



# **PERU ELEMENTARY SCHOOL DISTRICT 124**

Peru, LaSalle County, Illinois

## **Addition and Renovation Northview Elementary School Design Development Manual**

Healy | Bender Project No. 10-3113-145

**Tab 4 & Tab 5**

**April 18, 2014**



## Music Classroom (Existing)

|        | Unit Area (NSF) | Qty | Total Area (NSF) |
|--------|-----------------|-----|------------------|
| Actual | 1,188           | 1   | 1,188            |

### Design Occupancy

1 Instructor + 28 Students

Typical Room Dimensions (Feet)

**27.8 x 42.7**

### Built-In Casework

- 1 Plas. lam. countertop (30"Ht) w/ 4" plas. lam. backsplash, on open plas. lam. base cabinets (18"D) w/ adjustable shelves
- 1 Plas. lam. countertop (34"Ht) w/ 4" plas. lam. backsplash, on lockable plas. lam. base cabinets (24"D) w/ adjustable shelves
- 1 48"x24"x84" Lockable plas. lam. teacher wardrobe unit w/ hooks & adjustable shelves
- 1 48"x24"x84" Lockable plas. lam. teacher storage unit w/ adjustable shelves
- 3 42"x24"x78" Plas. lam. Student storage unit w/ 12 equal cubbies

### Visual Display

- 12 Markerboard (in linear feet) - Main Teaching Space
- 16 Markerboard (in linear feet) - Accessory Teaching Space
- 4 Tackboard (in linear feet) - Main Teaching Space
- 4 Tackboard (in linear feet) - Main Teaching Space
- 4 Tackboard (in linear feet) - Accessory Teaching Space
- 4 12" Tackboard (in linear feet) - Main Teaching Space
- 8 12" Tackboard (in linear feet) - Main Teaching Space
- 16 12" Tackboard (in linear feet) - Accessory Teaching Space
- 4 12" Tackboard (in linear feet) - Accessory Teaching Space

### Furniture and Equipment (Not In Contract)

- Student desks or tables with chairs
- Teacher desk and chair
- 1 2-drawer teacher file cabinets
- Pencil Sharpener

### Technology

- 1 Existing Wall Mounted 65"Wx49"H Smartboard at main teaching space (NIC)
- 1 Power, Data and Auxiliary Connections to Teacher Station
- 1 Telephone (NIC) - Outlet Provided
- New sound system to be (NIC) Provide rough-in only.
- Wall mounted projector (NIC) - provide projector outlet at teaching wall.

### Plumbing, Mechanical and Electrical Systems

- Electrical outlets - Existing
- Ceiling mounted motion sensors for lighting control
- Unit ventilator at perimeter wall - built-in to new casework

### Lighting

- Access to Natural Daylight (Windows)
- Existing fluorescent Lighting (Surface mounted)

### Other Considerations

- Existing storage closet to remain (8SF)
- Existing storage closet to remain (24SF)

### Room Finishes

|                     |                    |
|---------------------|--------------------|
| Ceiling             | Existing to Remain |
| Walls               | Existing to Remain |
| Casework            | Existing to Remain |
| Horizontal Surfaces | Existing to Remain |
| Floor               | Carpet Tile        |
| Floor Base          | Existing to Remain |

### Notes:

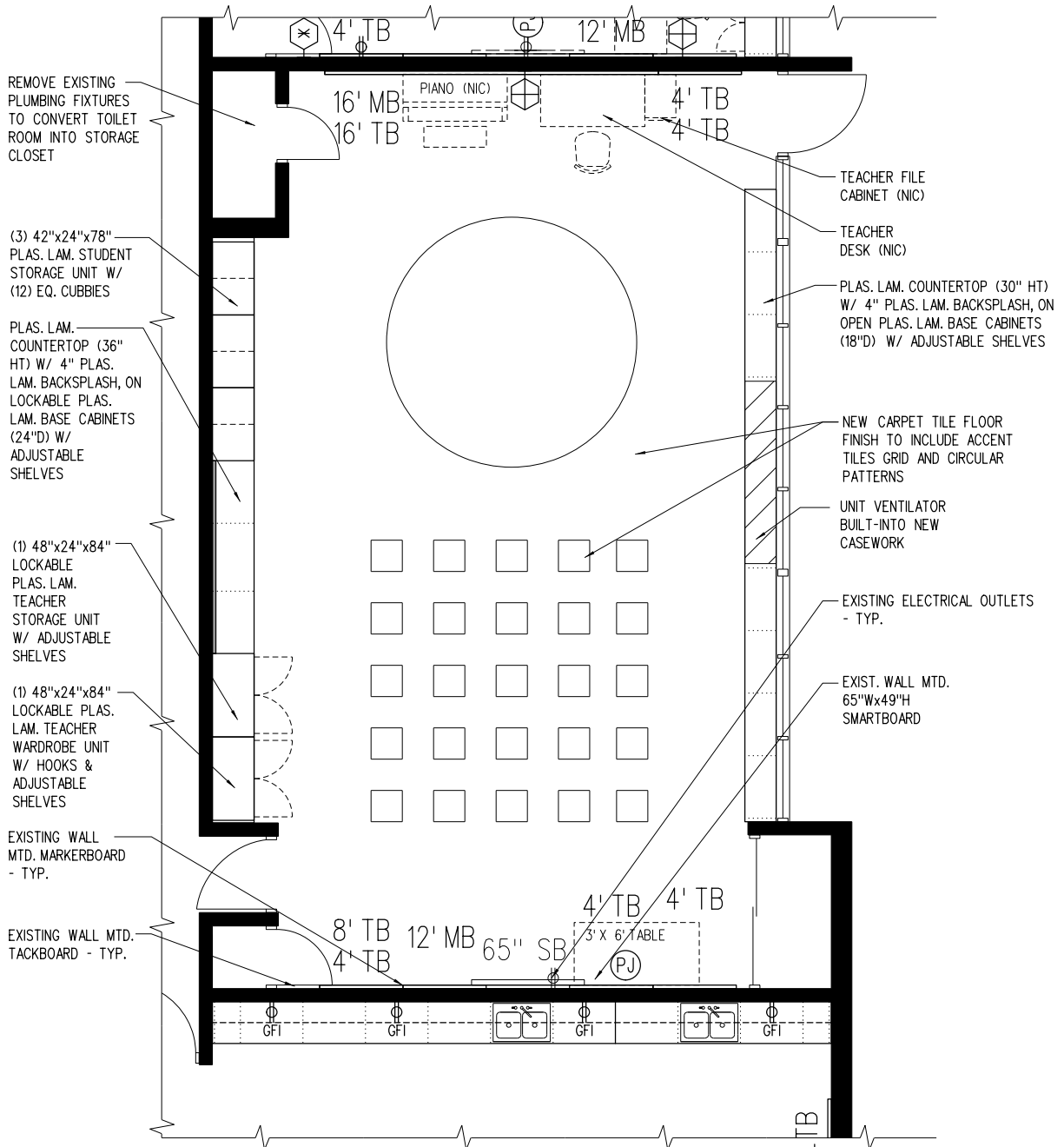
Remove existing plumbing fixtures in classroom toilet room and prepare room for conversion to additional storage closet (22 SF).

Dedicated Fine Arts Storage also located across the corridor.

New carpet tile floor finish to include accent tiles as grid and circular patterns.

**4-1.00**

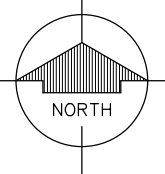
# Music Classroom (Existing)



FLOOR PLAN

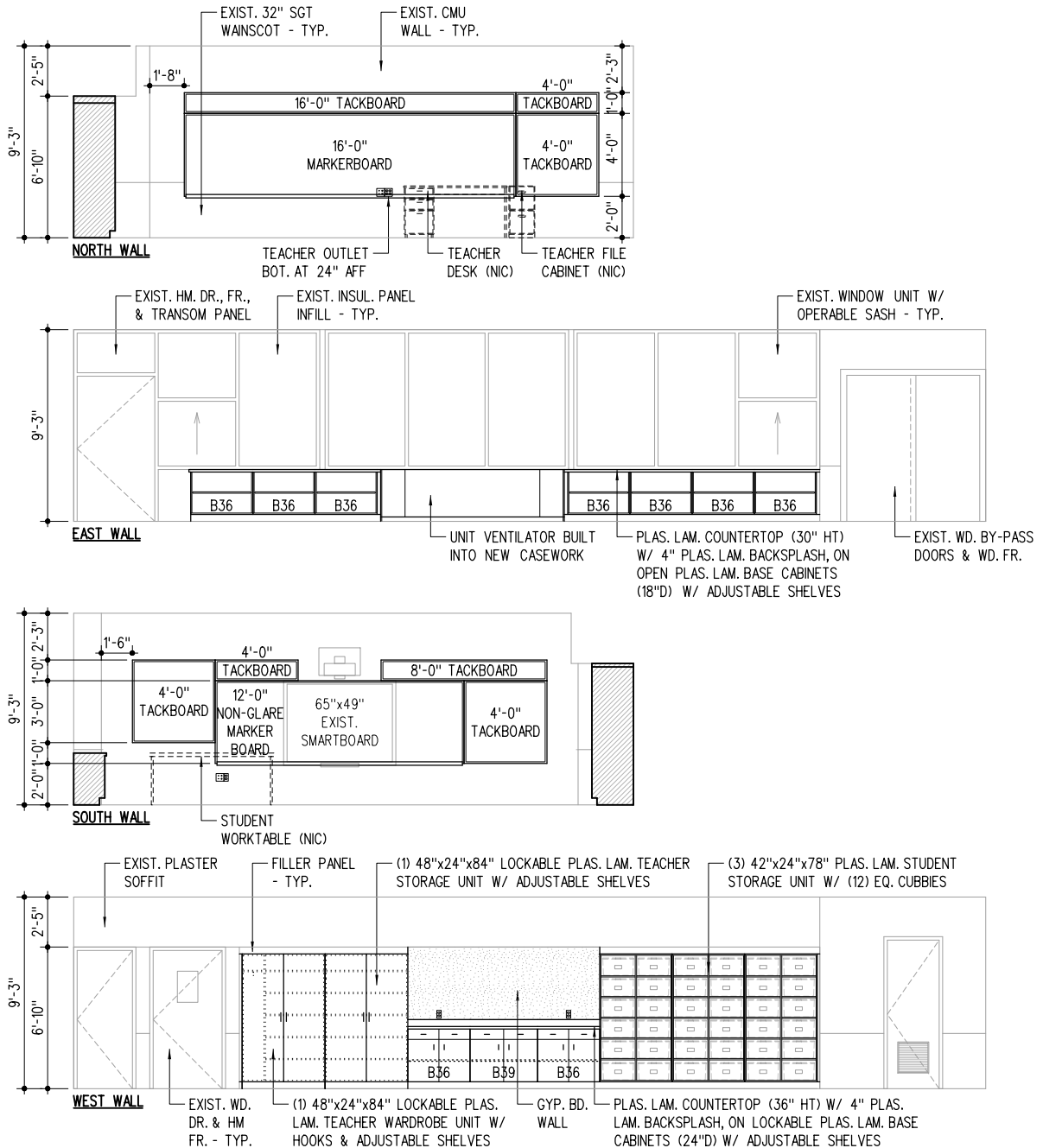
1/8" = 1'-0"

0 2 4 8 16 24



4-1.01

# Music Classroom (Existing)

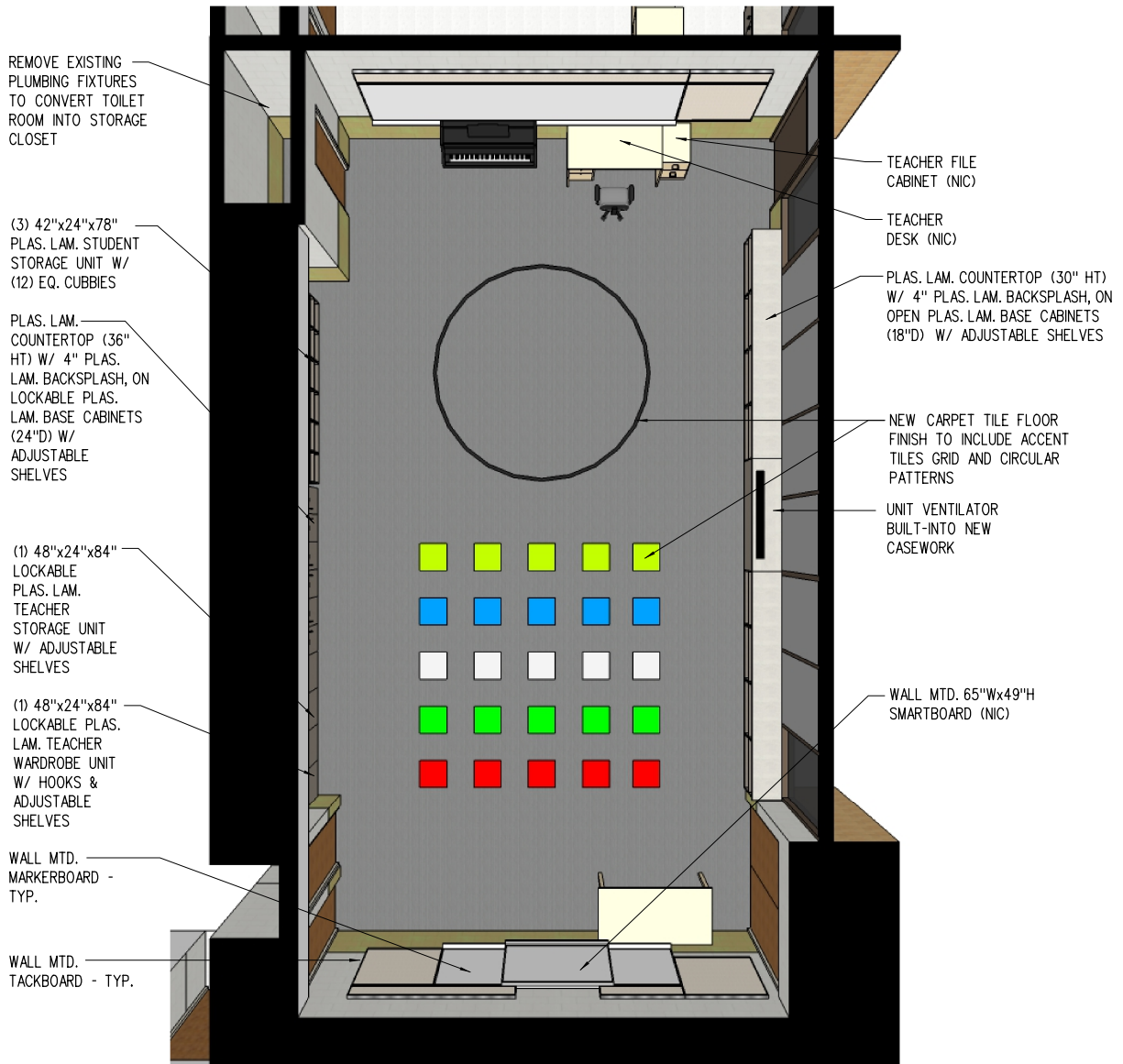


## INTERIOR ELEVATIONS



4-1.02

## Music Classroom (Existing)



PERSPECTIVE

NS

4-1.03

## Art Classroom (Existing)

|        | Unit Area (NSF) | Qty | Total Area (NSF) |
|--------|-----------------|-----|------------------|
| Actual | 1,214           | 1   | 1,214            |

### Design Occupancy

1 Instructor + 32 Students

Typical Room Dimensions (Feet)

**27.0 x 45.0**

### Built-In Casework

- 2 Plas. lam. countertop (42"Ht) w/ 4" plas. lam. backsplash, on exist. plas. lam. base cabinets (24"D) relocated from Washington School art room. Provide new finished end panels.
- 1 Plas. lam. countertop (36"Ht) w/ 4" plas. lam. backsplash, on lockable plas. lam. base cabinets (24"D) w/ lockable plas. lam. wall cabinets (12"D), ss sink, & adjustable shelves
- 1 Plas. lam. countertop (34"Ht) w/ 6" plas. lam. backsplash, on lockable plas. lam. base cabinets (24"D) w/ lockable plas. lam. wall cabinets (12"D), ss sink, & adjustable shelves
- 1 Lockable plas. lam. wall cabinets (12"D) w/ adjustable shelves

### Visual Display

- 12 Markerboard (in linear feet) - Main Teaching Space
- 16 Markerboard (in linear feet) - Accessory Teaching Space
- 4 Tackboard (in linear feet) - Main Teaching Space
- 4 Tackboard (in linear feet) - Main Teaching Space
- 4 Tackboard (in linear feet) - Accessory Teaching Space
- 10 Tackboard (in linear feet) - Accessory Teaching Space
- 10 Tackboard (in linear feet) - Accessory Teaching Space
- 4 12" Tackboard (in linear feet) - Main Teaching Space
- 8 12" Tackboard (in linear feet) - Main Teaching Space
- 16 12" Tackboard (in linear feet) - Accessory Teaching Space
- 4 12" Tackboard (in linear feet) - Accessory Teaching Space

### Furniture and Equipment (Not In Contract)

- Student tables with chairs
- Teacher desk and chair
- 1 2-drawer teacher file cabinets
- 1 Student computer table with 3 chairs
- Pencil Sharpener

### Technology

- 1 Existing wall mounted 65"Wx49"H Smartboard at main teaching space (NIC)
- 1 Power, Data and Auxiliary Connections to Teacher Station
- 1 Telephone (NIC) - Outlet Provided
- 1 Student Outlet at computer table
- Wall mounted projector (NIC) - provide projector outlet at teaching wall.

### Plumbing, Mechanical and Electrical Systems

- Electrical outlets - Existing
- Ceiling mounted motion sensors for lighting control
- 1 Utility sink
- 2 Double bowl SS art sinks

### Lighting

- Access to Natural Daylight (Windows)
- Existing fluorescent Lighting (Surface mounted)

### Other Considerations

### Room Finishes

|                     |                        |
|---------------------|------------------------|
| Ceiling             | Existing, New to match |
| Walls               | Existing , Gyp. Board  |
| Casework            | Existing & Plas. Lam.  |
| Horizontal Surfaces | Plastic Laminate       |
| Floor               | Existing to Remain     |
| Floor Base          | Existing to Remain     |

### Notes:

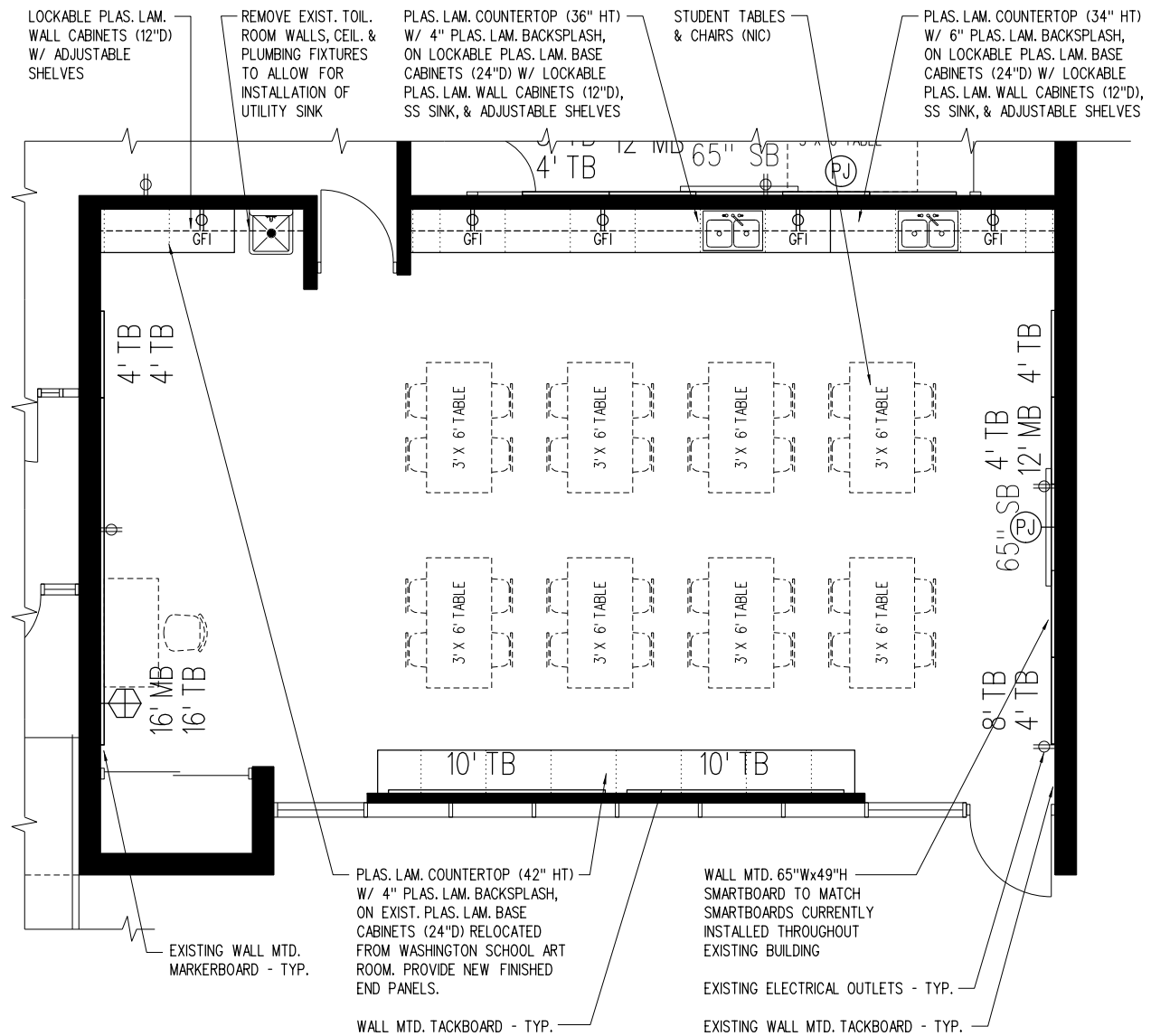
Remove existing walls and plumbing fixtures at classroom toilet room to allow for installation of utility sink. Existing exposed SGT to be concealed.

Modify existing ceiling to extend into alcove at former toilet room location

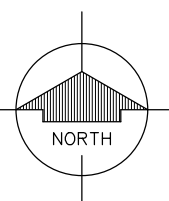
Dedicated Fine Arts Storage also located across the corridor.

**4-2.00**

## Art Classroom (Existing)

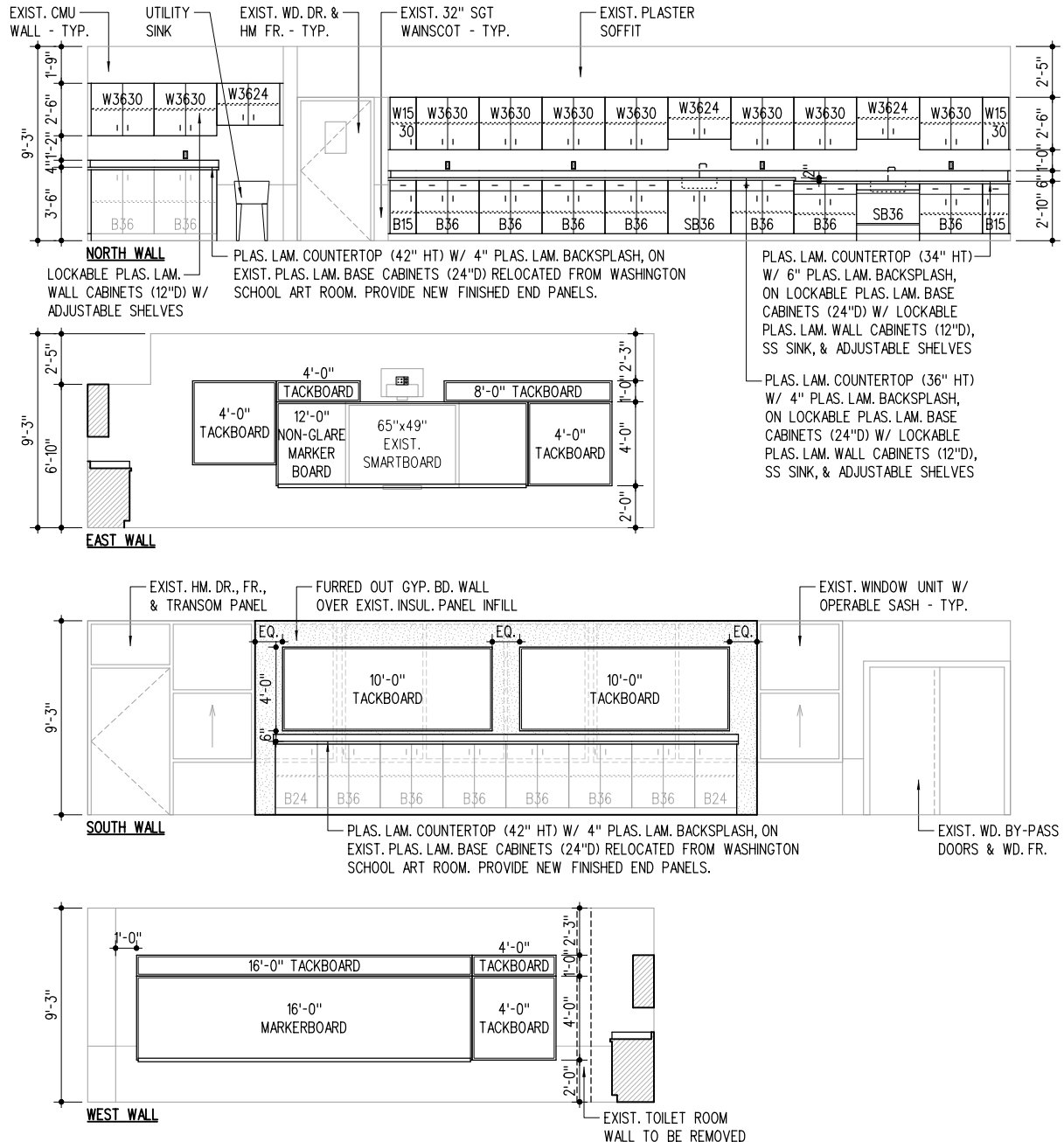


# FLOOR PLAN



## 4-2.01

# Art Classroom (Existing)



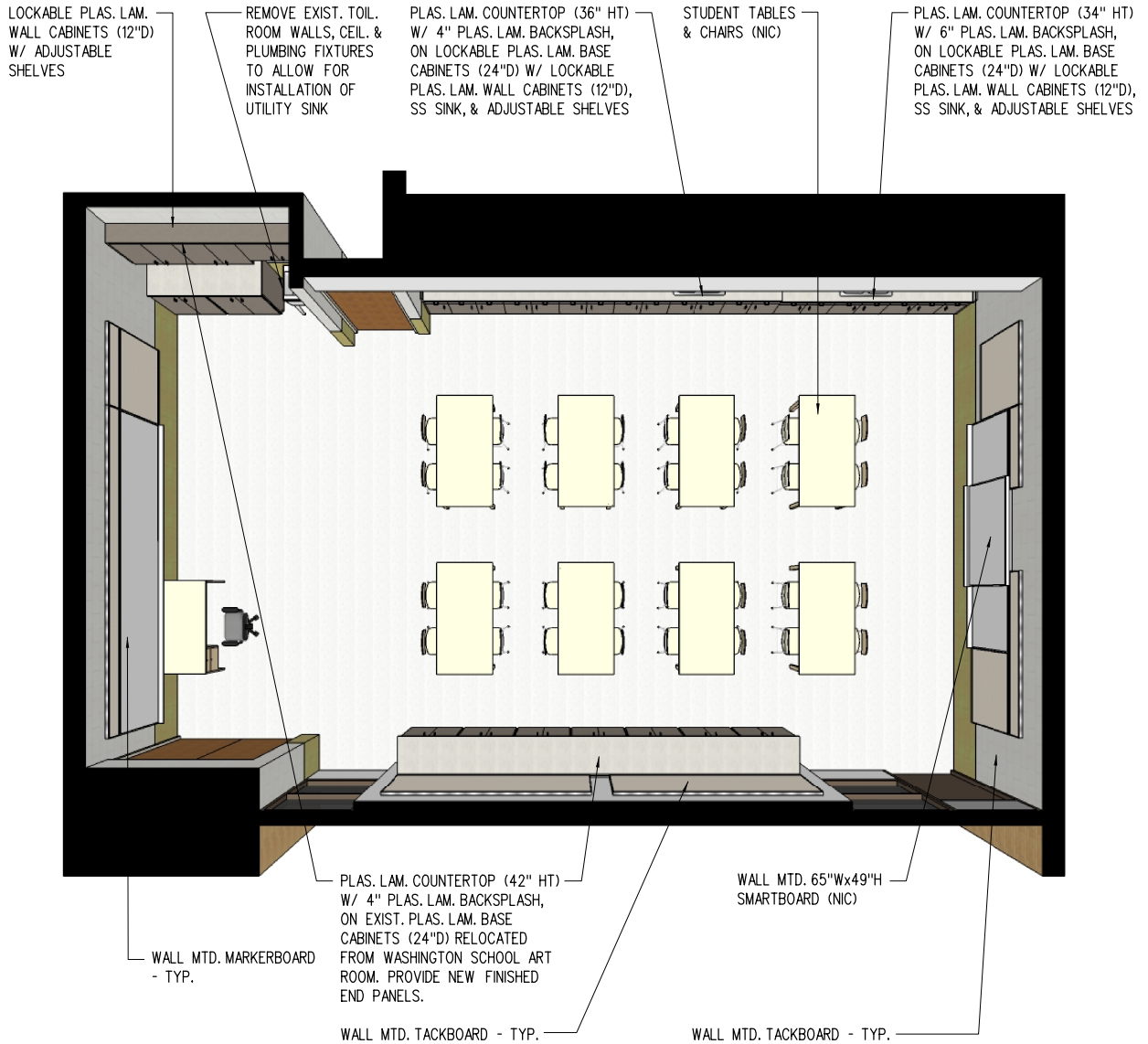
## INTERIOR ELEVATIONS

1/8" = 1'-0" 0 2 4 8 16 24

4-2.02



## Art Classroom (Existing)



PERSPECTIVE

NS

4-2.03

## Fine Arts Storage (Existing)

|        | Unit Area (NSF) | Qty | Total Area (NSF) |
|--------|-----------------|-----|------------------|
| Actual | 321             | 1   | 321              |

## Design Occupancy

Not Applicable

Typical Room Dimensions (Feet)

10.8 x 29.7

## Storage

Heavy-Duty Metal Shelving or Heavy-Duty Adjustable Wall-Mounted Shelving (NIC)

## Lighting

Fluorescent Lighting

## Room Finishes

|                     |                    |
|---------------------|--------------------|
| Ceiling             | Existing to Remain |
| Walls               | Existing / CMU     |
| Casework            | Existing to Remain |
| Horizontal Surfaces | Existing to Remain |
| Floor               | Existing to Remain |
| Floor Base          | Existing / Rubber  |

## Notes:

New CMU wall constructed to create corridor link between existing adjacent toilet room and Cafeteria / MPR.

4-3.00

**Kiln (Existing)**

|        | Unit Area (NSF) | Qty | Total Area (NSF) |
|--------|-----------------|-----|------------------|
| Actual | 84              | 1   | 84               |

**Design Occupancy**

Not Applicable

Typical Room Dimensions (Feet)

**10.5 x 8.0****Furniture and Equipment (Not In Contract)**

Kiln

4 36"X24" Drying Rack

1 48"X24" Drying Rack

**Room Finishes****Ceiling** 2'x2' AC.T.**Walls** Existing to Remain**Casework** N/A**Horizontal Surfaces** N/A**Floor** Existing to Remain**Floor Base** Existing to Remain**Plumbing, Mechanical and Electrical Systems**

Modify existing mechanical systems in existing location to accommodate new use as kiln room.

**Lighting**

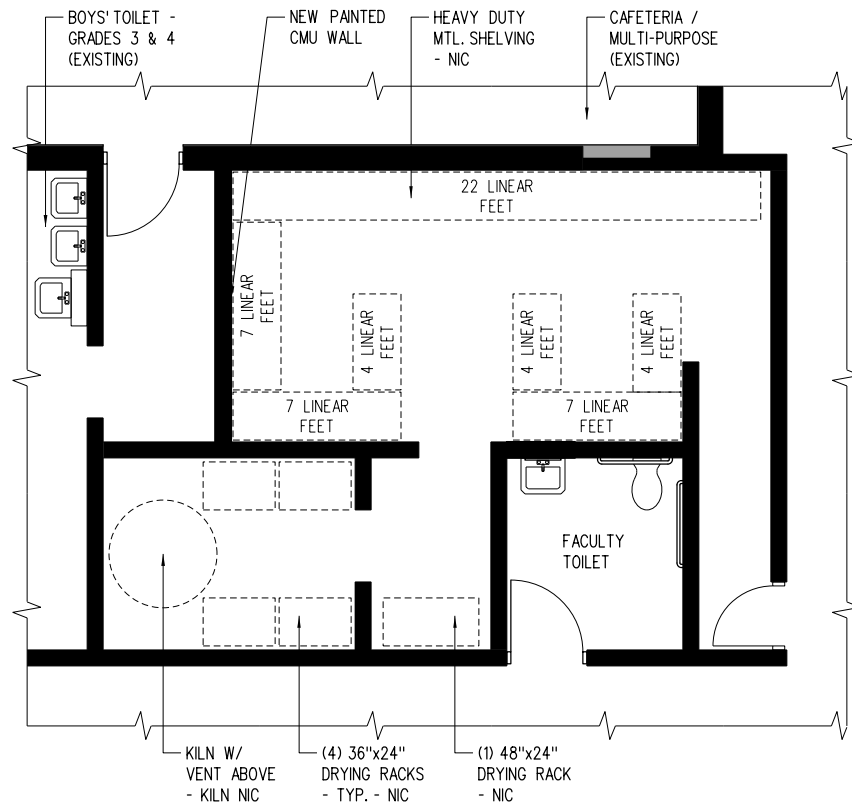
Fluorescent Lighting

**Other Considerations****Notes:**

New Kiln Room to be located in portion of existing locker room.

**4-3.00a**

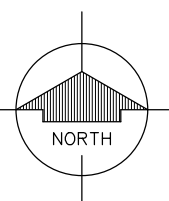
## Fine Arts Storage (Existing)



FLOOR PLAN

1/8" = 1'-0"

0 2 4 8 16 24



4-3.01

## Library (Existing)

|        | Unit Area (NSF) | Qty | Total Area (NSF) |
|--------|-----------------|-----|------------------|
| Actual | 1,735           | 1   | 1,735            |

## Design Occupancy

1 Instructor + 28 Students

Typical Room Dimensions (Feet)

36.0 x 48.2

## Built-In Casework

- 1 Plas. lam. countertop (36"Ht) w/ 4" plas. lam. backsplash, on exist. plas. lam. base cabinets (24"D) relocated from Washington School library. Provide new finished end and filler panels.
- 1 Exist. plas. lam. wall cabinets (12"D) relocated from Washington School library.
- 1 Exist. plas. lam. student computer workstations to be relocated from Washington School library and modified to fit.
- 1 Circulation desk relocated from Washington School library.

## Visual Display

- 16 Markerboard (in linear feet) - Existing
- 4 Tackboard (in linear feet) - Existing
- 4 Tackboard (in linear feet) - Existing
- 16 12" Tackboard (in linear feet) - Existing

## Furniture and Equipment (Not In Contract)

- Student tables with chairs for 24 students
- Relocated circulation desk from Washington School
- Mobile storage cabinets, book carts and bookshelves
- 63 Existing 36"Wx12"Dx48"H wood book shelves

## Technology

- 1 Wall mounted projector (NIC) - Power and Data Outlets Provided on wall
- 1 Data and Auxiliary Connection
- 1 8'-0" Wide Ceiling Mounted Motorized Projection Screen
- 1 Student Outlet at relocated student computer workstations

## Plumbing, Mechanical and Electrical Systems

Existing electrical outlets  
Analog Clock  
Ceiling Mounted Speaker

## Lighting

Access to natural light through new window openings at south wall  
Existing fluorescent Lighting  
Dual Level Light Switches

## Other Considerations

Existing storage closet (8 SF)  
Remove plumbing fixtures and convert existing toilet room into storage closet (22 SF)  
Provide power pole for power and data at relocated Circulation desk  
Fur out south wall to add insulation and gyp. board.

## Room Finishes

|                     |                        |
|---------------------|------------------------|
| Ceiling             | Existing to Remain     |
| Walls               | Painted Gyp. Bd. / CMU |
| Casework            | Existing to Remain     |
| Horizontal Surfaces | Existing to Remain     |
| Floor               | Carpet                 |
| Floor Base          | Rubber                 |

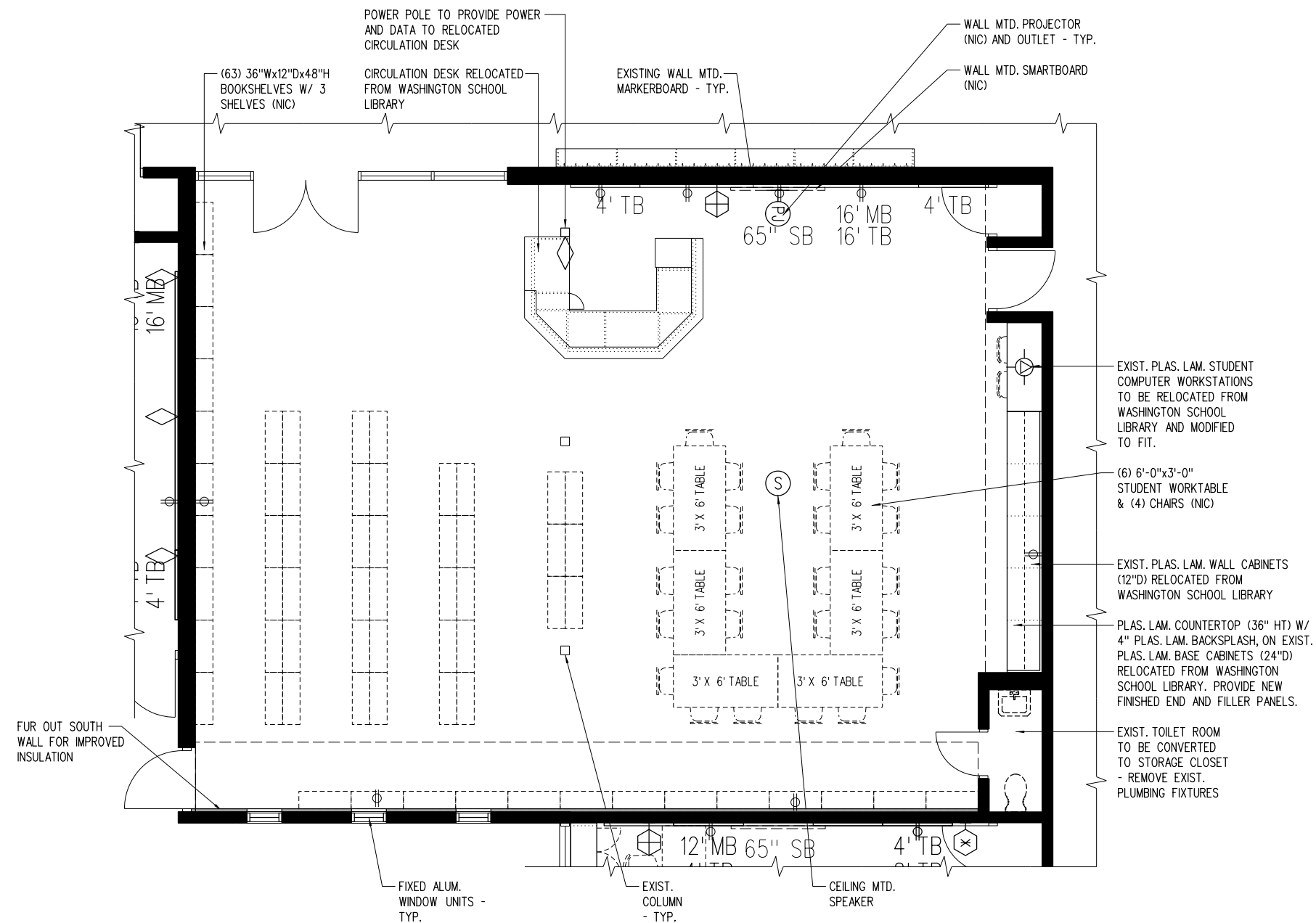
## Notes:

Confirm location of teacher outlet for wall mounted projector

Possibly replace existing exterior door with a new hollow metal door with insulated full glazing panel. Confirm with Owner

5-1.00

## Library (Existing)



LINEAR FT. OF SHELVING SHOWN

(3) SHELF BOOKCASE (36"W x 12"D x 48" H) = 8.63 LF  
QUANTITY OF (3) SHELF BOOKCASE = 63

TOTAL LF OF SHELVING = 543.69 LF

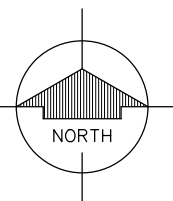
## VOLUME CAPACITY

VOLUME CAPACITY = (TOTAL LF  
OF SHELVING) x (VOL/LF)

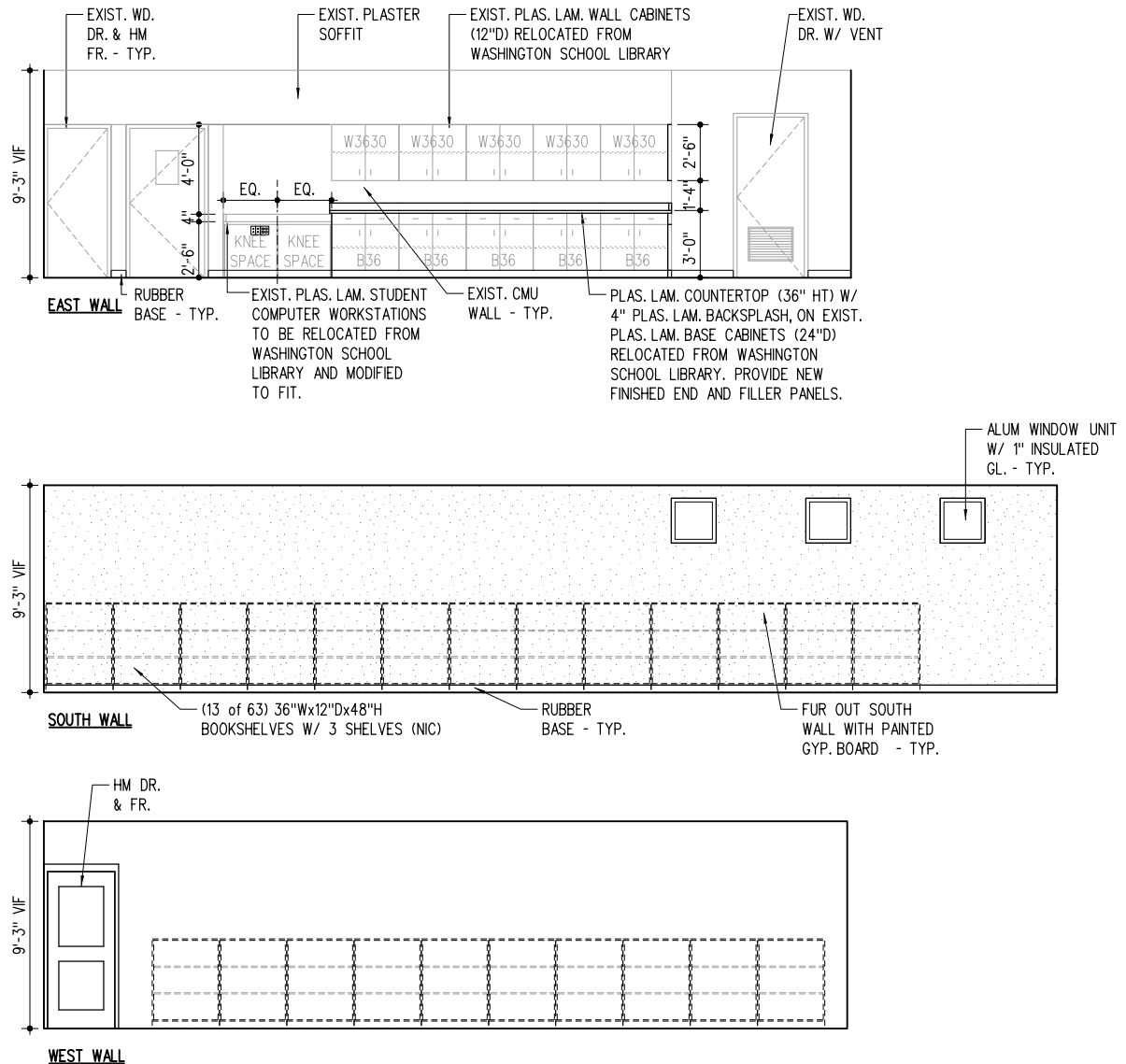
RANGE = 50 TO 70 VOL / 3 LF

TOTAL VOLUME CAPACITY = 9,061 TO 12,686

# FLOOR PLAN

$$\frac{1}{8}'' = 1'-0'' \quad 0 \quad 2 \quad 4 \quad 8 \quad 16 \quad 24$$


## Library (Existing)



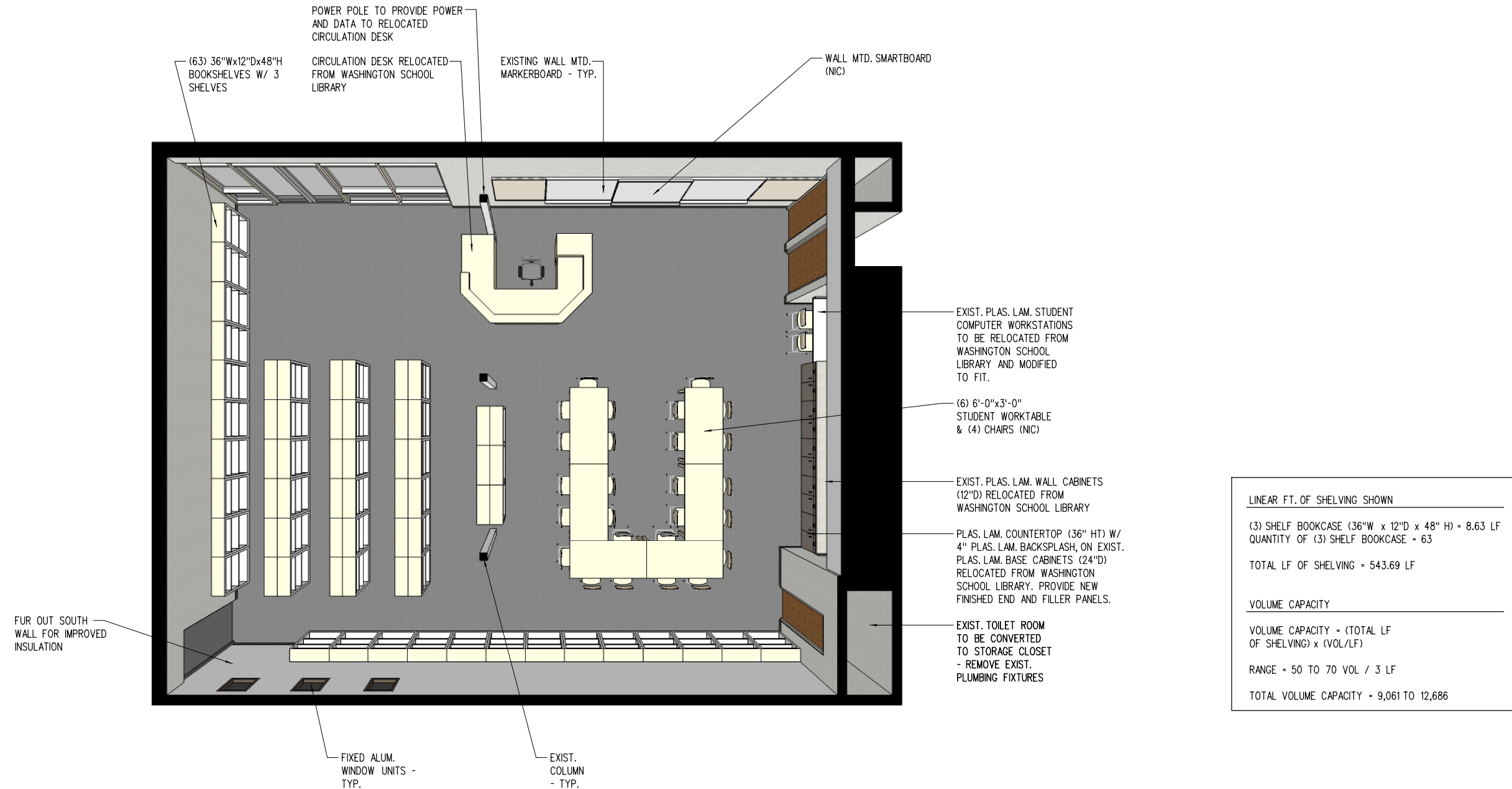
## INTERIOR ELEVATIONS

1/8" = 1'-0"



**5-1.02**

## Library (Existing)



PERSPECTIVE

NS



## Computer Lab (Existing)

|        | Unit Area (NSF) | Qty | Total Area (NSF) |
|--------|-----------------|-----|------------------|
| Actual | 935             | 1   | 935              |

## Design Occupancy

1 Instructor + 28 Students

Typical Room Dimensions (Feet)

27.0 x 34.6

## Built-In Casework

- 1 Plas. lam. countertop (30"Ht) w/ 4" plas. lam. backsplash, on lockable & open plas. lam. base cabinets (18"D) w/ adjustable shelves
- 1 Plas. lam. countertop (30"Ht) w/ 4" plas. lam. backsplash, on lockable plas. lam. base cabinets (24"D) w/ adjustable shelves

## Visual Display

- 12 Markerboard (in linear feet) - Main Teaching Space
- 4 Tackboard (in linear feet) - Main Teaching Space
- 4 Tackboard (in linear feet) - Main Teaching Space
- 6 Tackboard (in linear feet) - Accessory Teaching Space
- 6 Tackboard (in linear feet) - Existing
- 12 Tackboard (in linear feet) - Existing
- 11 Tackboard (in linear feet) - Existing
- 4 12" Tackboard (in linear feet) - Main Teaching Space
- 8 12" Tackboard (in linear feet) - Main Teaching Space

## Furniture and Equipment (Not in Contract)

- Student desks and chairs
- Teacher desk and chair
- 1 2-drawer teacher file cabinet

## Technology

- 1 Wall Mounted 65"Wx49"H Smartboard at main teaching space (NIC)
- 1 Power, Data and Auxiliary Connections to Teacher Station
- 1 Telephone (NIC) - Outlet Provided
- Projector outlet to have (1) HDMI, (3) data ports & (3) WAPs - wall mtd. projector (NIC)
- Provide (2) additional WAPs, 1 each at opposite east and west ends of the room

## Plumbing, Mechanical and Electrical Systems

Electrical outlets conveniently located to supplement existing outlets  
 Quad and Office outlets on counter along corridor wall  
 Analog Clock  
 Ceiling Mounted Speaker  
 Unit Ventilator on exterior wall

## Lighting

Access to Natural Daylight (Windows)  
 Fluorescent Lighting  
 Dual Level Light Switches

## Other Considerations

## Room Finishes

|                     |                        |
|---------------------|------------------------|
| Ceiling             | Existing to Remain     |
| Walls               | Existing / Painted CMU |
| Casework            | Existing to Remain     |
| Horizontal Surfaces | Existing to Remain     |
| Floor               | Existing to Remain     |
| Floor Base          | Existing / Rubber      |

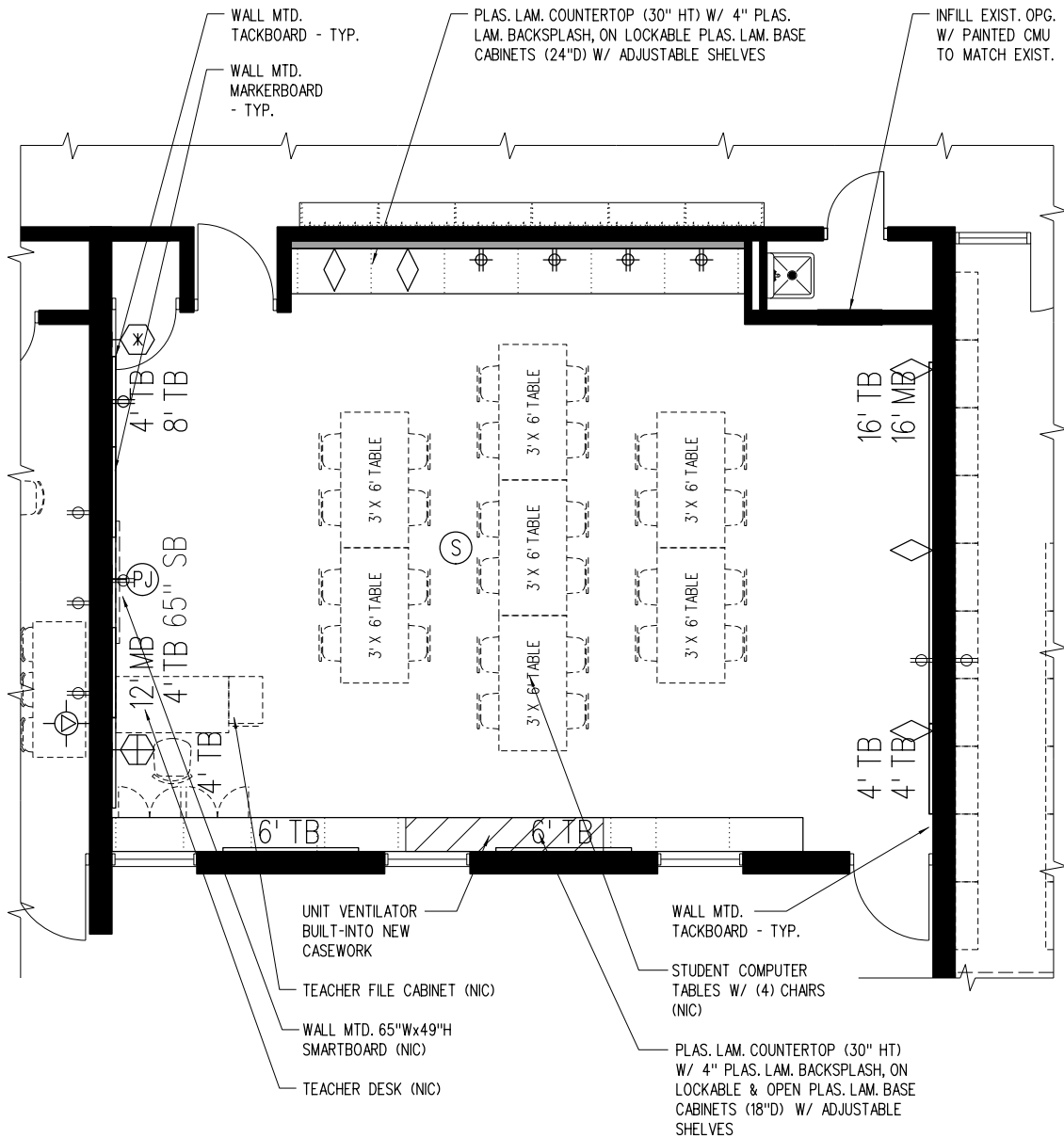
## Notes:

Existing toilet room is to be converted to Janitor's Closet accessible from the corridor. Existing opening to be infilled with CMU.

The (2) base cabinets directly behind teacher's desk are to have lockable doors.

5-2.00

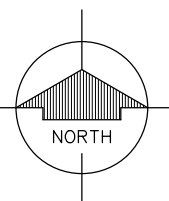
## Computer Lab (Existing)



# FLOOR PLAN

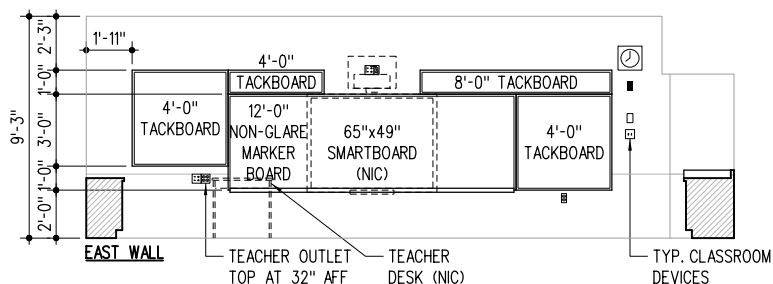
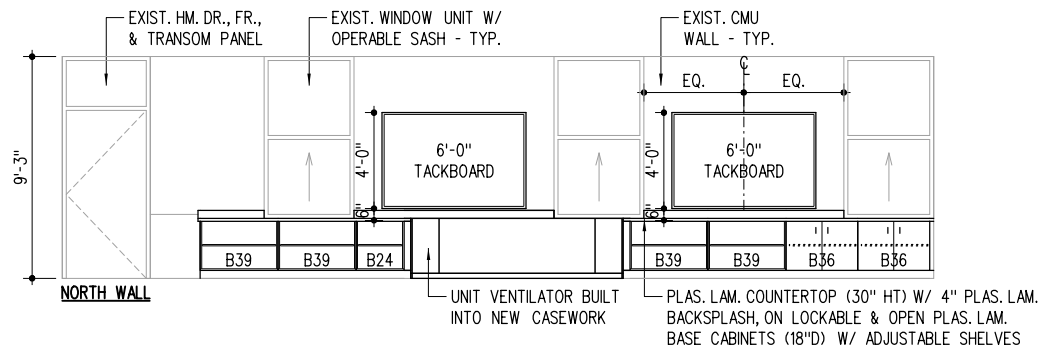
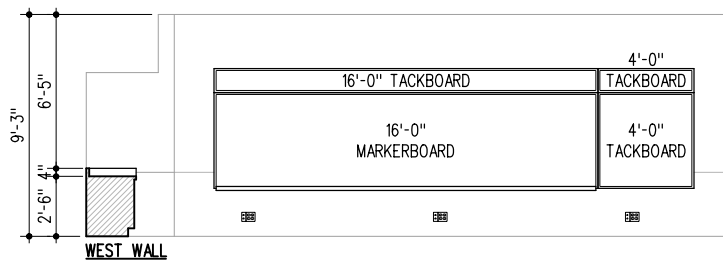
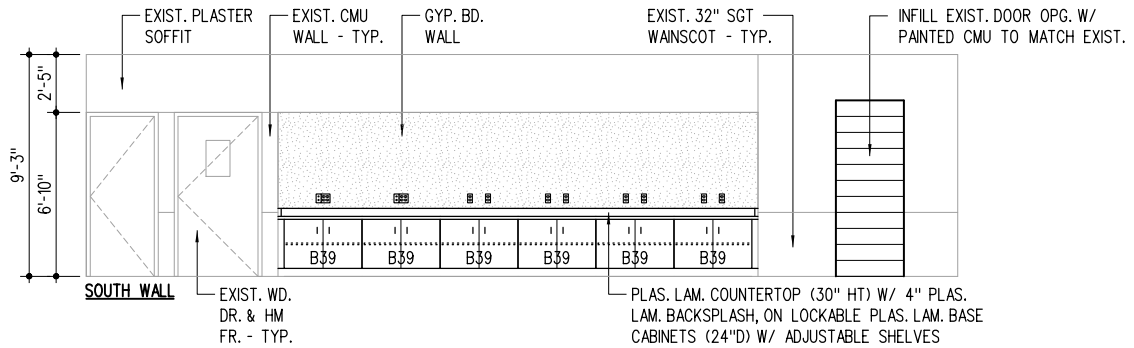
1/8" = 1'-0"

0 2 4 8 16 24



## 5-2.01

# Computer Lab (Existing)

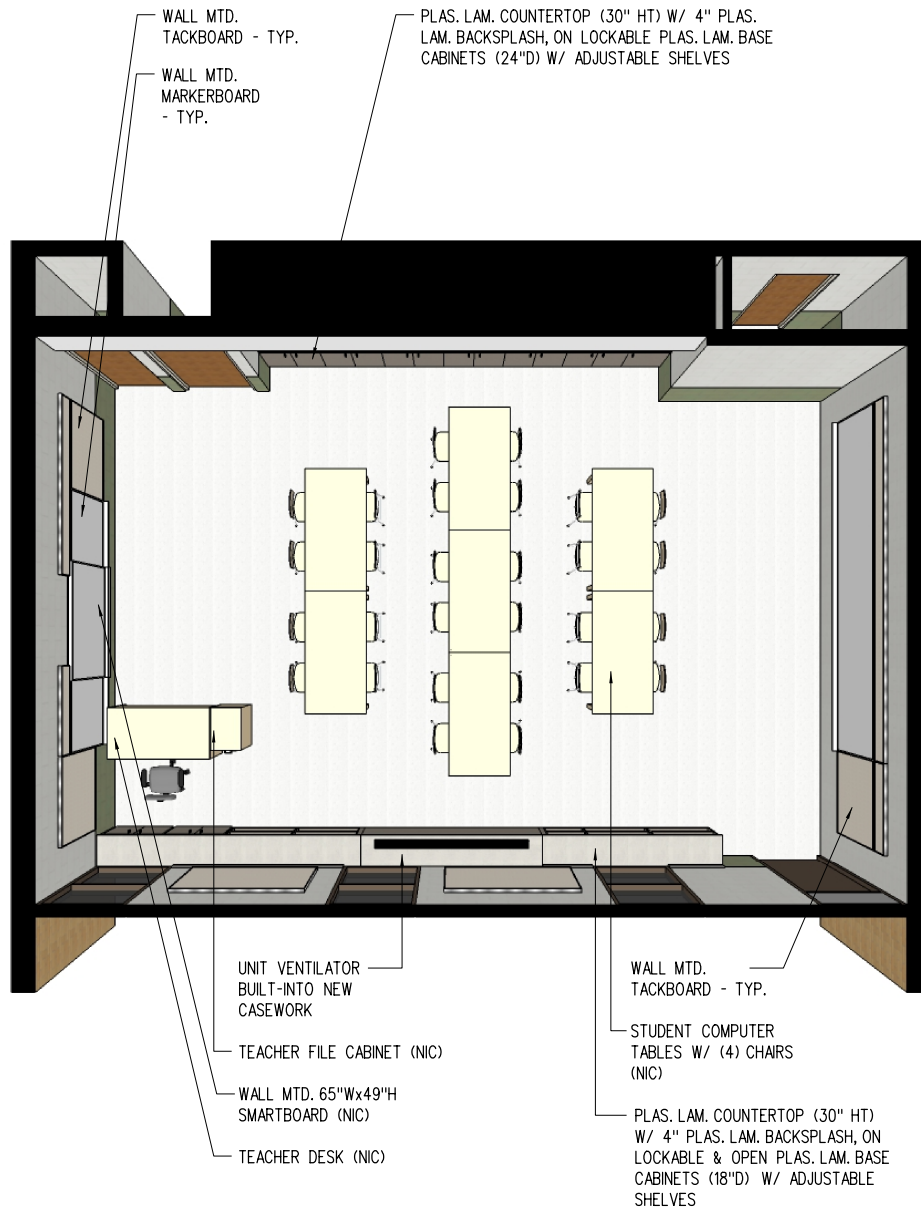


## INTERIOR ELEVATIONS



5-2.02

## Computer Lab (Existing)



PERSPECTIVE

NS

5-2.03

**MDF / Storage (Existing)**

|        | Unit Area (NSF) | Qty | Total Area (NSF) |
|--------|-----------------|-----|------------------|
| Actual | 228             | 1   | 228              |

**Design Occupancy**

Not Applicable

Typical Room Dimensions (Feet)

**20.0** x **11.4****Built-In Casework**

Plas. lam. countertop (36"Ht) w/ 4" plas. lam. backsplash, on plas. lam. &amp; plywood supports

**Lighting**

Fluorescent Lighting - Existing

**Technology****Plumbing, Mechanical and Electrical Systems**

Existing electrical and data outlets to be supplemented with new power and data outlets.

**Lighting**

Existing fluorescent Lighting

**Other Considerations**

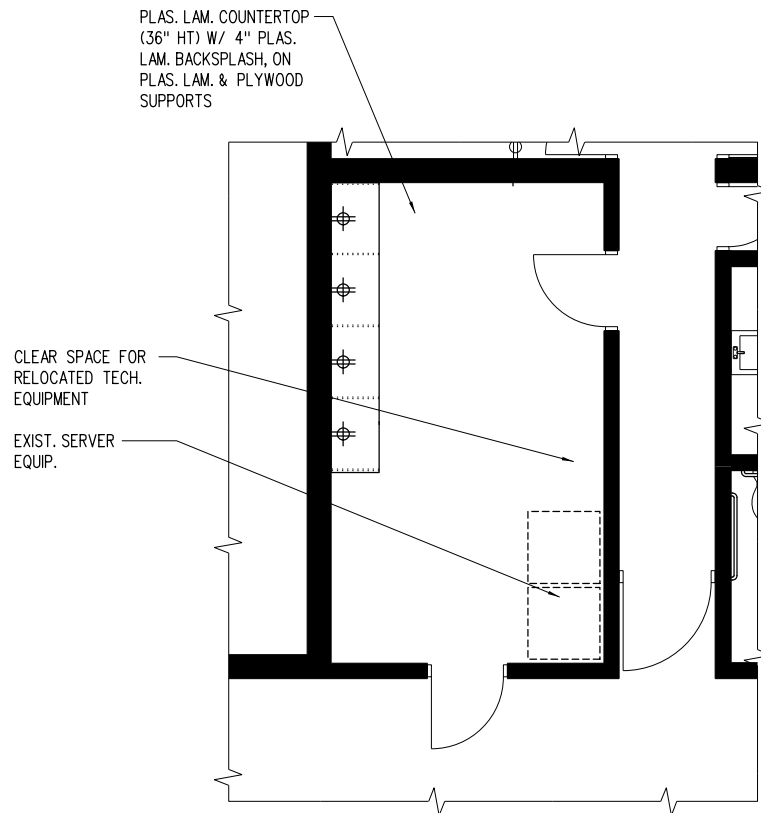
Provide space for (2) existing equipment racks relocated from Washington School

**Room Finishes**

|                            |                    |
|----------------------------|--------------------|
| <b>Ceiling</b>             | Existing to Remain |
| <b>Walls</b>               | Existing to Remain |
| <b>Casework</b>            | Existing to Remain |
| <b>Horizontal Surfaces</b> | Existing to Remain |
| <b>Floor</b>               | Existing to Remain |
| <b>Floor Base</b>          | Existing to Remain |

**Notes:****5-3.00**

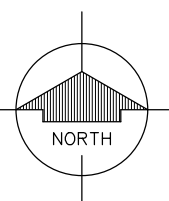
## MDF / Storage (Existing)



FLOOR PLAN

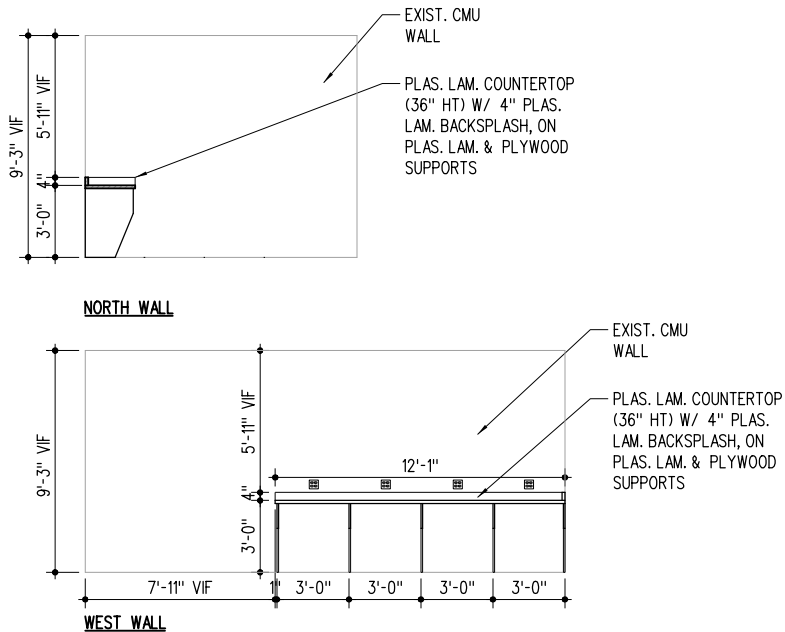
1/8" = 1'-0"

0 2 4 8 16 24



**5-3.01**

## MDF / Storage (Existing)



## INTERIOR ELEVATIONS



5-3.02

**Addition and Renovation Northview Elementary School**

Design Development Manual - April 18, 2014

**Library / Technology****IDF**

|        | Unit Area (NSF) | Qty | Total Area (NSF) |
|--------|-----------------|-----|------------------|
| Actual | 50              | 2   | 100              |

**Design Occupancy**

Not Applicable

Typical Room Dimensions (Feet)

**7.1 x 7.0****Plumbing, Mechanical, and Electrical Systems**Electrical outlets conveniently located  
Standard Heating and Cooling**Lighting**Fluorescent Lighting  
Dual Level Light Switches**Room Finishes**

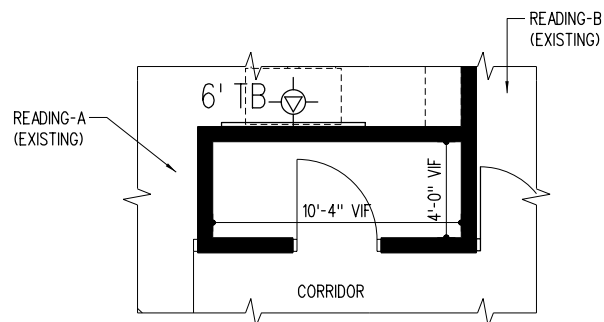
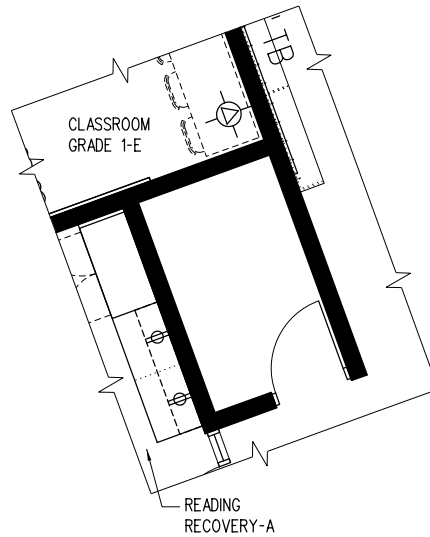
|                     |                |
|---------------------|----------------|
| Ceiling             | 2'x2' AC.T.    |
| Walls               | Painted CMU    |
| Casework            | Not Applicable |
| Horizontal Surfaces | Not Applicable |
| Floor               | VCT            |
| Floor Base          | Rubber         |

Notes:

**5-4.00**



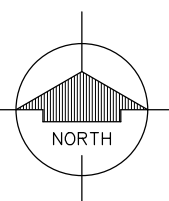
IDF



FLOOR PLAN

$\frac{1}{8}" = 1'-0"$

0 2 4 8 16 24



5-4.01

## Technology Office (Existing)

|        | Unit Area (NSF) | Qty | Total Area (NSF) |
|--------|-----------------|-----|------------------|
| Actual | 84              | 1   | 84               |

## Design Occupancy

1 Person

Typical Room Dimensions (Feet)

7.3 x 11.5

## Furniture and Equipment (Not in Contract)

Teacher desk and chair

1 2-drawer teacher file cabinets

## Technology

Existing electrical outlets

## Plumbing, Mechanical and Electrical Systems

Modify existing mechanical systems as required for office use

Analog Clock

1 Teacher Computer and Printer (NIC) - Office Power and Data Outlet Provided

1 Telephone (NIC) - Outlet Provided

## Lighting

Existing fluorescent lighting

## Other Considerations

## Room Finishes

Ceiling Existing to Remain

Walls Existing to Remain

Casework Existing to Remain

Horizontal Surfaces Existing to Remain

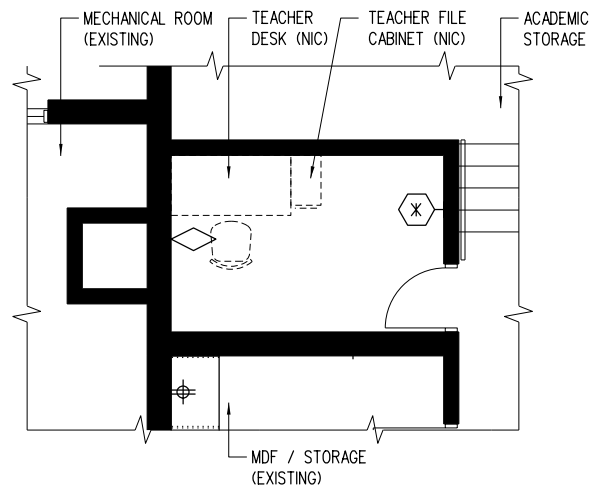
Floor Existing to Remain

Floor Base Existing to Remain

## Notes:

5-5.00

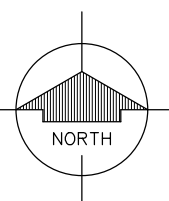
## Technology Office (Existing)



# FLOOR PLAN

1/8" = 1'-0"

0 2 4 8 16 24



## 5-5.01