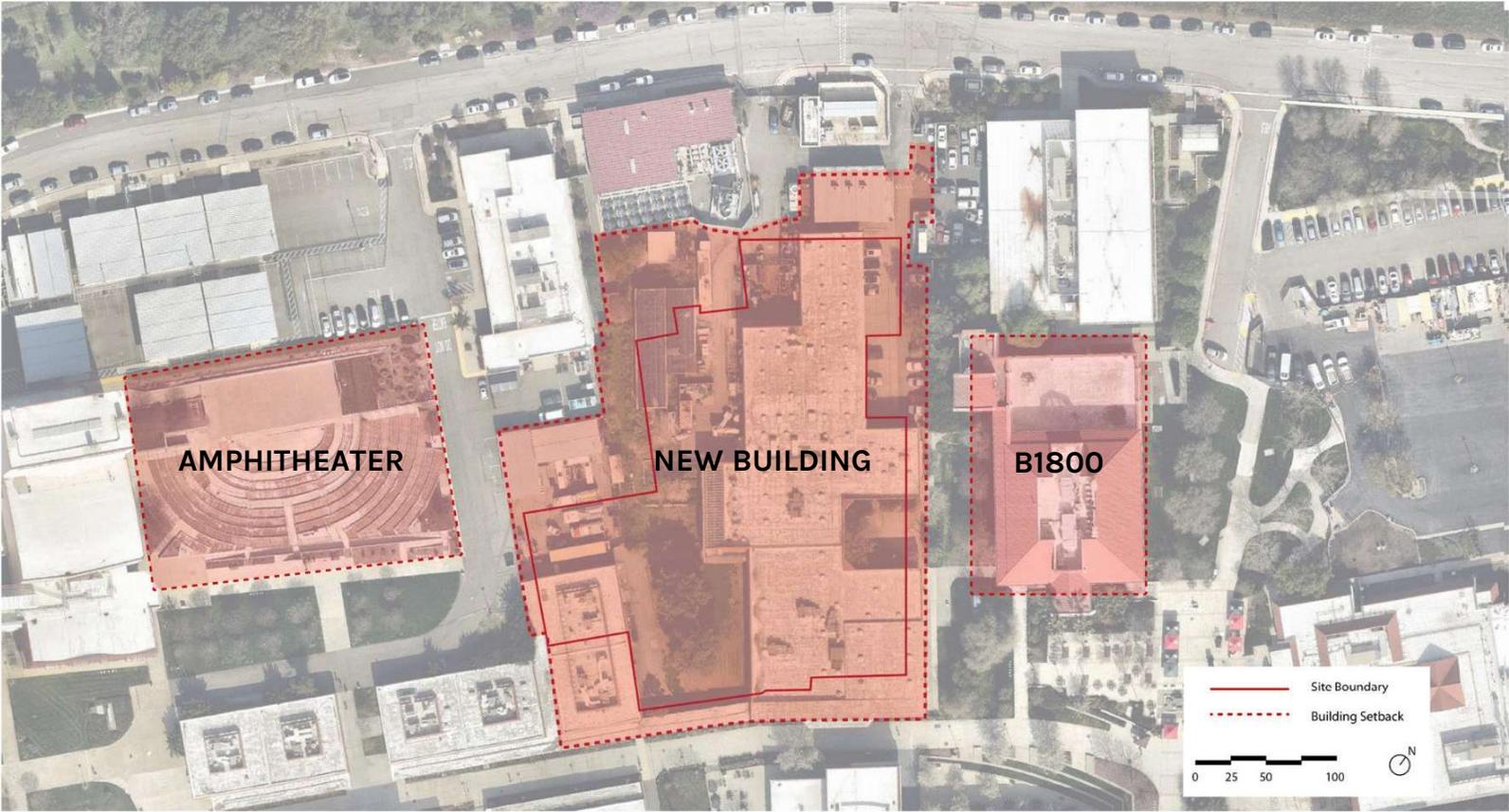
# AMPHITHEATER AND BUILDING 1800
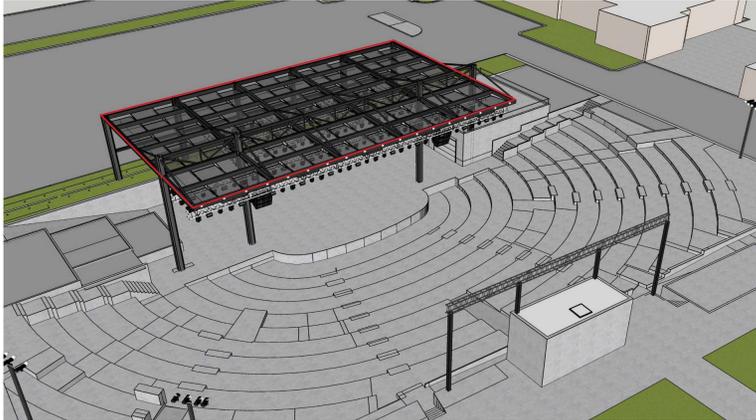


ROOF SHADE OPTION - PERSPECTIVE VIEW
METAL PANEL INFILL

LAS POSITAS AMPHITHEATER| LIVERMORE, CA
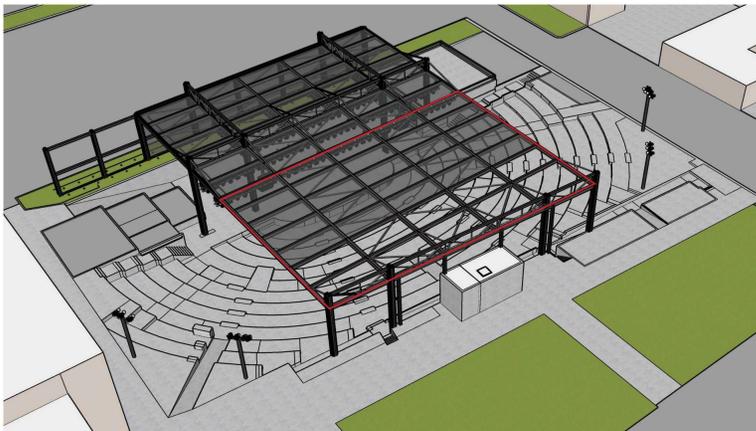


AUDIENCE AREA SHADE STRUCTURE -
PERSPECTIVE VIEW

LAS POSITAS AMPHITHEATER| LIVERMORE, CA



LAS POSITAS COLLEGE
FIRST FLOOR PLAN SCIENCE CENTER BUILDING 1800



LAS POSITAS COLLEGE
SECOND FLOOR PLAN SCIENCE CENTER BUILDING 1800

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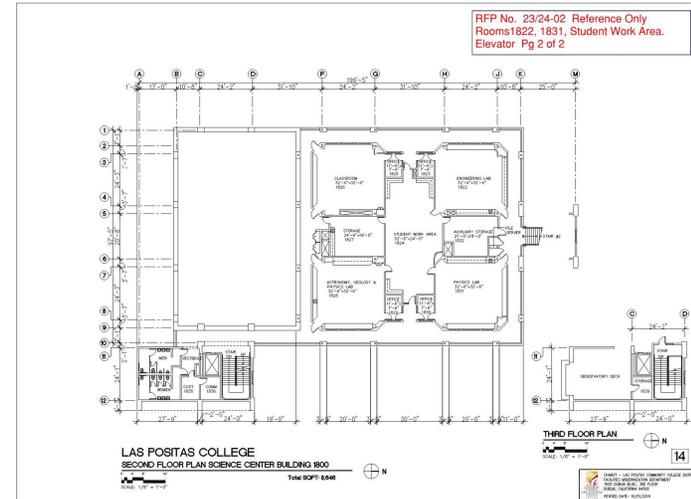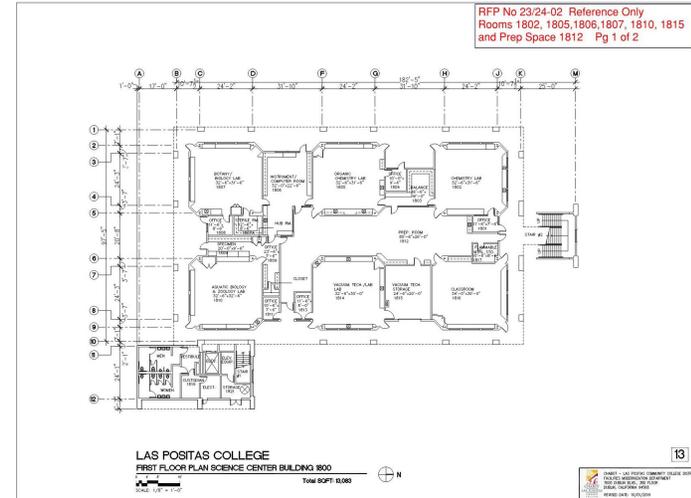
# NEW STEAM BUILDING (NSB) SITE CONCEPT STRATEGIES

CANOPY

TERRACES

CROSSING

Las Positas College STEAM Building Project

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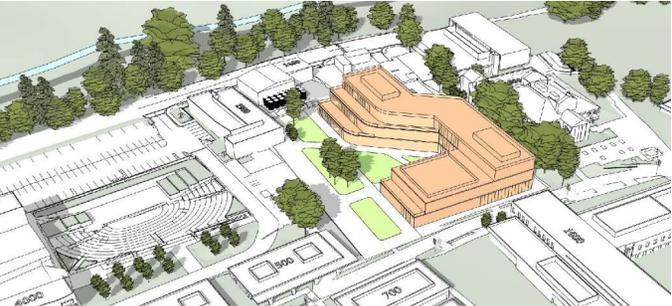
# SITE CONCEPT STRATEGY #1: CANOPY



Inspiration & Concept



LEVEL 1



View from north

View from south

View from southeast

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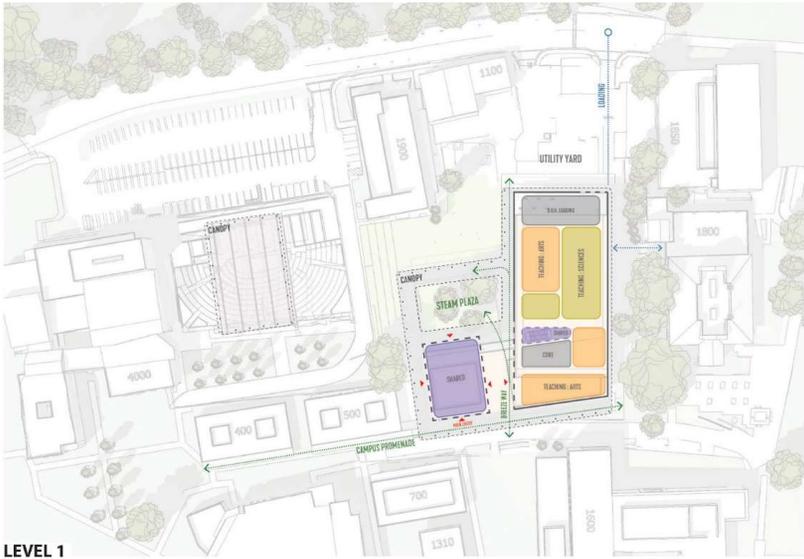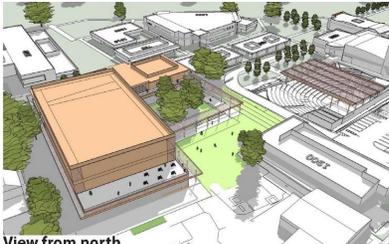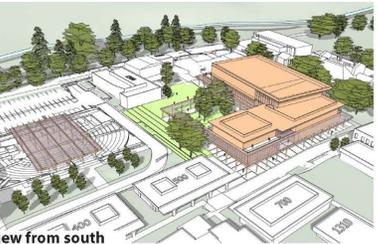
# SITE CONCEPT STRATEGY #2: TERRACES



**Inspiration & Concept**



LEVEL 1



View from north

View from south

View from southeast

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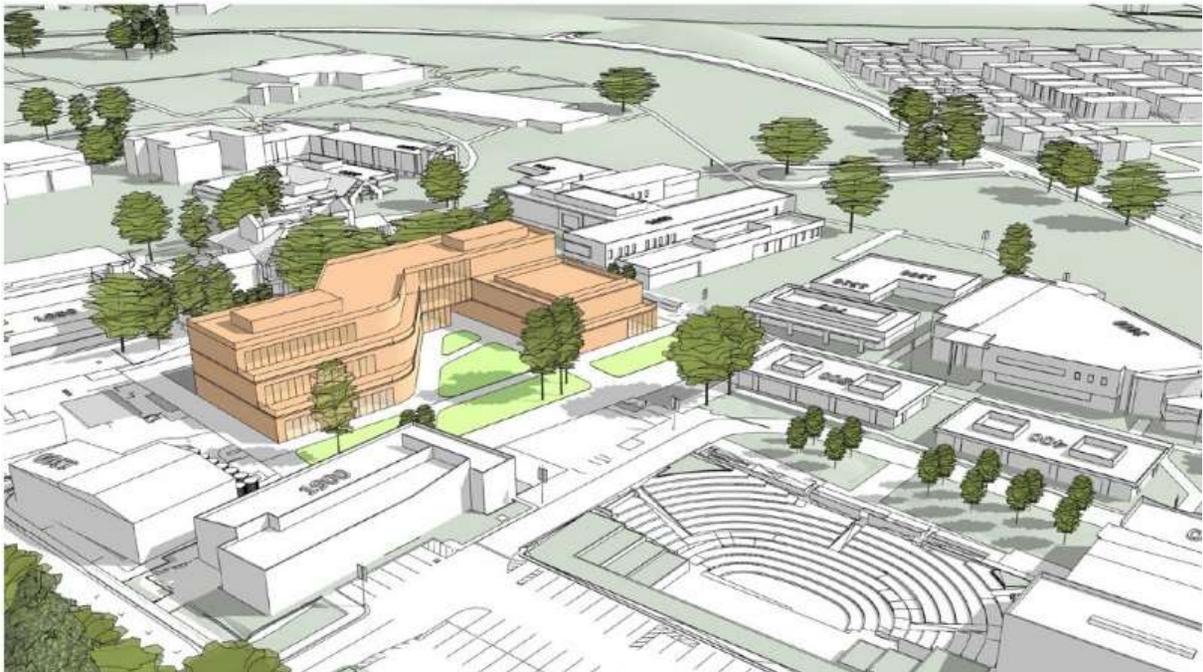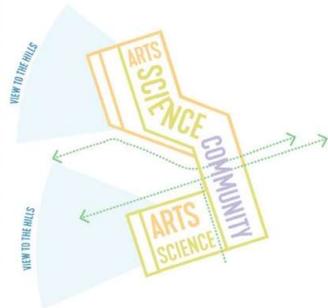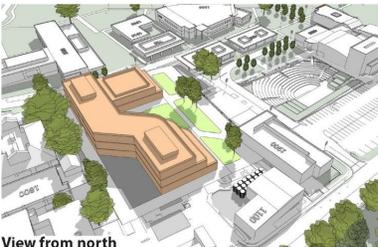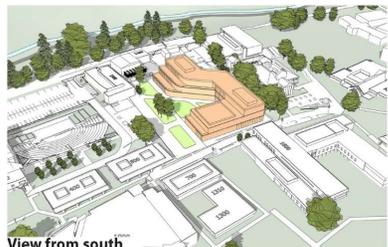
# SITE CONCEPT STRATEGY #3: CROSSING
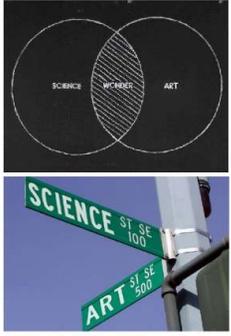


**Inspiration & Concept**
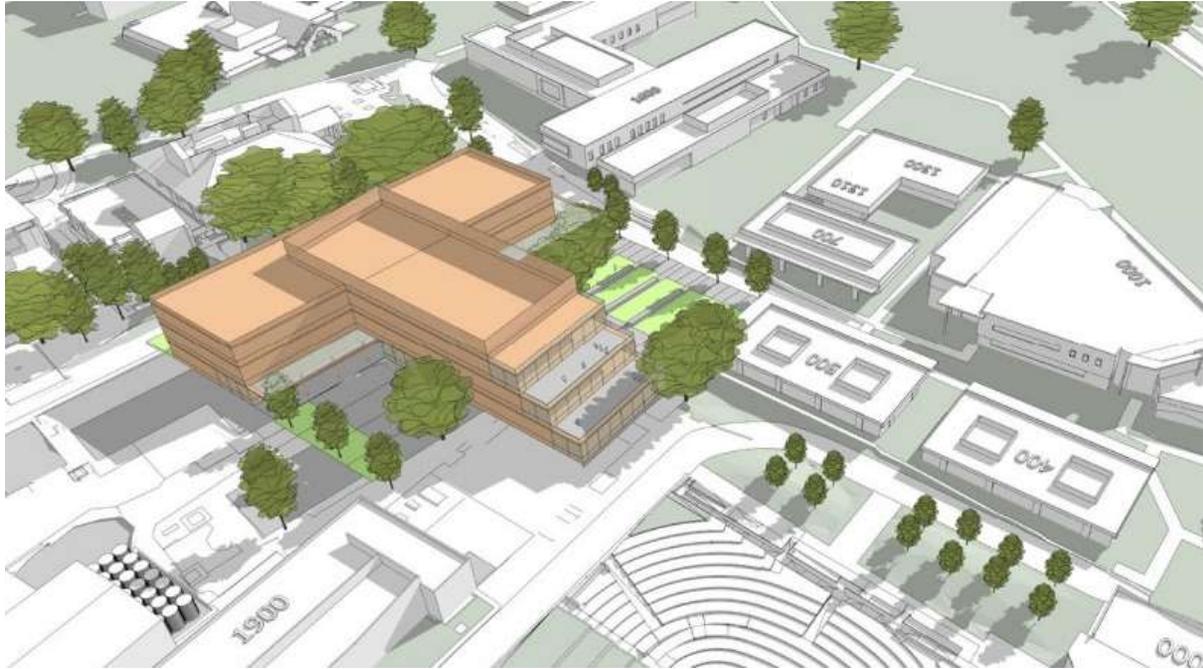


LEVEL 1



View from south

View from southeast

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# NSB SPACE PROGRAM SUMMARY

**LAS POSITAS COLLEGE STEAM BUILDING**

| Facility Summary | Staff | Grossing | Total NASF | RFP NASF | RFP GSF | Total GSF |
|---|---|---|---|---|---|---|
| SCIENCES | 6 | 65% | 28,285 | 29,550 | | 43,515 |
| ARTS | 0 | 65% | 18,316 | 17,750 | | 28,178 |
| SHARED SPACES | 45 | 70% | 11,689 | 11,300 | | 16,699 |
| | | | | | | |
| **Facility TOTAL** | **51** | **66%** | **58,290** | 58,600 | 87,314 | **88,392** |

| SCIENCES | Staff | Total NSF | Total NASF | Original NASF | Total GSF |
|---|---|---|---|---|---|
| BIOSCIENCES | 0 | 15,226 | 15,226 | 15,600 | |
| CHEMISTRY | 6 | 13,059 | 13,059 | 13,950 | |
| Sub-total NSF and NASF | 6 | 28285 | 28285 | 29,550 | |
| Grossing at | | 65% | | | 43,515 |

| ARTS | Staff | Total NSF | Total NASF | Original NASF | Total GSF |
|---|---|---|---|---|---|
| STUDIO ARTS / CERAMICS | 0 | 6,511 | 6,511 | 6,500 | |
| PHOTO - VIDEO - GRAPHIC DESIGN | 0 | 7,336 | 7,336 | 7,000 | |
| JOURNALISM / MEDIA STUDIES (JAMS) | 0 | 1,655 | 1,655 | 1,500 | |
| ART GALLERY | 0 | 993 | 993 | 1,000 | |
| INTERIOR DESIGN | 0 | 1,821 | 1,821 | 1,750 | |
| Sub-total NSF and NASF | 0 | 18,316 | 18,316 | 17,750 | |
| Grossing at | | 65% | | | 28,178 |

| SHARED SPACES | Staff | Total NSF | Total NASF | Original NASF | Total GSF |
|---|---|---|---|---|---|
| SHARED - CLASSROOMS | 0 | 6,622 | 6,622 | 7,500 | |
| SHARED - FACULTY SPACE | 45 | 3,742 | 3,742 | 3,800 | |
| SHARED - SCIENCE & ARTS SUPPORT SPACES | 0 | 1,325 | 1,325 | | |
| Sub-total NSF and NASF | 45 | 11,689 | 11,689 | 11,300 | |
| Grossing at | | 70% | | | 16,699 |

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# NSB PROGRAM: BIOSCIENCE EXAMPLE



PPE STORAGE

(2) WHITE BOARDS WITH 3-STACK VERTICAL SLIDERS

6FT A2 BSC - NON VENTED, UV, POWER

INSTRUCTOR STATION/ DEMONSTRATION BENCH - GAS, VACUUM, DI, SINK, POWER, DATA, TABLE & CEILING DOCUMENT CAMERAS, 2 PROJECTING MICROSCOPES, RACK SPACE

MICROBIOLOGY LAB
1,323 SF

ESEW & FLOOR DRAIN

PROJECTOR SCREEN

31' - 6"

STUDENT BENCH - GAS, VACUUM, DI, CUPSINK, MICROSCOPE STORAGE HOOKS AT KNEESPACE FOR STUDENT BACKPACK

PPE STORAGE

POINT EXHAUST FOR FLAMMABLE WASTE

NOTES:
-TYPICAL FOR ALL LAB - ELECTRICAL RACEWAY (OUTLET & USB PORT) AROUND PERIMETER
-SHELVING SOLUTION FOR WATER BOTTLES OUTSIDE, AT ENTRANCE TO LAB

GUIDE PLATE
BIOSCIENCE
MICROBIOLOGY LAB

Scale: 1/8" = 1'-0"

# NSB PROGRAM: CHEMISTRY EXAMPLE



POINT EXHAUST FOR WASTE

ROTOVAP WITH POINT EXHAUST

ESEW & FLOOR DRAIN

INSTRUCTOR STATION - POWER, DATA, CEILING DOCUMENT CAMERA, RACK SPACE

(2) WHITE BOARDS WITH 3-STACK VERTICAL SLIDERS

PROJECTOR SCREEN

DEMONSTRATION BENCH - SINK, WATER, GAS, AIR, VACUUM, POINT EXHAUST

STUDENT BENCH - POINT EXHAUST, AIR, GAS, VACUUM, POWER (2PLUGS/STUDENT) DATA, CUPSINK, CW . HOOKS AT KNEESPACE FOR STUDENT BACKPACK

LAB SINK - HW/CW, DI, EW

6FT FUMEHOOD - POWER, GAS, VACUUM

POINT EXHAUST FOR WASTE

ROTOVAP WITH POINT EXHAUST

42' - 0"

31' - 6"

ORGANIC CHEM LAB

1,323 SF

GUIDE PLATE
CHEMISTRY
ORGANIC CHEM LAB

Scale: 1/8" = 1'-0"

NOTES:
-(67) 18" DRAWERS FOR STUDENT LOCKERS
    3 DRAWERS / CABINET - 201 LOCKERS

-TYPICAL FOR ALL LAB - ELECTRICAL RACEWAY (OUTLET & USB PORT) AROUND PERIMETER
-SHELVING SOLUTION FOR WATER BOTTLES OUTSIDE, AT ENTRANCE TO LAB

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# NSB PROGRAM: ARTS EXAMPLE



47' - 3"

31' - 6"

INSTRUCTOR STATION WITH OWL CAMERA ON TRIPOD

STORAGE

WHITE BOARD. TYP

PROJECTOR SCREEN

(30) STUDENT STATIONS

(32) 24X36X6 CANVAS SLOTS

LOCKER ALCOVE
STORE 18"X24" PAPER

DRAWING STUDIO
1,488 SF

NOTES:
-OVERHEAD SPECIALTY LIGHTING NEEDED, VARIOUS LIGHT CONTROLS.
COORDINATE WITH AUDIO SYSTEM
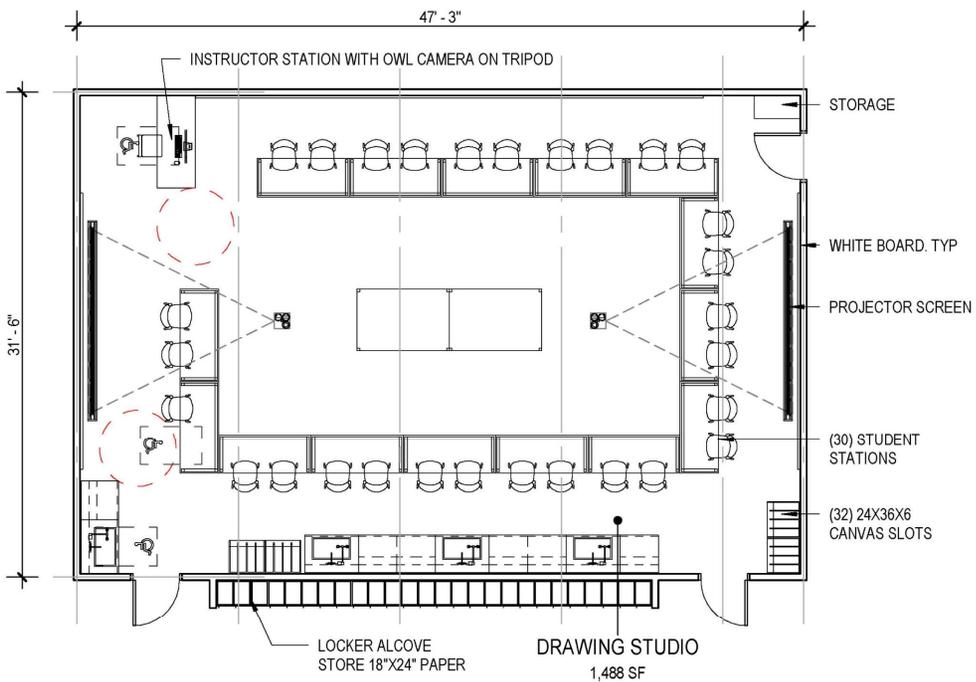
GUIDE PLATE
ARTS
DRAWING STUDIO

Scale:   1/8" = 1'-0"

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