100% CONSTRUCTION DOCUMENTS
1. FIRST FLOOR ELEVATION = 100' − 0"

The finish floor elevation of 100' − 0" corresponds to elevation XXX' − X" on the civil drawings.

GENERAL NOTES:

- All tables & chairs to be stored for future use.
- Built-in shelves to remain, typ.

EXISTING ROOM TO REMAIN, NOT INCLUDED IN SCOPE

EXISTING CONSTRUCTION TO BE REMOVED

REFER TO SCHEDULED DEMOLITION NOTES FOR SPECIFIC INSTRUCTIONS

EXISTING CONSTRUCTION TO REMAIN

Demolition Legend:
- Denotes approximate extents of demolition work
- Denotes approximate extents of existing construction to be removed
- Denotes approximate extents of existing construction to remain

Trenching Required

Schedule of Demolition Notes

# Demolition Text

1. Remove existing flooring.
2. Remove all existing partitions and plumbing fixtures.
3. Remove all ceiling grids and tiles in locations noted on plans and coordinated with the room finish schedule,
4. Remove window unit and all associated wood blocking, window treatments, interior wood trim and apron as required for installation of new work
5. Remove existing door(s), frame(s), including transom panel(s) and sidelite(s), blocking, trim and thresholds.
6. Remove ceiling mounted devices and light fixtures. Refer to electrical drawings for additional information.
7. Remove existing casework, built-in shelving, loose shelving, wardrobes, base and upper cabinets and countertops.
8. Remove all wall mounted items and prepare surface for new finish.
9. Remove door frame + hardware in its entirety.
10. Remove door + hardware & prepare frame for new door + hardware.
11. Remove hardware & prepare door + frame for new hardware.
12. Modify existing act grid & system to reflect new ceiling design.
1. FIRST FLOOR ELEVATION = 100' − 0"

FINISH FLOOR ELEVATION OF 100' - 0" CORRESPONDS TO ELEVATION XXX' - X" ON THE CIVIL DRAWINGS.

GENERAL NOTES:

EXISTING MECHANICAL UNIT TO REMAIN?
EXISTING MOBILE DISPLAY TO BE STORED FOR FUTURE USE
EXISTING ROOMS TO REMAIN, NOT INCLUDED IN SCOPE
EXISTING BUILT-IN SHELVES TO REMAIN
EXISTING CONSTRUCTION TO REMAIN
DENOTES APPROXIMATE EXTENTS OF DEMOLITION WORK
EXISTING CONSTRUCTION TO BE REMOVED
REFER TO SCHEDULED DEMOLITION NOTES FOR SPECIFIC INSTRUCTIONS
TRENCHING REQUIRED

SCREW DRIVERS WITH INTERNAL 
SHELF SUPPORTS

SCOPE OF WORK

1. REMOVE EXISTING FLOORING.
2. REMOVE ALL EXISTING PARTITIONS AND PLUMBING FIXTURES.
3. REMOVE ALL CEILING GRIDS AND TILES IN LOCATIONS NOTED ON PLANS AND COORDINATED WITH THE ROOM FINISH SCHEDULE,
4. REMOVE WINDOW UNIT AND ALL ASSOCIATED WOOD BLOCKING, WINDOW TREATMENTS, INTERIOR WOOD TRIM AND APRONT AS REQUIRED FOR INSTALLATION OF NEW WORK
5. REMOVE EXISTING DOOR(S), FRAME(S), INCLUDING TRANSOM PANEL(S) AND SIDELITE(S), BLOCKING, TRIM AND THRESHOLDS.
6. REMOVE CEILING MOUNTED DEVICES AND LIGHT FIXTURES. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
7. REMOVE EXISTING CASEWORK, BUILT-IN SHELVING, LOOSE SHELVING, WAREDROBES, BASE AND UPPER CABINETS AND COUNTERTOPS.
8. REMOVE ALL WALL MOUNTED ITEMS AND PREPARE SURFACE FOR NEW FINISH.
9. REMOVE DOOR FRAME + HARDWARE IN ITS ENTIRETY.
10. REMOVE DOOR + HARDWARE & PREPARE FRAME FOR NEW DOOR + HARDWARE.
11. REMOVE HARDWARE & PREPARE DOOR + FRAME FOR NEW HARDWARE.
12. MODIFY EXISTING ACT GRID & SYSTEM TO REFLECT NEW CEILING DESIGN.
FINISH FLOOR ELEVATION OF 100' - 0" CORRESPONDS TO ELEVATION XXX' - X" ON THE CIVIL DRAWINGS.

GENERAL NOTES:

APPROXIMATE EXTENTS OF REQUIRED TRENCHING FOR NEW UNDERGROUND PIPING TO TIE INTO EXISTING LINE. GC TO COORDINATE WITH PLUMBING SCOPE AND REQUIREMENTS.

DENOTES APPROXIMATE EXTENTS OF DEMOLITION WORK EXISTING CONSTRUCTION TO BE REMOVED REFER TO SCHEDULED DEMOLITION NOTES FOR SPECIFIC INSTRUCTIONS EXISTING CONSTRUCTION TO REMAIN

DENOTES APPROXIMATE EXTENTS OF TRENCHING REQUIRED

SCHEDULED DEMOLITION NOTES

# DEMOLITION TEXT

1 REMOVE EXISTING FLOORING.

2 REMOVE ALL EXISTING PARTITIONS AND PLUMBING FIXTURES.

3 REMOVE ALL CEILING GRIDS AND TILES IN LOCATIONS NOTED ON PLANS AND COORDINATED WITH THE ROOM FINISH SCHEDULE,

4 REMOVE WINDOW UNIT AND ALL ASSOCIATED WOOD BLOCKING, WINDOW TREATMENTS, INTERIOR WOOD TRIM AND APRON AS REQUIRED FOR INSTALLATION OF NEW WORK

5 REMOVE EXISTING DOOR(S), FRAME(S), INCLUDING TRANSOM PANEL(S) AND SIDELITE(S), BLOCKING, TRIM AND THRESHOLDS.

6 REMOVE CEILING MOUNTED DEVICES AND LIGHT FIXTURES. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

7 REMOVE EXISTING CASEWORK, BUILT-IN SHELVING, LOOSE SHELVING, WAREDROBES, BASE AND UPPER CABINETS AND COUNTERTOPS.

8 REMOVE ALL WALL MOUNTED ITEMS AND PREPARE SURFACE FOR NEW FINISH.

9 REMOVE DOOR FRAME + HARDWARE IN ITS ENTIRETY.

10 REMOVE DOOR + HARDWARE & PREPARE FRAME FOR NEW DOOR + HARDWARE.

11 REMOVE HARDWARE & PREPARE DOOR + FRAME FOR NEW HARDWARE.

12 MODIFY EXISTING ACT GRID & SYSTEM TO REFLECT NEW CEILING DESIGN

1/4" = 1'-0"

ENLARGED DEMO FLOOR PLAN
1. FIRST FLOOR ELEVATION = 100' - 0"

FINISH FLOOR ELEVATION OF 100' - 0" CORRESPONDS TO ELEVATION XXX' - X" ON THE CIVIL DRAWINGS.

GENERAL NOTES:

LIGHTING FIXTURES TO BE STORED FOR FUTURE USE, TYP.

SCOPE OF WORK

1 REMOVE EXISTING FLOORING.
2 REMOVE ALL EXISTING PARTITIONS AND PLUMBING FIXTURES.
3 REMOVE ALL CEILING GRIDS AND TILES IN LOCATIONS NOTED ON PLANS AND COORDINATED WITH THE ROOM FINISH SCHEDULE,
4 REMOVE WINDOW UNIT AND ALL ASSOCIATED WOOD BLOCKING, WINDOW TREATMENTS, INTERIOR WOOD TRIM AND APRONT AS REQUIRED FOR INSTALLATION OF NEW WORK 
5 REMOVE EXISTING DOOR(S), FRAME(S), INCLUDING TRANSOM PANEL(S) AND SIDELITE(S), BLOCKING, TRIM AND THRESHOLDS.
6 REMOVE CEILING MOUNTED DEVICES AND LIGHT FIXTURES. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
7 REMOVE EXISTING CASEWORK, BUILT-IN SHELVING, LOOSE SHELVING, WAREDROBES, BASE AND UPPER CABINETS AND COUNTERTOPS.
8 REMOVE ALL WALL MOUNTED ITEMS AND PREPARE SURFACE FOR NEW FINISH.
9 REMOVE DOOR FRAME + HARDWARE IN ITS ENTIRETY.
10 REMOVE DOOR + HARDWARE & PREPARE FRAME FOR NEW DOOR + HARDWARE.
11 REMOVE HARDWARE & PREPARE DOOR + FRAME FOR NEW HARDWARE.
12 MODIFY EXISTING ACT GRID & SYSTEM TO REFLECT NEW CEILING DESIGN.
SCIENCE CLASSROOM 211
SCIENCE CLASSROOM

SCOPE OF WORK

1. REMOVE CEILING TILES & GRID FOR INSTALLATION OF STOREFRONT AND NEW WALL LIGHTING FIXTURES TO BE STORED FOR FUTURE USE, TYP.

ACT-EXIST
9'-6 3/4"

ACT-EXIST
9'-6 3/4"

OVERALL SECOND FLOOR DEMO RCP

REVIEWED BY:
DRAWN BY:
SCALE:
JOB NO.:
DATE:
DRAWING NUMBER:

KEY PLAN NORTH ARROW
DRAWING NAME:
www.ai3architects.com Copyright © 2021 Ai3 Architects, LLC

100% CONSTRUCTION DOCUMENTS
AD1.21
1/16" = 1'-0"

179 FORBES STREET, RIVERSIDE, RI 02915

AD1.21
REFLECTED CEILING PLAN LEGEND:

- LIGHTING FIXTURES - SEE ELECTRICAL
  - RECESSED LINEAR LIGHTS
  - RECESSED DOWNLIGHTS
  - STRIP STAGE TRACK
  - TYPICAL PENDENTS (HEIGHT AS NOTED)
  - LINEAR PENDENT (HEIGHT AS NOTED)
  - RING PENDENTS (HEIGHT AS NOTED)

MATERIALS (ACT GRID SIZES VARY BY TYPE - REF. SPECIFICATIONS)

- GWB SOFFIT
- MDF SOFFIT
- WOOD SOFFIT
- ACT (WOOD LOOK)
- ACT (WOOD GRILLE)
- ACT (SEAMLESS)
- ACT (METAL LOOK)

ACOUSTIC PANEL:

- REFLECTIVE
- ABSORPTIVE

ACCESS PANEL - SEE MEPFP

SPRINKLER HEAD - SEE FIRE PROTEC.

DAYLIGHT SENSOR - SEE ELEC.

OCCUPANCY SENSOR - SEE ELEC.

SPEAKER - SEE TECHNOLOGY

CAMERA - SEE TECHNOLOGY

SUPPLY - SEE MECH.

RETURN - SEE MECH.

RADIANT PANEL - SEE MECH.

VOICE LIFT SYSTEM - SEE TECHNOLOGY

WALL SCONCE RECESSED TROFFER

1. ALL CEILING MOUNTED ITEMS, INCLUDING SPRINKLER HEADS, SMOKE DETECTORS, SPEAKERS, VIDEO, WIRELESS ACCESS POINTS AND RECESSED DOWN LIGHTS, PLACED IN A 2'X4' CEILING TILE ARE TO BE ON CENTERLINE OF 2'-0" DIMENSION AND TO BE AT 1'-0" OFF EITHER END OR IN THE EXACT CENTER OF THE 4'-0" DIMENSION.

2. ALL CEILING MOUNTED ITEMS INCLUDING SPRINKLER HEADS, SMOKE DETECTORS, SPEAKERS, VIDEO, WIRELESS ACCESS POINTS AND RECESSED DOWN LIGHTS PLACED IN A 2'X2' CEILING TILE TO BE CENTERED IN THE EXACT CENTER OF THE TILE.

3. ALL SUPPLY GRILLES, RETURN REGISTERS, SPRINKLER HEADS, SMOKE DETECTORS, LIGHTS, SPEAKERS, VIDEO, WIRELESS ACCESS POINTS AND EXIT SIGNS TO BE LOCATED ON COORDINATION DRAWINGS. FINAL PLACEMENT TO BE APPROVED BY ARCHITECT.

4. THE EXACT LOCATION OF LINEAR PENDENT LIGHT FIXTURES IN ALIGNMENT WITH TACK OR MARKER BOARDS SHOULD BE COORDINATED IN FIELD. SURROUNDING ACT TILES SHALL BE CUT ACCORDINGLY, GC TO COORDINATE.

5. DIVISION 092216, 092613, 092123 AND 078100 REFER TO DRAWINGS G0.02, G0.03, AND G0.04 FOR ROOMS (AREAS) THAT ARE REQUIRED TO HAVE FIRE RATED CEILING / FLOOR AND WALL ASSEMBLIES.

6. WHEN NOT INSTALLED IN WHITE ACT, CONCEALED SPRINKLER HEAD COVERS SHALL BE PAINTED TO MATCH CEILING CONDITION / COLOR, U.N.O.

7. ACOUSTICAL CEILING FILED SUB-CONTRACTOR IS TO THOROUGHLY COORDINATE EQUIPMENT, DEVICES, ACCESS PANELS, AND SPRINKLER HEADS NOTED ON THE FIRE PROTECTION DRAWINGS, ELECTRICAL DRAWINGS, MECHANICAL DRAWINGS, AND TECHNOLOGY DRAWINGS.
REFLECTED CEILING PLAN LEGEND:

LIGHTING FIXTURES - SEE ELECTRICAL
RECESSED LINEAR LIGHTS
RECESSED DOWNLIGHTS
STRIP STAGE TRACK
TYPICAL PENDENTS (HEIGHT AS NOTED)
LINEAR PENDENT (HEIGHT AS NOTED)
RING PENDENTS (HEIGHT AS NOTED)

MATERIALS   (ACT GRIDS SIZES VARY BY TYPE - REF. SPECIFICATIONS)
GWB SOFFIT
MDF SOFFIT
WOOD SOFFIT
ACT (WOOD LOOK)
ACT (WOOD GRILLE)
ACT (SEAMLESS)
ACT (METAL LOOK)

ACOUSTIC PANEL:
REFLECTIVE
ABSORPTIVE

ACCESS PANEL - SEE MEPFP
SPRINKLER HEAD - SEE FIRE PROTEC.
DAYLIGHT SENSOR - SEE ELEC.
OCCUPANCY SENSOR - SEE ELEC.
 SPEAKER - SEE TECHNOLOGY
CAMERA - SEE TECHNOLOGY
SUPPLY - SEE MECH.
RETURN - SEE MECH.
RADIANT PANEL - SEE MECH.
VOICE LIFT SYSTEM - SEE TECHNOLOGY
WALL SCONCE
RECESSED TROFFER

1. ALL CEILING MOUNTED ITEMS, INCLUDING SPRINKLER HEADS, SMOKE DETECTORS, SPEAKERS, VIDEO, WIRELESS ACCESS POINTS AND RECESSED DOWN LIGHTS, PLACED IN A 2'X4' CEILING TILE ARE TO BE ON CENTERLINE OF 2'-0" DIMENSION AND TO BE AT 1'-0" OFF EITHER END OR IN THE EXACT CENTER OF THE 4'-0" DIMENSION.

2. ALL CEILING MOUNTED ITEMS INCLUDING SPRINKLER HEADS, SMOKE DETECTORS, SPEAKERS, VIDEO, WIRELESS ACCESS POINTS AND RECESSED DOWN LIGHTS PLACED IN A 2'X2' CEILING TILE TO BE CENTERED IN THE EXACT CENTER OF THE TILE.

3. ALL SUPPLY GRILLES, RETURN REGISTERS, SPRINKLER HEADS, SMOKE DETECTORS, LIGHTS, SPEAKERS, VIDEO, WIRELESS ACCESS POINTS AND EXIT SIGNS TO BE LOCATED ON COORDINATION DRAWINGS. FINAL PLACEMENT TO BE APPROVED BY ARCHITECT.

4. THE EXACT LOCATION OF LINEAR PENDENT LIGHT FIXTURES IN ALIGNMENT WITH TACK OR MARKER BOARDS SHOULD BE COORDINATED IN FIELD. SURROUNDING ACT TILES SHALL BE CUT ACCORDINGLY, GC TO COORDINATE.

5. DIVISION 092216, 092613, 092123 AND 078100 REFER TO DRAWINGS G0.02, G0.03, AND G0.04 FOR ROOMS (AREAS) THAT ARE REQUIRED TO HAVE FIRE RATED CEILING / FLOOR AND WALL ASSEMBLIES.

6. WHEN NOT INSTALLED IN WHITE ACT, CONCEALED SPRINKLER HEAD COVERS SHALL BE PAINTED TO MATCH CEILING CONDITION / COLOR, U.N.O.

7. ACOUSTICAL CEILING FILED SUB-CONTRACTOR IS TO THOROUGHLY COORDINATE EQUIPMENT, DEVICES, ACCESS PANELS, AND SPRINKLER HEADS NOTED ON THE FIRE PROTECTION DRAWINGS, ELECTRICAL DRAWINGS, MECHANICAL DRAWINGS, AND TECHNOLOGY DRAWINGS.
### General Notes

- **Multiple Colors/Patterning** required for flooring finishes and wall tiles. Refer to spaces not listed shall receive the same finishes as similar function spaces.
- Signage graphics to be level 5 finish and primed prior to graphic installation. Required, though final selections will be issued after approval of shop drawings.
- Ductwork, pipes, and conduit required to be painted. All walls in rooms noted as "MFR" (SECTION 09 91 00)
- Polished concrete finishing.
- LAB and A7.91 are intended to demonstrate the variety of color and patterning that will be intended to demonstrate the variety of color and patterning that will be.
- Note: Refer to reflected ceiling plan for ceiling heights, act types & ceiling extents.
- Stage flooring will be painted Masonite board. The floor plan shall identify locations to be painted Masonite board, where "NORTH" refers to the top of the architectural drawing sheet for the space indicated.
- Architectural documents, where "NORTH" refers to the top of the architectural drawing sheet for the space indicated.
- Areas to be carpet, U.N.O.
- Provide aluminum edge trim at all outside corner and exposed edge conditions of room materials, lockers, vestibules, and fire-rated spaces.
- Sprayed-on sound absorption.
- Movable walls.
- Manufacturer or product literature from installing contractor.
- Areas directly under fixed furniture shall have a paint transition line, height to be coordinated in field.
- Provide act retention clips at all toilet rooms, vestibules, and fire-rated spaces.
- Refer to interior elevations for variation in tile height and extents.
- Refer to reflected ceiling plan for ceiling heights, act types, and ceiling extents.

### Abbreviations / Finish Legend

- **AB**: Acoustic Band
- **CT**: Ceiling Type
- **WAF**: Wall As Felt
- **CPT**: Ceiling Type
- **RA**: Raised Access Flooring
- **WD**: Wood Deck
- **VWCR**: Vinyl Wall Cladding - Rigid Sheet
- **LP**: Laminate Panel
- **LAM**: Laminated Panel
- **CB**: Ceiling Type
- **CMT**: Ceiling Type
- **CMTB**: Ceiling Type
- **STF**: Stair Treads
- **PT**: Porcelain Tile
- **PC**: Painted Concrete
- **CMT**: Ceiling Type
- **N**: North
- **S**: South
- **E**: East
- **W**: West

### Room Finish Schedule

<table>
<thead>
<tr>
<th>Room No.</th>
<th>Wall Material</th>
<th>Level</th>
<th>Foot</th>
<th>E1</th>
<th>E2</th>
<th>E3</th>
<th>E4</th>
<th>E5</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>242A IDF</td>
<td>Red Rubber</td>
<td>FIRST</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
</tr>
<tr>
<td>526 Boston Post Rd Wayland, MA</td>
<td>BROADLOOM CARPET</td>
<td>FIRST</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
</tr>
<tr>
<td>508.358.0790</td>
<td>RESILIENT SHEET FLOORING</td>
<td>FIRST</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
</tr>
<tr>
<td>211 SCIENCE CLASSROOM</td>
<td>CERAMIC MOSAIC TILE</td>
<td>FIRST</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
</tr>
<tr>
<td>117 SCIENCE CLASSROOM</td>
<td>MATTED CONCRETE</td>
<td>SECOND</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
</tr>
<tr>
<td>118 SCIENCE CLASSROOM</td>
<td>CERAMIC MOSAIC TILE</td>
<td>SECOND</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
<td>ETR</td>
</tr>
</tbody>
</table>

**Room Finish Schedule**

- **JOB NO:** 1903.03
- **RIVERSIDE, RI 02915**
- **ARCHITECT:** Ai3 Architects, LLC
- **www.ai3architects.com**
- **Copyright © 2021 Ai3 Architects, LLC**
- **Scale:** 1:50
- **Date:** September 15, 2023
1. REFER TO A7.02 FOR FLOOR TRANSITION DETAILS

2. A7.03 OVERALL PLANS SHOW THE EXTENT OF FINISH FLOOR MATERIALS, AND IDENTIFY FLOORING TRANSITIONS. REFER TO SAMPLE PATTERN DRAWINGS FOR ADDITIONAL INFORMATION, INCLUDING THE VARIETY OF COLORS AND TYPICAL PATTERNS THAT WILL BE REQUIRED.

GENERAL NOTES:

RSF - RESILIENT SHEET FLOORING   (09 65 16)

MATERIAL LEGEND:

RSF-1A RSF-1B RSF-1C RSF-1D
RSF-2A RSF-2B

HATCHES BELOW REPRESENT COLOR VARIATION BY MATERIAL.

COORDINATE WITH DRAWINGS & SPECIFICATIONS FOR TILE SIZES
1. REFER TO A7.02 FOR FLOOR TRANSITION DETAILS

2. A7.03 OVERALL PLANS SHOW THE EXTENT OF FINISH FLOOR MATERIALS, AND IDENTIFY FLOORING TRANSITIONS. REFER TO SAMPLE PATTERN DRAWINGS FOR ADDITIONAL INFORMATION, INCLUDING THE VARIETY OF COLORS AND TYPICAL PATTERNS THAT WILL BE REQUIRED.

RSF - RESILIENT SHEET FLOORING   (09 65 16)

MATERIAL LEGEND:
RSF-1A RSF-1B RSF-1D
RSF-2A RSF-2B

HATCHES BELOW REPRESENT COLOR VARIATION BY MATERIAL.

COORDINATE WITH DRAWINGS & SPECIFICATIONS FOR TILE SIZES

MEDIA CENTER BALCONY
FINISH FLOOR PLAN
REFER TO ELEVATION FOR WINDOW TYPE
REFER TO WINDOW DETAILS FOR ADDITIONAL INFORMATION

FACE OF WALL
REF. TO WALL TYPES FOR ADDITIONAL INFORMATION

REFER TO SHEET(S) A0.0C FOR PARTITION TYPES.
REFERENCE FLOOR PLANS, INTERIOR ELEVATIONS, AND REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION.

GENERAL NOTES:
CONTINUOUS; SECURE TO EACH STUD

COORDINATE WITH ADJACENT CASEWORK U.N.O.
VARIES: SEE PLAN

REFER TO ELEVATION

COORDINATE WITH ADJACENT CASEWORK U.N.O.

1'-4" X 2'-0" @ 2'-6" COUNTER DEPTH
1'-6" X 1'-6" @ 2'-0" COUNTER DEPTH
1'-6" X 2'-6" @ 3'-0" COUNTER DEPTH
1'-6" X 0'-8" @ 1'-0" & 1'-2" COUNTER DEPTH

AT ALL DATA OUTLETS

3" = 1'-0"

TYPICAL INTERIOR DETAILS

TYPICAL SILL ENLARGED ELEVATION

TYPICAL LOW WALL PLAN DETAIL

TYPICAL LOW WALL SECTION DETAIL

TYP. SECTION DETAIL: COUNTER WITH BRACKETS

3" = 1'-0"

1 1/2" = 1'-0"

1TYPICAL SILL ENLARGED ELEVATION

2TYPICAL LOW WALL PLAN DETAIL

3TYPICAL LOW WALL SECTION DETAIL

5TYPICAL TRIM DETAIL @ MIRROR

4TYP. SECTION DETAIL: COUNTER WITH BRACKETS

06 20 00.03 HARDWOOD TRIM - EASED EDGE 1/4 INCH RADIUS - TRANSPARENT FINISH
06 20 00.04 HARDWOOD TRIM - BULLNOSE - TRANSPARENT FINISH
06 20 00.18 STAINLESS STEEL BOLTS - NUTS AND WASHERS - 1/2 INCH DIA
06 20 00.19 STAINLESS STEEL BOLTS - NUTS AND WASHERS - SIZE AS NOTED
06 20 00.21 HARDWOOD TRIM - 1/2 INCH - TRANSPARENT FINISH
06 20 00.23 HARDWOOD TRIM - 3/4 INCH - TRANSPARENT FINISH
06 20 00.42 PLYWOOD - 5/8 INCH
06 20 00.71 GROMMET - 3 INCH - PLASTIC
06 20 00.72 WIRE MANAGEMENT HOOKS – 12 INCHES O.C. – UNDER COUNTER
06 20 00.73 STEEL UNDER COUNTER SUPPORT BRACKET - SIZE AS NOTED OR DRAWN
06 20 00.81 PLASTIC LAMINATE - TYPE 1
06 20 00.87 COUNTERTOP EDGING
06 20 00.89 PLASTIC LAMINATE BACKSPLASH - HEIGHT AS NOTED
06 20 00.99 WOOD BLOCKING - SIZE AS NOTED OR DRAWN
07 92 00.01 JOINT SEALANT - TYPE AS REQUIRED
09 22 16.03 METAL STUD 3-5/8 INCH - 16 INCHES O.C. MAX
09 29 00.01 5/8 INCH GYPSUM BOARD - LEVEL 4 FINISH - 1 LAYER
09 29 00.99 GYPSUM BOARD SYSTEM - LEVEL 4 FINISH - REFER TO FLOOR PLANS AND WALL TYPES FOR COMPONENTS
09 65 13.01 RUBBER BASE - 4 INCH
09 91 00.01 PAINT - SEE SCHEDULE

3" = 1'-0"
CASEWORK TYPE B1.1: 18"
TYPICAL DEPTH OF UNIT: 24"

CASEWORK TYPE B2.1: 36"
TYPICAL DEPTH OF UNIT: 24"

FIN. FLOOR
DRAWER
ADJ. SHELVING
4" U.N.O. 3'-0"
1'-6"

CASEWORK TYPE B3.1: 30"
TYPICAL DEPTH OF UNIT: 24"

FIN. FLOOR
ADJ. SHELVING
U.N.O.
4" 3'-0"
2'-6"

CASEWORK TYPE B1.2: 18"
TYPICAL DEPTH OF UNIT: 24"

FIN. FLOOR
DRAWER
4" U.N.O. 3'-0"
1'-6"

CASEWORK TYPE B1.3: 18"
TYPICAL DEPTH OF UNIT: 24"

FIN. FLOOR
DRAWER
0" U.N.O. 3'-0"
1'-6"

CASEWORK TYPE W1.1: 12"
TYPICAL DEPTH OF UNIT: 12"

CASEWORK TYPE W2.1: 36"
TYPICAL DEPTH OF UNIT: 12"

U.N.O.
7'-0" A.F.F.
2'-6"
3'-0"

CASEWORK TYPE W3.1: 24"
TYPICAL DEPTH OF UNIT: 12"

CASEWORK TYPE W4.1: 36"
TYPICAL DEPTH OF UNIT: 18"

7'-0"
3'-0"

CASEWORK TYPE F3.1: 18"
TYPICAL DEPTH OF UNIT: 24"

CASEWORK TYPE F1.1: 36"
TYPICAL DEPTH OF UNIT: 24"

7'-0"
7'-0"
1'-6"
3'-0"

CASEWORK TYPE F2.1: 36"
TYPICAL DEPTH OF UNIT: 24"

7'-0"
3'-0"

CASEWORK TYPE F4.1: 36"
TYPICAL DEPTH OF UNIT: 18"

7'-0"
3'-0"

COAT ROD, SEE SPEC

CASEWORK TYPE S1.1: 36"
TYPICAL DEPTH OF UNIT: 24"

CASEWORK TYPE S2.1: 36"
TYPICAL DEPTH OF UNIT: 24"

4" U.N.O. 3'-0"
3'-0"
1. Provide plastic laminate, stainless steel, or resin laboratory countertops and backsplash for all casework identified on project, U.N.O.
2. Countertop depth may vary from base unit depth. Countertops shall always extend to walls beyond. Verify all conditions and measurements in field, including but not limited to wall radius.
3. G.C. to furnish and install grommets at countertops where technology/electrical outlets occur.
4. Provide locks on all casework units, U.N.O.
5. Provide seamless filler panel as required and provide finish end panels on all exposed ends or sides of casework.
6. Provide rubber base (09 65 13) on all toe kicks and exposed sides of casework.
7. Where identified on drawings, cabinet unit shall be installed 6 inches from wall for plumbing clearance. Countertops & finished end panels on units with exposed sides shall account for 6 inches in addition to cabinet depth and return to wall.

GENERAL NOTES:

- 100% CONSTRUCTION DOCUMENTS
- DRAWN BY:
- REVIEWED BY:
- SCALE:
- JOB NO.:
- DATE:
- DRAWING NUMBER:

www.ai3architects.com Copyright © 2021 Ai3 Architects, LLC
1. NOT ALL POWER AND DATA OUTLET/ SWITCHING LOCATIONS SHOWN. COORDINATE WITH ELECTRICAL AND TECHNOLOGY DRAWINGS FOR ALL LOCATIONS.

2. REFER TO DETAILS ON A7.51 FOR FIRE EXTINGUISHER DETAILS AND MOUNTING HEIGHTS.

3. REFERENCE TOILET ACCESSORIES LEGEND AND SCHEDULE ON DRAWING A8.31 FOR ADDITIONAL INFORMATION.

4. WHERE EXPOSED, ALL STRUCTURAL MEMBERS & MEPFP SHALL RECEIVE PAINTED FINISH, U.N.O.. HORIZONTAL PAINT TRANSITION LINE TO BE COORDINATED ON WALLS OF SPACES WITH EXPOSED DECKING.
1. NOT ALL POWER AND DATA OUTLET/SWITCHING LOCATIONS SHOWN. COORDINATE WITH ELECTRICAL AND TECHNOLOGY DRAWINGS FOR ALL LOCATIONS.

2. REFER TO DETAILS ON A7.51 FOR FIRE extinguisher DETAILS AND MOUNTING HEIGHTS.

3. REFERENCE TOILET ACCESSORIES LEGEND AND SCHEDULE ON DRAWING A8.31 FOR ADDITIONAL INFORMATION.

4. WHERE EXPOSED, ALL STRUCTURAL MEMBERS & MEPFP SHALL RECEIVE PAINTED FINISH, U.N.O. HORIZONTAL PAINT TRANSITION LINE TO BE COORDINATED ON WALLS OF SPACES WITH EXPOSED DECKING.
1. NOT ALL POWER AND DATA OUTLET/SWITCHING LOCATIONS SHOWN. COORDINATE WITH ELECTRICAL AND TECHNOLOGY DRAWINGS FOR ALL LOCATIONS.

2. REFER TO DETAILS ON A7.51 FOR FIRE EXTINGUISHER DETAILS AND MOUNTING HEIGHTS.

3. REFERENCE TOILET ACCESSORIES LEGEND AND SCHEDULE ON DRAWING A8.31 FOR ADDITIONAL INFORMATION.

4. WHERE EXPOSED, ALL STRUCTURAL MEMBERS & MEPFP SHALL RECEIVE PAINTED FINISH, U.N.O.. HORIZONTAL PAINT TRANSITION LINE TO BE COORDINATED ON WALLS OF SPACES WITH EXPOSED DECKING.
1. NOT ALL POWER AND DATA OUTLET/SWITCHING LOCATIONS SHOWN. COORDINATE WITH ELECTRICAL AND TECHNOLOGY DRAWINGS FOR ALL LOCATIONS.

2. REFER TO DETAILS ON A7.51 FOR FIRE EXTINGUISHER DETAILS AND MOUNTING HEIGHTS.

3. REFERENCE TOILET ACCESSORIES LEGEND AND SCHEDULE ON DRAWING A8.31 FOR ADDITIONAL INFORMATION.

4. WHERE EXPOSED, ALL STRUCTURAL MEMBERS & MEPFP SHALL RECEIVE PAINTED FINISH, U.N.O. HORIZONTAL PAINT TRANSITION LINE TO BE COORDINATED ON WALLS OF SPACES WITH EXPOSED DECKING.
1. NOT ALL POWER AND DATA OUTLET/SWITCHING LOCATIONS SHOWN. COORDINATE WITH ELECTRICAL AND TECHNOLOGY DRAWINGS FOR ALL LOCATIONS.

2. REFER TO DETAILS ON A7.51 FOR FIRE EXTINGUISHER DETAILS AND MOUNTING HEIGHTS.

3. REFERENCE TOILET ACCESSORIES LEGEND AND SCHEDULE ON DRAWING A8.31 FOR ADDITIONAL INFORMATION.

4. WHERE EXPOSED, ALL STRUCTURAL MEMBERS & MEPFP SHALL RECEIVE PAINTED FINISH, U.N.O.. HORIZONTAL PAINT TRANSITION LINE TO BE COORDINATED ON WALLS OF SPACES WITH EXPOSED DECKING.

GENERAL NOTES:

- 5 3/8"
- 7'-1"
- EXISTING RAILING
- 3'-2 3/4"
- 3'-0 3/32"
- 1 1/2"
- 6"
- 1'-6"
- EXISTING STAIRS
- 1'-11"
- 11"
- CLR.
- 1'-6"
- 1 1/2"
- CLR.
- 2'-9 1/2"
- 2'-7 1/2"
- 526 Boston Post Rd Wayland, MA 508.358.0790

KEYNOTE LEGEND:

KEY PLAN NORTH ARROW

DRAWING NAME:

DRAWN BY:

REVIEWED BY:

SCALE:

JOB NO.:

DATE:

DRAWING NUMBER:

www.ai3architects.com Copyright © 2021 Ai3 Architects, LLC
1. NOT ALL POWER AND DATA OUTLET/SWITCHING LOCATIONS SHOWN. COORDINATE WITH ELECTRICAL AND TECHNOLOGY DRAWINGS FOR ALL LOCATIONS.

2. REFER TO DETAILS ON A7.51 FOR FIRE EXTINGUISHER DETAILS AND MOUNTING HEIGHTS.

3. REFERENCE TOILET ACCESSORIES LEGEND AND SCHEDULE ON DRAWING A8.31 FOR ADDITIONAL INFORMATION.

4. WHERE EXPOSED, ALL STRUCTURAL MEMBERS & MEPFP SHALL RECEIVE PAINTED FINISH, U.N.O. HORIZONTAL PAINT TRANSITION LINE TO BE COORDINATED ON WALLS OF SPACES WITH EXPOSED DECKING.
MINIMUM REQUIREMENTS FOR BEAM CONNECTIONS

- Connections shall be designed to resist the full shear and axial force capacities of the beam and column.
- Connections shall be designed to accommodate any eccentricity in the beam.
- Connections shall be designed to have a minimum yield strength (Fy) of 50 ksi.

REINFORCEMENT SCHEDULE

<table>
<thead>
<tr>
<th>REINFORCEMENT TYPE</th>
<th>SIZE</th>
<th>JOINT</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIN-200</td>
<td>1/2&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIN-200</td>
<td>3/16&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

OPERABLE PARTITION COLUMN BASE PLATE DETAIL

TERMINATION DETAIL

EXISTING STEEL BEAM RETROFIT DETAIL

MINIMUM REQUIREMENTS FOR BEAM CONNECTIONS

- Connections shall be designed to resist the full shear and axial force capacities of the beam and column.
- Connections shall be designed to accommodate any eccentricity in the beam.
- Connections shall be designed to have a minimum yield strength (Fy) of 50 ksi.

REINFORCEMENT SCHEDULE

<table>
<thead>
<tr>
<th>REINFORCEMENT TYPE</th>
<th>SIZE</th>
<th>JOINT</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIN-200</td>
<td>1/2&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIN-200</td>
<td>3/16&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

OPERABLE PARTITION COLUMN TOP DETAIL

TERMINATION DETAIL

EXISTING STEEL BEAM RETROFIT DETAIL

MINIMUM REQUIREMENTS FOR BEAM CONNECTIONS

- Connections shall be designed to resist the full shear and axial force capacities of the beam and column.
- Connections shall be designed to accommodate any eccentricity in the beam.
- Connections shall be designed to have a minimum yield strength (Fy) of 50 ksi.

REINFORCEMENT SCHEDULE

<table>
<thead>
<tr>
<th>REINFORCEMENT TYPE</th>
<th>SIZE</th>
<th>JOINT</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIN-200</td>
<td>1/2&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIN-200</td>
<td>3/16&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

OPERABLE PARTITION COLUMN TOP DETAIL

TERMINATION DETAIL

EXISTING STEEL BEAM RETROFIT DETAIL

MINIMUM REQUIREMENTS FOR BEAM CONNECTIONS

- Connections shall be designed to resist the full shear and axial force capacities of the beam and column.
- Connections shall be designed to accommodate any eccentricity in the beam.
- Connections shall be designed to have a minimum yield strength (Fy) of 50 ksi.

REINFORCEMENT SCHEDULE

<table>
<thead>
<tr>
<th>REINFORCEMENT TYPE</th>
<th>SIZE</th>
<th>JOINT</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIN-200</td>
<td>1/2&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIN-200</td>
<td>3/16&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

OPERABLE PARTITION COLUMN TOP DETAIL

TERMINATION DETAIL

EXISTING STEEL BEAM RETROFIT DETAIL

MINIMUM REQUIREMENTS FOR BEAM CONNECTIONS

- Connections shall be designed to resist the full shear and axial force capacities of the beam and column.
- Connections shall be designed to accommodate any eccentricity in the beam.
- Connections shall be designed to have a minimum yield strength (Fy) of 50 ksi.

REINFORCEMENT SCHEDULE

<table>
<thead>
<tr>
<th>REINFORCEMENT TYPE</th>
<th>SIZE</th>
<th>JOINT</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIN-200</td>
<td>1/2&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIN-200</td>
<td>3/16&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### FIRE PROTECTION LEGEND

#### SYMBOLS WITHIN LEGEND FOR REFERENCE ONLY. ALL SYMBOLS SHOWN MAY NOT BE APPLICABLE TO PROJECT.

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP(DRY)</td>
<td>DRY SPRINKLER</td>
</tr>
<tr>
<td>F(DRY)</td>
<td>DRY ALARM VALVE</td>
</tr>
<tr>
<td>SPD</td>
<td>PREACTION ALARM VALVE</td>
</tr>
<tr>
<td>SPR</td>
<td>WET SPRINKLER</td>
</tr>
<tr>
<td>FDC</td>
<td>FIRE DEPARTMENT INLET CONNECTION</td>
</tr>
<tr>
<td>TH</td>
<td>HEAT TRACE</td>
</tr>
<tr>
<td>F</td>
<td>FLOW METER</td>
</tr>
<tr>
<td>DN</td>
<td>WATER TIGHT SLEEVE</td>
</tr>
<tr>
<td>FIV</td>
<td>VALVE IN VERTICAL</td>
</tr>
<tr>
<td>DCVA</td>
<td>DOUBLE CHECK VALVE ASSEMBLY</td>
</tr>
<tr>
<td>GV</td>
<td>GATE VALVE</td>
</tr>
<tr>
<td>FHC</td>
<td>FIRE HOSE CABINET</td>
</tr>
<tr>
<td>OS&amp;Y</td>
<td>SUPERVISED OUTSIDE SCREW &amp; YOLK VALVE</td>
</tr>
<tr>
<td>CV</td>
<td>CHECK VALVE</td>
</tr>
<tr>
<td>FVC</td>
<td>FIRE DEPARTMENT CONNECTION SIEMENS</td>
</tr>
<tr>
<td>BVC</td>
<td>FIRE DEPARTMENT CONNECTION STORZ</td>
</tr>
<tr>
<td>BV</td>
<td>BALL VALVE</td>
</tr>
<tr>
<td>FCV</td>
<td>FLOOR CONTROL VALVE ASSEMBLY</td>
</tr>
<tr>
<td>FM</td>
<td>FLOW METER</td>
</tr>
<tr>
<td>FS</td>
<td>FLOW SWITCH</td>
</tr>
<tr>
<td>TS</td>
<td>THERMAL SMOKE</td>
</tr>
<tr>
<td>E</td>
<td>EXISTING TO REMAIN</td>
</tr>
<tr>
<td>X</td>
<td>EXISTING SPRINKLER TO REMAIN</td>
</tr>
<tr>
<td>E</td>
<td>EXISTING SPRINKLER TO BE REMOVED</td>
</tr>
<tr>
<td>EX</td>
<td>EXISTING SPRINKLER</td>
</tr>
<tr>
<td>IN</td>
<td>INSTITUTIONAL SPRINKLER HEAD</td>
</tr>
<tr>
<td>INW</td>
<td>INSTITUTIONAL SIDEWALL SPRINKLER</td>
</tr>
<tr>
<td>P</td>
<td>PENDENT SPRINKLER</td>
</tr>
<tr>
<td>D</td>
<td>DUAL PENDENT SPRINKLER</td>
</tr>
<tr>
<td>CS</td>
<td>CAST IRON</td>
</tr>
<tr>
<td>CHROME PLATED</td>
<td></td>
</tr>
<tr>
<td>STEEL</td>
<td></td>
</tr>
<tr>
<td>GALVANIZED</td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>GATE VALVE</td>
</tr>
<tr>
<td>F</td>
<td>FLOW SWITCH</td>
</tr>
<tr>
<td>P</td>
<td>PRESSURE GAUGE</td>
</tr>
<tr>
<td>P</td>
<td>PENDENT SPRINKLER</td>
</tr>
<tr>
<td>W</td>
<td>WINDOW WASH SPRINKLER</td>
</tr>
<tr>
<td>U</td>
<td>UPRIGHT SPRINKLER</td>
</tr>
<tr>
<td>S</td>
<td>SIDEWALL SPRINKLER</td>
</tr>
<tr>
<td>AR</td>
<td>ARMS</td>
</tr>
<tr>
<td>K</td>
<td>KNOB</td>
</tr>
<tr>
<td>T</td>
<td>TERMINAL</td>
</tr>
<tr>
<td>T</td>
<td>TERMINAL</td>
</tr>
<tr>
<td>R</td>
<td>RISER</td>
</tr>
<tr>
<td>D</td>
<td>FLOOR DISTRIBUTION AND/OR STANDPIPE FEED</td>
</tr>
<tr>
<td>F</td>
<td>FIRE SERVICE, MAIN DISTRIBUTION AND/OR BURIED FIRE SERVICE</td>
</tr>
<tr>
<td>C</td>
<td>CONDUIT</td>
</tr>
<tr>
<td>A</td>
<td>ACTUATED</td>
</tr>
<tr>
<td>D</td>
<td>DRAIN</td>
</tr>
<tr>
<td>E</td>
<td>EXTINGUISH</td>
</tr>
<tr>
<td>F</td>
<td>FIRE</td>
</tr>
<tr>
<td>P</td>
<td>PRESSURE</td>
</tr>
<tr>
<td>T</td>
<td>THERM</td>
</tr>
</tbody>
</table>
EXISTING SINK TO BE REMOVED ALONG WITH ALL ASSOCIATED PIPING, P-TRAP, STOPS, FAUCET & CONTROLS. REMOVE EXISTING WASTE PIPING, CUT BACK WITHIN 24" OF ACTIVE MAIN & CAP.
EXISTING GAS TURRET & ASSOCIATED GAS PIPING TO BE REMOVED IN ITS ENTIRETY BACK TO MAIN & CAP.
ETBR 1/2" HW & CW, 3/4" G DROPS. CONTRACTOR TO REMOVE BURIED PIPING FEEDS TO ISLAND SINKS
EXISTING SINK TO BE REMOVED ALONG WITH ALL ASSOCIATED PIPING, PLASTER TRAP, STOPS, FAUCET & CONTROLS. REMOVE EXISTING WASTE & VENT PIPING, CUT BACK WITHIN 24" OF ACTIVE MAIN & CAP. CUT & CAP 1/2" HW & CW PIPING IN THE CEILING OF THE FLOOR BELOW FOR RECONNECTION.
PLUMBING FIXTURE SCHEDULE

1. TYPICAL SCIENCE ADA CLASSROOM SINK
2. PIPE HANGER REQUIREMENTS
3. SINK INSTALLATION WITH EMERGENCY EYEWASH
4. FLOOR CLEANOUT

NOTES:
1. SINK, AND ASSOCIATED TRIM ARE DIAGRAMMATIC AND SHOWN ONLY FOR CLARITY. REFER TO FLOOR PLANS AND SPECIFICATIONS FOR EXACT FIXTURE TYPE.
2. ADA FIXTURES TO BE PROVIDED WITH PIPING GUARDS ON ALL EXPOSED PIPING BELOW SINK IF CABINET NOT PROVIDED.
GENERAL MECHANICAL NOTES

1. HVAC BACKGROUND

2. HVAC DESIGN

3. HVAC INSTALLATION

4. HVAC OPERATIONS

5. HVAC MAINTENANCE

6. HVAC SERVICE

7. HVAC ACCESSORY

8. HVAC REPLACEMENT

9. HVAC SECURITY

10. HVAC SYSTEMS

11. HVAC SAFETY

12. HVAC PERFORMANCE

13. HVAC INTEGRATION

14. HVAC TESTING

15. HVAC INSPECTION

16. HVAC AUDITS

17. HVAC SURVEYS

18. HVAC SURVEYING

19. HVAC SURVEYOR

20. HVAC SURVEYORS

21. HVAC SURVEYS

22. HVAC SURVEY

23. HVAC SURVEYING

24. HVAC SURVEYORS

25. HVAC SURVEY

26. HVAC SURVEYING

27. HVAC SURVEYORS

28. HVAC SURVEY

29. HVAC SURVEYING

30. HVAC SURVEYORS

31. HVAC SURVEY

32. HVAC SURVEYING

33. HVAC SURVEYORS

34. HVAC SURVEY

35. HVAC SURVEYING

36. HVAC SURVEYORS

37. HVAC SURVEY

38. HVAC SURVEYING

39. HVAC SURVEYORS

40. HVAC SURVEY

41. HVAC SURVEYING

42. HVAC SURVEYORS

43. HVAC SURVEY

44. HVAC SURVEYING

45. HVAC SURVEYORS

46. HVAC SURVEY

47. HVAC SURVEYING

48. HVAC SURVEYORS

49. HVAC SURVEY

50. HVAC SURVEYING

51. HVAC SURVEYORS

52. HVAC SURVEY

53. HVAC SURVEYING

54. HVAC SURVEYORS

55. HVAC SURVEY

56. HVAC SURVEYING

57. HVAC SURVEYORS

58. HVAC SURVEY

59. HVAC SURVEYING

60. HVAC SURVEYORS

61. HVAC SURVEY

62. HVAC SURVEYING

63. HVAC SURVEYORS

64. HVAC SURVEY

65. HVAC SURVEYING

66. HVAC SURVEYORS

67. HVAC SURVEY

68. HVAC SURVEYING

69. HVAC SURVEYORS

70. HVAC SURVEY

71. HVAC SURVEYING

72. HVAC SURVEYORS

73. HVAC SURVEY

74. HVAC SURVEYING

75. HVAC SURVEYORS

76. HVAC SURVEY

77. HVAC SURVEYING

78. HVAC SURVEYORS

79. HVAC SURVEY

80. HVAC SURVEYING

81. HVAC SURVEYORS

82. HVAC SURVEY

83. HVAC SURVEYING

84. HVAC SURVEYORS

85. HVAC SURVEY

86. HVAC SURVEYING

87. HVAC SURVEYORS

88. HVAC SURVEY

89. HVAC SURVEYING

90. HVAC SURVEYORS

91. HVAC SURVEY

92. HVAC SURVEYING

93. HVAC SURVEYORS

94. HVAC SURVEY

95. HVAC SURVEYING

96. HVAC SURVEYORS

97. HVAC SURVEY

98. HVAC SURVEYING

99. HVAC SURVEYORS

100. HVAC SURVEY
REMOVE EXISTING UNIT VENTILATOR. EXISTING PIPING TO REMAIN & BE REUSED. REFER TO RENOVATION PLANS.

1. REMOVE EXISTING THERMOSTAT & CONTROL WIRING.
REMOVE EXISTING UNIT VENTILATOR. EXISTING PIPING TO REMAIN & BE REUSED. REFER TO RENOVATION PLANS.

REMOVE EXISTING THERMOSTAT & CONTROL WIRING.
Classroom Unit Ventilators shall be furnished as "Digital Ready" or "DDC Ready", which means the EAF modulates to maintain unoccupied heating discharge temperature set point. In the event of a freeze protection, the low temperature detector, furnished by the manufacturer, is automatic reset type. Occupied: Supply fan will run continuously. Outdoor air damper modulates (in conjunction with the return air dampers modulates to maintain room temperature set point. If outdoor air is greater than 40°F, face & bypass dampers position for full flow across the heating coil. Unoccupied: When the room temperature sensors in the area served by the associated UV drop below 60°F, exhaust fan shall stop and the heating coil valve opens 100%. An alarm is indicated at the workstation. When the room temperature sensors in the area served by the associated UV rise above 60°F, the exhaust fan shall be de-energized, the outside air damper and exhaust air damper shall remain 100% closed. Cooling Cycle - "Morning Cool-down": 1. The condenser shall engage. The ductless cooling units shall engage. The onboard controls shall determine the optimal fan speed to bring space down to occupied set point. Outside air damper remains closed. 2. Economizer control shall use outside air for cooling requirements on sensing that the outside air damper position. 3. On sensing that ambient air is not appropriate to meet the requirements, the DX heating system shall be locked out. Above 17°F DX heating system shall be enabled and the back-up electric coil shall be locked out. 4. Hot water control valve shall remain 30% open whenever unit is off and outdoor ambient temperature is above 40°F. 5. Provide a static pressure controller two-thirds (2/3) of the distance downstream in the section. Discharge Air Temperature Reset Control: If the supply fan status is not indicated within 30 sec of start command, a fan failure alarm is generated. If the condenser does not engage within 30 secs. Low temperature detector below 35°F. Discharge air temperature is +/- 5°F form set point during occupied mode. Static Safeties: Return duct low static pressure safety will stop supply and return fans, close outdoor/exhaust dampers and open heating coil valve 100% when pressure exceeds set point. Alarms: The following alarms will annunciate at the workstation: 1. Dirty filter alarm is generated. 2. Economizer control shall use outside air for cooling requirements on sensing that the air handler modulates (in conjunction with the return air dampers modulates to maintain room temperature set point. If outdoor air is greater than 40°F, face & bypass dampers position for full flow across the coil and heating coil valve remains closed. Demand Controlled Ventilation: 1. If the supply fan status is not indicated within 30 sec of start command, a fan failure alarm is generated. 2. If the condenser does not engage within 30 secs. 3. Low temperature detector below 35°F. 4. Discharge air temperature is +/- 5°F from set point during occupied mode. 5. The supply fan shall run continuously. The outdoor air damper modulates to maintain unoccupied heating discharge temperature set point of 60°F. If outdoor air is greater than 40°F, face & bypass dampers position for full flow across the heating coil and heating coil valve remains closed.
### LED Lighting Fixture Schedule

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Location</th>
<th>Current</th>
<th>Voltage</th>
<th>Dimming %</th>
</tr>
</thead>
</table>

### Notes
- All fixtures shall be specified and furnished by the manufacturer, with appropriate accessories and mounting hardware.
- All fixtures shall be UL listed and cUL listed as required by local codes.
- All fixtures shall be furnished with appropriate mounting hardware and accessories as specified.
- All fixtures shall be installed in accordance with the manufacturer's instructions.
- All fixtures shall be tested and approved by the local authority having jurisdiction.
- All fixtures shall be installed in accordance with the National Electrical Code (NEC) and local codes.
- All fixtures shall be supplied with appropriate electrical connections as specified.
- All fixtures shall be installed with appropriate protection against electrical shock and fire hazards.
- All fixtures shall be installed with appropriate protection against mechanical damage.
- All fixtures shall be installed with appropriate protection against exposure to extreme temperatures.
- All fixtures shall be installed with appropriate protection against exposure to moisture.
- All fixtures shall be installed with appropriate protection against exposure to Corrosive Agents.
- All fixtures shall be installed with appropriate protection against exposure to Vandalism.
- All fixtures shall be installed with appropriate protection against exposure to extreme UV radiation.
- All fixtures shall be installed with appropriate protection against exposure to extreme vibrations.
- All fixtures shall be installed with appropriate protection against exposure to extreme pressures.
- All fixtures shall be installed with appropriate protection against exposure to extreme biochemical agents.
ELECTRICAL ENLARGED SCIENCE CLASSROOMS DEMO LIGHTING PLAN

1/4" = 1'-0"

ED1.12
ELECTRICAL SUBCONTRACTOR SHALL MAINTAIN EXISTING LIGHTING BRANCH CIRCUIT FOR CONNECTION TO NEW LIGHTING FIXTURES BEING INSTALLED.
ELECTRICAL SUBCONTRACTOR SHALL REWIRE EXISTING LIGHTING FIXTURES IN ROOM TO NEW LIGHTING CONTROLS IN ROOM.

ELECTRICAL SUBCONTRACTOR SHALL REWIRE EXISTING LIGHTING FIXTURE TO EXISTING STAIR 3-WAY SWITCH CONTROL.

ELECTRICAL SUBCONTRACTOR SHALL CONNECT NEW EXIT SIGN TO EXISTING EMERGENCY LIGHTING CIRCUIT ALREADY SERVING THE AREA.
1. ELECTRICAL SUBCONTRACTOR SHALL PROVIDE WIRING AS REQUIRED PER APPROVED MECHANICAL SHOP DRAWING VIA 3/4" C FROM THE TERMINAL BLOCK OF EACH CONDENSING UNIT TO THE TERMINAL BLOCK OF ITS ASSOCIATED DUCTLESS FAN COIL.
SCOPE OF WORK AREA

SWITCHBOARD
NEW PANEL PP1

FIRE ALARM CONTROL PANEL

179 FORBES STREET,
RIVERSIDE, RI 02915

100% CONSTRUCTION DOCUMENTS

E3.01

ELECTRICAL
OVERALL PART PLANS
FIRE ALARM RISER DIAGRAM NOTES:

1. ALL FIRE ALARM WIRING SHALL BE 2#14 IN CONDUIT, UNLESS OTHERWISE NOTED.

2. THIS FIRE ALARM RISER DIAGRAM IS TYPICAL. REFER TO PLANS FOR QUANTITIES AND LOCATIONS OF DEVICES AND ADDITIONAL REQUIREMENTS. PROVIDE ALL PARTS, MATERIALS, ETC. FOR A FULLY FUNCTIONAL SYSTEM.

3. FIRE ALARM WIRING SHALL BE CONTINUOUS FROM DEVICE TO DEVICE.

4. DEVICE OUTGOING AND RETURN WIRING SHALL RUN IN SEPARATE RACEWAYS.

5. PROVIDE GRAPHIC FRAMED FLOOR PLANS OF EACH FLOOR INDICATING ALL FIRE ALARM INITIATING DEVICES (PULL STATIONS, SMOKE DETECTORS, HEAT DETECTORS, WATER FLOW SWITCH, TAMPER SWITCH, ETC.). INDICATE YOU ARE HERE ON FIRST FLOOR PLAN. ORIENTATE FLOOR PLANS ACCORDINGLY. HIGHLIGHT LOCATIONS OF ALL STAIRS, ELEVATORS, AND SPRINKLER ROOM. INDICATE LOCATION OF MASTER BOX. INDICATE VIA RED DOT FIRE DEPARTMENT HOSE VALVE CONNECTION. INDICATE FIRE PUMPER CONNECTIONS. GRAPHIC FLOOR PLANS SHALL BE MOUNTED ADJACENT TO FIRE ALARM CONTROL PANEL AND ANNUNCIATORS.

6. WHERE EXISTING FIRE ALARM DEVICES ARE BEING REMOVED AND RELOCATED AS SHOWN ON ELECTRICAL DEMOLITION AND RENOVATION PLANS AND WHERE ADDITIONAL FIRE ALARM DEVICES ARE ADDED TO EXISTING FIRE ALARM INITIATION OR NOTIFICATION CIRCUITS, PROVIDE TERMINAL STRIPS TO EXTEND EXISTING CIRCUIT WIRING TO NEW DEVICE LOCATION FROM EXISTING DEVICE LOCATION. PROVIDE TERMINAL STRIPS INSIDE A TAMPER PROOF LOCKABLE JUNCTION BOX. ALL TERMINAL STRIP AND FIRE ALARM JUNCTION BOXES SHALL BE PAINTED RED.

7. PROVIDE ISOLATION MODULES PER EVERY 25 DEVICES AND EACH FLOOR MINIMUM. LOOPS SHALL BE ISOLATED FROM EACH OTHER.

8. WHERE POWER EXPANDER UNITS ARE REQUIRED, PROVIDE SMOKE DETECTORS FOR SURVIVABILITY TO ACTIVATE POWER EXPANDER UNIT. CONNECT TO EXISTING FACP CIRCUIT. FPS SHALL BE LOCATED ADJACENT TO THE FACP, UNLESS OTHERWISE NOTED ON THE DRAWINGS.

WHERE POWER EXPANDER UNITS ARE REQUIRED, PROVIDE SMOKE DETECTORS FOR SURVIVABILITY TO ACTIVATE POWER EXPANDER UNIT. CONNECT TO EXISTING FACP CIRCUIT. FPS SHALL BE LOCATED ADJACENT TO THE FACP, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
### PANELBOARD: PP1

<table>
<thead>
<tr>
<th>No.</th>
<th>Ckt.</th>
<th>Size</th>
<th>Load Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PP1 400 A 208Y/120, 3PH, 4W, 60HZ**

**SPACE**

**RECEPTACLES**

**MOUNTING:** SURFACE MOUNTED ISOLATED GROUND (IG) = ISOLATED GROUND

### PANELBOARD: U (EXISTING)

<table>
<thead>
<tr>
<th>No.</th>
<th>Ckt.</th>
<th>Size</th>
<th>Load Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**U 100 A 208Y/120, 3PH, 4W, 60HZ**

**SPACE**

**RECEPTACLES**

**MOUNTING:** SURFACE MOUNTED ISOLATED GROUND (IG) = ISOLATED GROUND

### PANELBOARD: W (EXISTING)

<table>
<thead>
<tr>
<th>No.</th>
<th>Ckt.</th>
<th>Size</th>
<th>Load Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**W 100 A 208Y/120, 3PH, 4W, 60HZ**

**SPACE**

**RECEPTACLES**

**MOUNTING:** SURFACE MOUNTED ISOLATED GROUND (IG) = ISOLATED GROUND

### PANELBOARD: V (EXISTING)

<table>
<thead>
<tr>
<th>No.</th>
<th>Ckt.</th>
<th>Size</th>
<th>Load Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**V 100 A 208Y/120, 3PH, 4W, 60HZ**

**SPACE**

**RECEPTACLES**

**MOUNTING:** SURFACE MOUNTED ISOLATED GROUND (IG) = ISOLATED GROUND

### PANELBOARD: X (EXISTING)

<table>
<thead>
<tr>
<th>No.</th>
<th>Ckt.</th>
<th>Size</th>
<th>Load Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**X 100 A 208Y/120, 3PH, 4W, 60HZ**

**SPACE**

**RECEPTACLES**

**MOUNTING:** SURFACE MOUNTED ISOLATED GROUND (IG) = ISOLATED GROUND

---

**FEED THRU LUGS**
- P = GFPE - 30mA TRIP
- A = ARC FAULT CIRCUIT BREAKER
- G = GFCI - 5mA TRIP

**MAINS TYPE**
- MAIN CIRCUIT BREAKER 200% RATED NEUTRAL (N) = PROVIDE NEW CB
- 100% RATED MAIN BREAKER (G) = GFCI - 5mA TRIP

**SHUNT TRIP MAIN LC**
- VIA LIGHTING CONTROL PANEL

**SURGE PROTECTION DEVICE**
- 3 = 3W + G

**PROVIDE**
- 2 WIRE + GROUND U.O.N.
- 3 WIRES + GROUND, U.O.N.

**NOTES**
- Provide 2 circuits for RTU-2.

---

**EXISTING LOAD**
- 508-295-0003 (F)
- www.ai3architects.com Copyright © 2021 Ai3 Architects, LLC
LIGHTING CONTROL DETAIL

GENERAL NOTES:
1. Catalog numbers indicated are as manufactured by Watt Stopper DLM. Lighting control shall be by Watt Stopper DLM or equal.
2. Provide all equipment, cabling, etc. as indicated on this detail. Refer to lighting plans for locations of occupancy sensors, photo sensors, low voltage digital wall switches, and low voltage digital dimming wall switches.
3. Category 5e cabling shall be provided by Watt Stopper DLM or equal.
4. Refer to floor plans for exact quantity of sensors and switches required for each space.

SEQUENCE OF OPERATION:
1. When occupants enter the room, lighting fixtures in the room need to be manually turned on via low voltage digital dimming switches.
2. If all lighting fixtures in the room are on, lighting fixtures in daylight harvesting zones will be automatically dimmed via photo sensor, depending on natural light in the space.
3. Lighting fixtures in the room can be manually dimmed via low voltage digital dimming switches.
4. If the occupants leave the room, after 15 minutes all lighting fixtures will shut off via occupancy sensors.

DRAWING NUMBER: 1903.03
DATE: September 15, 2023
1.5" CONDUIT FROM CHASE TURNED OUT TO SPACE ABOVE PROJECTOR LIFT FOR CABLE PATH FROM HDMI TRANSMITTER NEAR PROJECTOR SCREEN.

PROJECTOR LIFT LOCATION NOTE DIMENSION ORIENTATION

LIFT LONG DIMENSION LIFT SHORT DIMENSION

SURFACE MOUNTED D4 AT 9'-9" ON INNER BALCONY WALL IN LIFT ALCOVE.

10' AFF

2'-0" AFF

REMOVE ALL EXISTING DATA, VOICE AND WAP CABLING AND SURFACE MOUNTED RACEWAY AND RELATED BACK BOXES IN ROOMS. REMOVE CABLING ALL THE WAY BACK TO THE LOCAL IDF AND REMOVE CABLING FROM PATCH PANELS IN IDF WHERE CABLES ORIGINATE. FURNISH AND INSTALL ALL NEW CAT6A CABLING FROM IDF IN SURFACE MOUNTED 1" EMT CONDUIT WITH TWO GANG BACK BOX AND APPROPRIATE FACEPLATES.

DO NOT REMOVE ANY PA OR CLOCK CABLING

DUAL CHANNEL POLE MOUNT BY 260000 FROM CEILING TO FURNITURE FOR DATA AND POWER

2 DATA POLE MOUNTED ABOVE COUNTERTOP

REMOVE ALL EXISTING DATA VOICE AND WAP CABLING AND RELATED SURFACE MOUNTED RACEWAY AND BACK BOXES IN ROOM. REMOVE CABLING ALL THE WAY BACK TO THE LOCAL IDF ON SECOND FLOOR OF MEDIA CENTER. REMOVE CABLING FROM PATCH PANELS IN IDF WHERE CABLES ORIGINATE. IN FLOOR BOX LOCATIONS, REMOVE ALL CABLING BACK TO THE IDF AND LEAVE PULL STRINGS FROM THE FLOOR BOX TO THE IDF. LABEL PULL STRINGS WITH FLOOR BOX LOCATION IN IDF. FURNISH AND INSTALL ALL NEW CAT6A CABLING FROM IDF IN SURFACE MOUNTED 1" EMT CONDUIT WITH TWO GANG BACK BOX AND APPROPRIATE FACEPLATES UNLESS POLE MOUNTED. IF POLE MOUNTED, INSTALL IN POLE MOUNT SUPPLIED BY ELECTRICAL SUBCONTRACTOR WITH APPROPRIATE DATA JACKS. COORDINATE WITH ELECTRICAL SUBCONTRACTOR. DO NOT INSTALL ANY CABLING IN EXISTING FLOOR BOXES AFTER FLOOR BOX DATA IS REMOVED. DO NOT REMOVE ANY PA OR CLOCK CABLING OR ANY CABLING TERMINATING IN THE IDF FROM OUTSIDE THE SCIENCE ROOMS OR MEDIA CENTER.

DUAL CHANNEL POWER/DATA POLE BY 260000 FROM CEILING TO KNEE WALLS FOR DATA AND POWER ON WALLS
HDMI VIDEO/AUDIO TRANSMITTER OVER SHIELDED TWISTED PAIR TO RECEIVER UNIT AT LOCAL PROJECTOR FOR LAPTOP DISPLAY USE CAT 6 SHIELDED CABLING.

4 DATA JACKS TO LOCAL IDF/MDF

DATA / VOICE / AV OTHER NOTES:

*ALL CABLING CAT 6A UNLESS NOTED OTHERWISE, EIA/TIA 568B TERMINATION STANDARD
*ALL UNUSED FACEPLATE PORTS SHALL HAVE A BLANK INSERT INSTALLED. NO PORTS ON ANY FACEPLATE SHALL BE LEFT OPEN.

ROOM NAME ROOM # QTY.
SCIENCE CLASSROOM 119 1
SCIENCE CLASSROOM 118 1
SCIENCE CLASSROOM 117 1
SCIENCE CLASSROOM 116 1
SCIENCE CLASSROOM 211 1
SCIENCE CLASSROOM 209 1
SMALL GROUP COLLAB 242D 1
GRAND TOTAL 7