

VALLEY CENTRAL SCHOOL DISTRICT

VALLEY CENTRAL HIGH SCHOOL

ART ROOM AND WOODSHOP ALTERATIONS

BID SET - 10/31/23

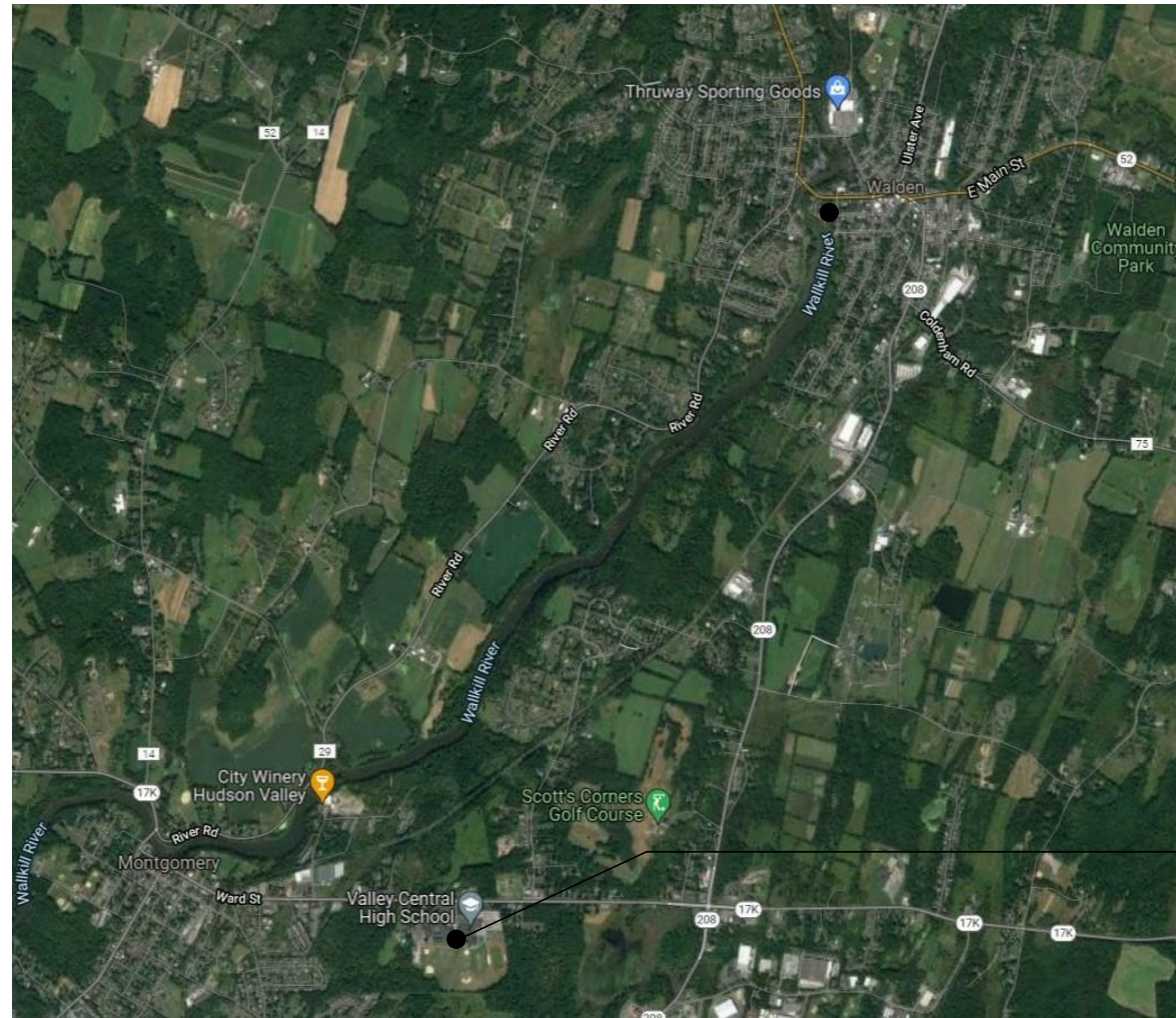
CSARCH - ARCHITECTS

BLAKE ENGINEERING, PLLC - MEP ENGINEERS

STATE EDUCATION DEPARTMENT PROJECT CONTROL NUMBERS:
2021 CAPITAL PROJECT
HIGH SCHOOL: 44-13-01-06-0-015-031

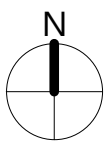
THE DESIGN OF THIS PROJECT CONFORMS TO APPLICABLE PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AND THE MANUAL OF PLANNING STANDARDS OF THE NEW YORK STATE EDUCATION DEPARTMENT.

CSArch PROJECT NO. 187-2103



VICINITY MAP

NTS



DRAWING LIST	
GENERAL DRAWINGS	
G001	SYMBOLS, ABBREVIATIONS, AND MISC
ASBESTOS ABATEMENT	
HM100	ASBESTOS ABATEMENT ACTIVITIES
ARCHITECTURAL DEMOLITION DRAWINGS	
AD101	FIRST FLOOR PARTIAL DEMOLITION PLANS
AD102	ART ROOM DEMOLITION PLAN & ELEVATIONS
AD103	WORK SHOP ROOM DEMOLITION PLANS & ELEVATIONS
ARCHITECTURAL DRAWINGS	
A101	FIRST FLOOR PARTIAL PLAN - ARTS / INDUSTRIAL ARTS
A601	ENLARGED PLANS AND INTERIOR DETAILS - ART CLASSROOM
A602	ENLARGED PLANS & AXONOMETRIC - IND. ARTS
A603	INTERIOR ELEVATIONS - INDUSTRIAL ARTS
A604	TYPICAL EQUIPMENT PLANS, ELEVATIONS AND DETAILS
A651	CASEWORK DETAILS
A901	DOOR SCHEDULE, ELEVATIONS, AND DETAILS
ALT100	ADD ALTERNATE #1
PLUMBING GENERAL	
PG001	PLUMBING NOTES, SCHEDULE, LEGEND & DETAILS
PLUMBING DRAWINGS	
P101	ART CLASSROOM PLUMBING PLANS
P102	INDUSTRIAL ARTS PLUMBING PLANS
MECHANICAL GENERAL	
MG001	MECHANICAL NOTES, LEGEND, SCHEDULE & DETAILS
MECHANICAL DRAWINGS	
M102	INDUSTRIAL ARTS MECHANICAL PLANS
ELECTRICAL GENERAL	
EG001	ELECTRICAL NOTES, LEGEND, DETAILS & SCHEDULES
ELECTRICAL DRAWINGS	
E101	ART CLASSROOM ELECTRICAL PLANS
E102	INDUSTRIAL ARTS ELECTRICAL PLANS

VALLEY CENTRAL HIGH SCHOOL
MIDDLE SCHOOL
1175 NY-17K
MONTGOMERY, NY 12549

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
ADA	AMERICANS WITH DISABILITIES ACT
ADD	ADDENDUM
ADMIN	ADMINISTRATIVE
AF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECT / ARCHITECTURAL
AV	AUDIO / VISUAL
BLDG	BUILDING
BOT OR B/	BOTTOM OF
BSMT	BASEMENT
C/J	CONTROL / CONSTRUCTION JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONT	CONTINUOUS
COORD	COORDINATE
CORR	CORRIDOR
DEMO	DEMOLITION
DET	DETAIL
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
ED	EDUCATION
EIFS	EXTERIOR INSULATION FINISH SYSTEM
ELECT	ELECTRIC / ELECTRICAL
ELEV	ELEVATION
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ	EQUAL
EQUIP	EQUIPMENT
EXST	EXISTING
EJ	EXPANSION JOINT
EXT	EXTERIOR
FIN	FINISH
FIN FL	FINISH FLOOR
FIXT	FIXTURE
FLR	FLOOR
FRT	FIRE-RETARDANT-TREATED MATERIAL
FTG	FOOTING
G	GROUND
GA	GAUGE
GAL	GALLONS
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GWB	GYPSUM WALL BOARD
GWSB	GYPSUM WALL BOARD SOFFIT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HTG	HEATING
HVAC	HEATING/VENTILATING/AIR CONDITIONING
ID	INSIDE DIMENSION
IN	INCH
INT	INTERIOR
JAN	JANITOR
JC	JANITOR'S CLOSET
JST	JOIST
JT	JOINT
LAB	LABORATORY
LB	POUND
LIN	LINEAR
LVL	LEVEL
MAN	MANUAL
MAS	MASONRY
MAX	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MD	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTL	METAL
NA	NOT APPLICABLE
NC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPT	OPTIONAL
OVR	OVERALL
OZ	OUNCE
PERM	PERIMETER
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLAS	PLASTER
PLYMD	PLYWOOD
PNL	PANEL
PNT	PAINT
POLYISO	POLYISOCYANURATE
PPT	PRESSURE PRESERVATIVE TREATED
PR	PAIR
PREP	PREPARATORY
FTN	PARTITION
PVC	POLYVINYL CHLORIDE
RAD	RADIUS
REQD	REQUIRED
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
SCH	SCHEDULED
SECT	SECTION
SF	SQUARE FEET
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION GLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL / STRUCTURE
SUSP	SUSPENDED
SAG	SUSPENDED ACOUSTICAL CEILING
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TECH	TECHNOLOGY
TEMP	TEMPORARY
TMFD	TEMPERED
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TYF	TYPICAL
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
N/A	N/A
N/O	NITROGEN
NO	WOOD
NPT	WOOD PRESERVED-TREATED MATERIAL
NST	NEIGHT
YD	YARD

ARCHITECTURAL LEGEND

MATERIAL INDICATIONS

EARTH

GRANULAR FILL

BRICK

CONCRETE MASONRY UNIT

CONCRETE

GROUT

ROUGH WOOD BLOCKING

SHIM

FINISH WOOD

PLYWOOD

SHEATHING

RIGID INSULATION

BATT INSULATION

SPRAY FOAM INSULATION

EPS INSULATION

STEEL

DIMENSIONING CONVENTIONS

FACE OF STUD OR CMU

COLUMN CENTER LINE

SYMBOLS

CLASSROOM

ROOM NAME

ROOM NUMBER

AREA OF ROOM

DOOR NUMBER, REFER TO A100 DRAWINGS

WINDOW TAG, REFER TO A100 DRAWINGS

BORROWED LIGHT NUMBER, REFER TO A100 DRAWINGS

STOREFRONT / CURTAINWALL NUMBER, REFER TO A100 DRAWINGS

COLUMN GRID DESIGNATION

PARTITION TAG, REFER TO A100 DRAWINGS

HOOR RATING OF PARTITION

ADDITIONAL NOTES FOR PARTITION

REVISION NUMBER

KEY NOTE, NEW WORK

KEY NOTE, DEMOLITION WORK

ELEVATION TAG

HANDICAPPED ACCESSIBLE ELEMENT OR FIXTURE

INTERIOR FINISH TAG, REFER TO AF100 DRAWINGS

DETAIL INDICATOR LEGEND

SECTION INDICATOR

DRAWING SHEET NUMBER

SECTION IS DRAWN ON

SECTION NUMBER

DIRECTION OF VIEW

DETAIL INDICATOR (SECTION)

DRAWING SHEET NUMBER

SECTION IS DRAWN ON

SECTION NUMBER

DIRECTION OF VIEW

ENLARGED DETAIL INDICATOR

DRAWING AREA REQUIRING DETAIL

DETAIL NUMBER

DRAWING SHEET NUMBER

DETAIL IS DRAWN ON

DETAIL TITLE

DETAIL NUMBER

DETAIL TYPE / NAME

SCALE

DRAWING SHEET NUMBER

EXTERIOR ELEVATION INDICATOR

DIRECTION OF VIEW

ELEVATION NUMBER

DRAWING SHEET NUMBER

NUMBER DETAIL IS DRAWN ON

INTERIOR ELEVATION INDICATOR

BLANK ARROW INDICATES ELEVATIONS NOT DETAILED

ELEVATION NUMBER

DIRECTION OF VIEWS

DRAWING SHEET NUMBER

DETAIL IS DRAWN ON

PLAN GRAPHICS LEGEND

EXISTING CONSTRUCTION TO REMAIN

EXISTING CONSTRUCTION TO BE REMOVED

NEW CONCRETE MASONRY WALL

NEW METAL STUD WALL

NEW BRICK VENEER

EXISTING DOOR TO REMAIN

EXISTING DOOR TO BE REMOVED

NEW DOOR

FINISHED DOOR OPENINGS SHALL BE LOCATED AS INDICATED BELOW UNO. DIMENSIONS SHOWN ARE CLEAR DIMENSIONS FROM INSIDE OF FRAME TO WALL FINISH.

18' MIN

6'

12"

GENERAL NOTES

1. DIMENSIONS ARE GIVEN THUS (UNLESS NOTED OTHERWISE)

A. TO FACE OF MASONRY WALL

B. TO FACE OF METAL STUD

C. TO COLUMN CENTERLINES

D. TO FINISH FACE OF SOFFIT OR CEILING

E. FACE OF EXISTING CONSTRUCTION

2. DO NOT SCALE DRAWINGS. IF A DIMENSION IS NOT SHOWN, BRING IT TO THE ATTENTION OF THE ARCHITECT FOR VERIFICATION BEFORE PROCEEDING WITH THE ASSOCIATED WORK.

3. WALLS ON COLUMN LINES ARE CENTERED, UNO

4. ALL DIMENSIONS RELATED TO EXISTING CONDITIONS SHALL BE VERIFIED IN FIELD. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK IN THAT AREA.

5. LAYOUT OF TOILET FIXTURES AND ACCESSIBILITY CLEARANCES ARE SHOWN AS CLEAR DIMENSION. CONTRACTORS ARE REQUIRED TO COORDINATE LAYOUTS OF PARTITIONS, UTILITY CONNECTIONS, AND THICKNESS OF FINISHES TO ALLOW THESE CLEAR DIMENSIONS.

6. ALL ELEVATIONS (X'-X") ARE REFERENCE FROM FIRST FLOOR ELEVATION

7. ALL WOOD BLOCKING WITHIN ROOFING SYSTEM AND WITHIN 2'-0" OF GRADE SHALL BE PRESSURE TREATED

8. ALL FLOOR PENETRATIONS SHALL BE SMOKE-SEALED AND /OR FIRE STOPPED. COORDINATE WITH H DWGS FOR SMOKE / FIRE DAMPER REQUIREMENTS.

9. FOR INTERIOR PARTITION TYPES, REFER TO DRAWING A101

10. FOR DOOR SCHEDULE, REFER TO DRAWING A101

11. FOR FINISH SCHEDULE, REFER TO DRAWING AF101

12. ALL EXPOSED SURFACES OF NEW PARTITIONS AND SOFFITS ARE TO BE FINISHED.

13. PROVIDE PATCH TO MATCH EXISTING FINISHES AT ALL WALL REMOVAL AREAS, COORDINATE WITH DEMOLITION DRAWINGS AND SPECIFICATIONS.

14. FOR ALL MATERIAL TESTING, REFER TO SPECIFICATION DIVISION 050520

15. ALL CONSTRUCTION SHOWN IS NEW UNLESS NOTED OTHERWISE



REV	DATE	DESCRIPTION

Drawn By:	
Checked By:	
Proj. #:	44-13-01-86-0-015-031
CSArch Proj. #:	187-2103
Issued for Bid:	10/31/2023

Sheet Title

SYMBOLS, ABBREVIATIONS, AND MISC

Sheet No.

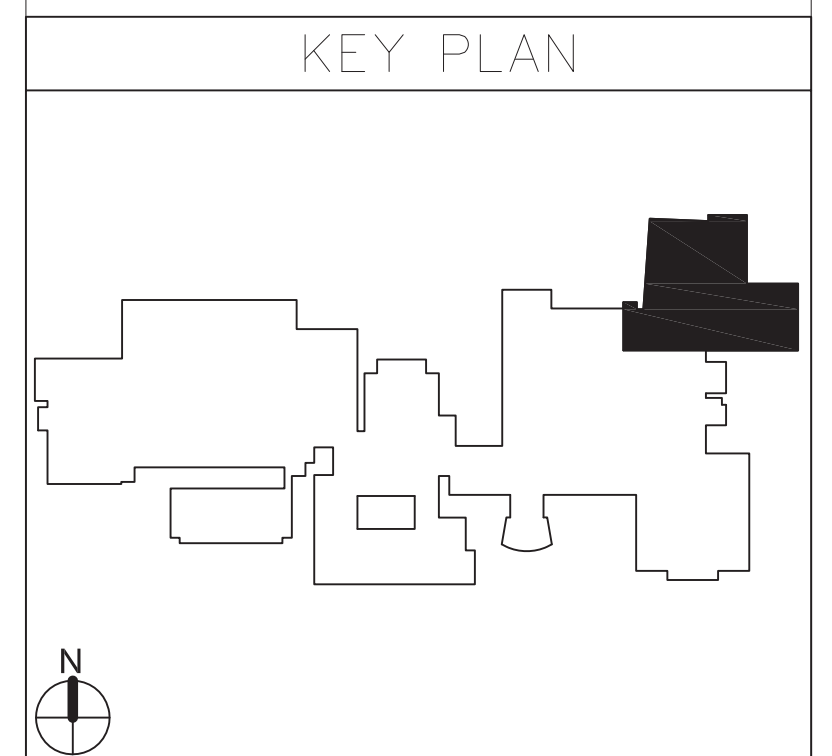
HSMS
G001

CONSTRUCTION DOCUMENTS

1. CONTRACTOR TO PROTECT THEIR EMPLOYEES WITH ADEQUATE PERSONAL PROTECTIVE EQUIPMENT AT ALL TIMES, WHEN PERFORMING WORK ON THIS PROJECT.
2. DISTRICT TO PROVIDE WATER SUPPLY AND ELECTRICAL POWER SOURCE ON THIS PROJECT TO CONDUCT WORK ACTIVITIES. CONTRACTOR TO PROVIDE ALL INTERCONNECTS FOR WATER/POWER AND TO ENSURE THAT ALL TEMPORARY WATER/POWER SOURCES ARE PROPERLY INSTALLED BY A LICENSED PLUMBER/ELECTRICIAN.
3. CONTRACTOR'S EMPLOYEES SHALL WEAR PROTECTIVE SUITS AND HALF-FACE RESPIRATORS (AT A MINIMUM) AT ALL TIMES, WHILE PERFORMING ASBESTOS ABATEMENT REGARDLESS OF ANY NEGATIVE EXPOSURE ASSESSMENT REPORTS/DATA.

1. CONTRACTOR SHALL OBSERVE ALL FEDERAL, STATE, AND LOCAL REGULATIONS GOVERNING ASBESTOS ABATEMENT.
2. THE SCOPE OF ABATEMENT WORK INVOLVES THE REMOVAL OF ASBESTOS-CONTAINING MATERIAL FROM THE AREA INDICATED ON HM-100.
3. THE CONTRACTOR ASSUMES THE RESPONSIBILITY FOR THE MEANS AND METHODS UTILIZED TO COMPLETE THE PROJECT IN A TIMELY, PROFESSIONAL, LEGAL, AND SAFE MANNER.
4. THE CONTRACTOR ACKNOWLEDGES THAT THE PROVIDED DRAWING MAY NOT BE TO SCALE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ATTEND A PRE-BID WALKTHROUGH AND SATISFY THEMSELVES OF THE QUANTITY OF ASBESTOS-CONTAINING MATERIAL THAT THEY SHALL BE CONTRACTUALLY OBLIGATED TO HANDLE AND DISPOSE OF ON THIS PROJECT.
5. CONTAMINATION ENCLOSURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF NYSDEC ICR 56. THE LOCATIONS OF THESE ENCLOSURES, STAGING AREAS, WASTE DUMPSTERS / TRAILERS / VEHICLES, POWER AND WATER SOURCES SHALL BE IDENTIFIED TO DISTRICT REPRESENTATIVES AND THE PROJECT DESIGNER SEVENTY-TWO (72) HOURS PRIOR TO THE COMMENCEMENT OF ANY ACTIVITIES ON-SITE. THE CONTRACTOR ACCEPTS THAT DISTRICT REPRESENTATIVES AND THE PROJECT DESIGNER MAY MODIFY THIS PLAN FOR ANY REASON DEEMED NECESSARY. THE CONTRACTOR MAY NOT PROCEED WITH ABATEMENT ACTIVITIES UNTIL THEY HAVE THE APPROVAL OF DISTRICT REPRESENTATIVES AND PROJECT DESIGNER.
6. THE DISTRICT (OR THEIR DESIGNATED PERSONNEL) SHALL BE RESPONSIBLE FOR HIRING THE PROJECT MONITORING FIRM ON THIS PROJECT. THE CONTRACTOR SHALL RECOGNIZE THE SELECTED FIRM'S PERSONNEL AS THE DISTRICT'S REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COLLECTION OF PERSONAL AIR SAMPLES FOR THEIR EMPLOYEES DURING THIS PROJECT.
7. CONTRACTOR SHALL COORDINATE/SCHEDULE ALL WORK WITH THE MONITORING FIRM.

⑤ ASBESTOS-CONTAINING SINK BASIN MASTIC
TO BE REMOVED (APPROX. 6 SF)



VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
FIRST FLOOR - ASBESTOS ABATEMENT ACTIVITIES

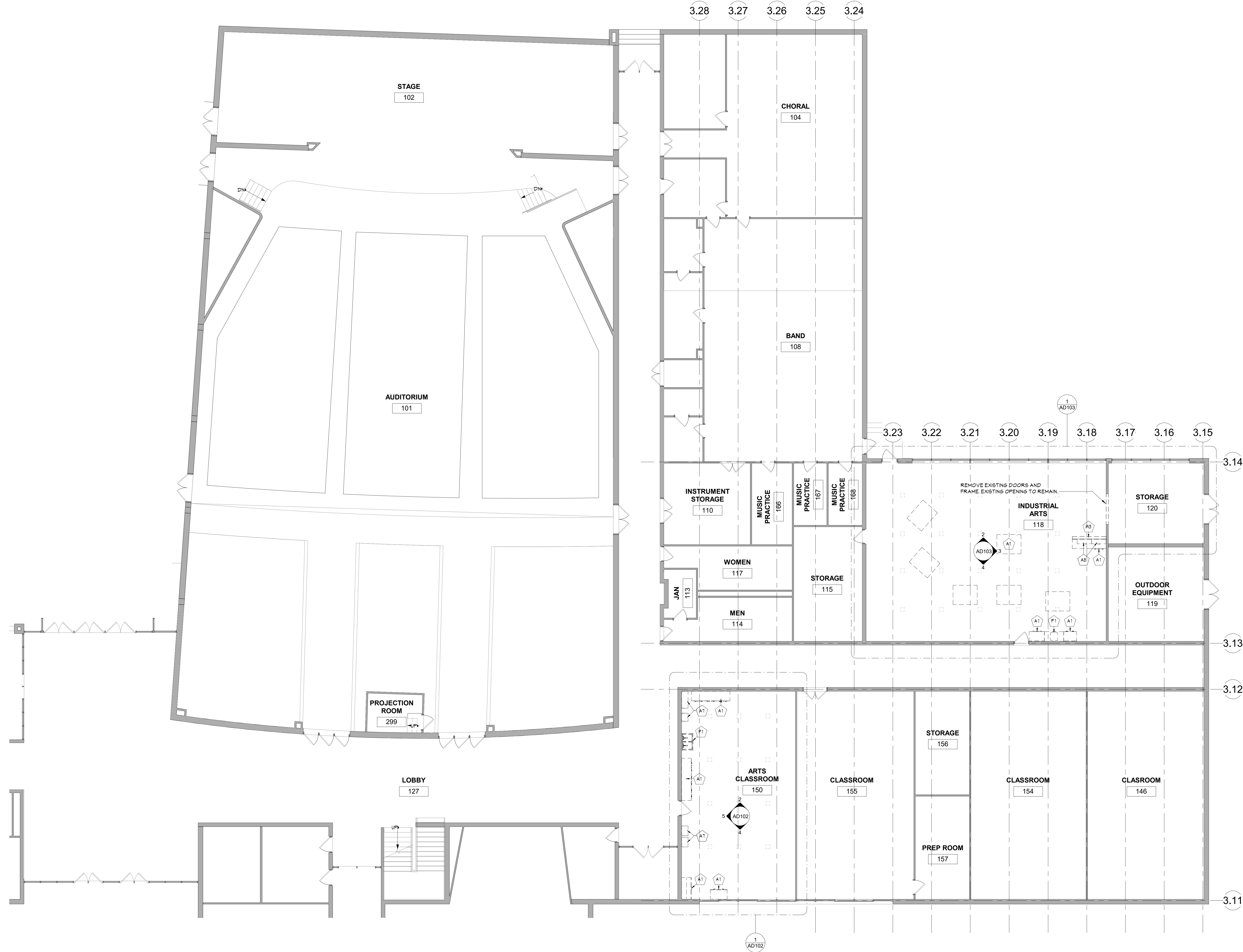


DATE	DESCRIPTION
Drawn By:	WF
Checked By:	RH
Proj. #:	44-13-01-06-0-015-031
Arch Proj. #:	187-2103
Construction Documents:	04-15-2022

Sheet Title
FIRST FLOOR
PARTIAL PLAN
- ARTS /
INDUSTRIAL
ARTS

Sheet No. **HSMS**
HM-100

C:\Users\public\Documents\187-2103_VCSO HS-MS_scholars.dwt



1 FIRST FLOOR PARTIAL DEMOLITION PLAN
AD101 1/8" = 1'-0"

GENERAL DEMOLITION NOTES

- COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION.
- PATCH AND REPLACE EXISTING AND NEWLY CREATED HOLES IN WALLS (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION.
- SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER, UNO.
- ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORING SYSTEMS INCLUDING OBJECTS EMBEDDED INTO EXISTING WALLS.
- REFER MEP DRAWINGS FOR ADDITIONAL REMOVAL INFORMATION.
- PROVIDE TEMPORARY SHORING AS NECESSARY AT ALL AREAS OF WALL REMOVAL AND NEW WALL PENETRATIONS.
- DRILL CORNERS OF ALL NEW SAKCUT OPENING PRIOR TO SAKCUTTING TO PREVENT CUTTING INTO SCHEDULED CONSTRUCTION TO REMAIN.
- CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL BOXES AND ASSOCIATED WIRING.

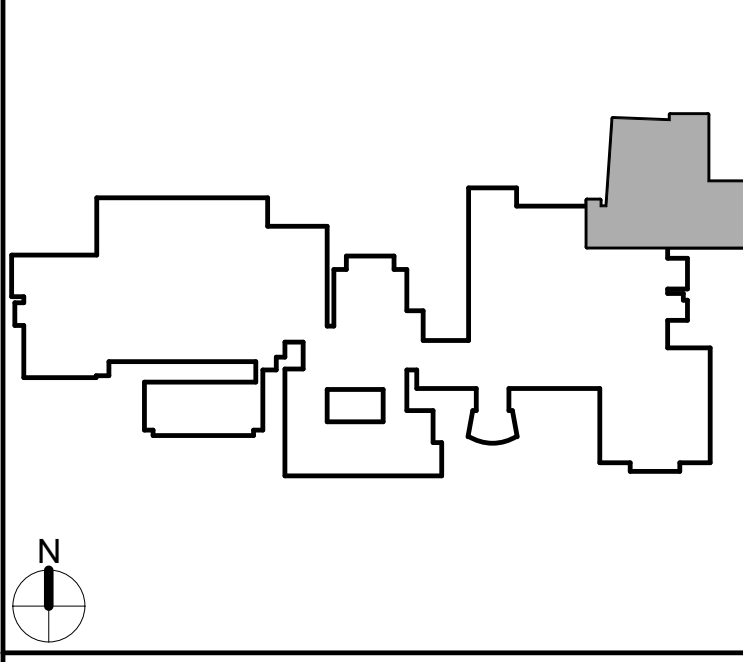
DEMOLITION KEYNOTES

#	DESCRIPTION
A1	REMOVE CASEWORK AND COUNTERTOP IN ITS ENTIRETY.
A1	REMOVE EXISTING WALL SHELF IN ITS ENTIRETY.
A8	REMOVE WALL MOUNTED CASEWORK IN ITS ENTIRETY.
P1	REMOVE PLUMBING FIXTURE. COORDINATE WITH PLUMBING DRAWINGS.
W3	REMOVE STUD PARTITION IN ITS ENTIRETY.

DEMOLITION LEGEND

- WALL REMOVAL
- WALL EXISTING TO REMAIN
- REMOVE FLOOR SYSTEM TO ITS ENTIRETY DOWN TO SLAB.
- RESINOUS FLOOR SYSTEM - REFER TO SPECIFICATION

KEY PLAN



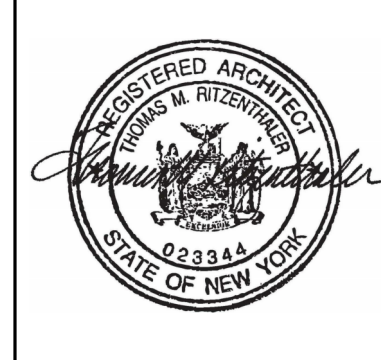
40 Beaver St., Albany, New York 12207-1511
518-463-8866 www.csarch.com

CSARCH

Consultant

VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
ART ROOM AND WOODSHOP ALTERATIONS

Project Title



REV	DATE	DESCRIPTION

Drawn By: *Author*
Checked By: 44-13-01-86-0-015-031
CSArch Proj. #: 187-2103
Issued for Bid: 10/31/2023

Sheet Title

FIRST FLOOR
PARTIAL
DEMOLITION
PLANS

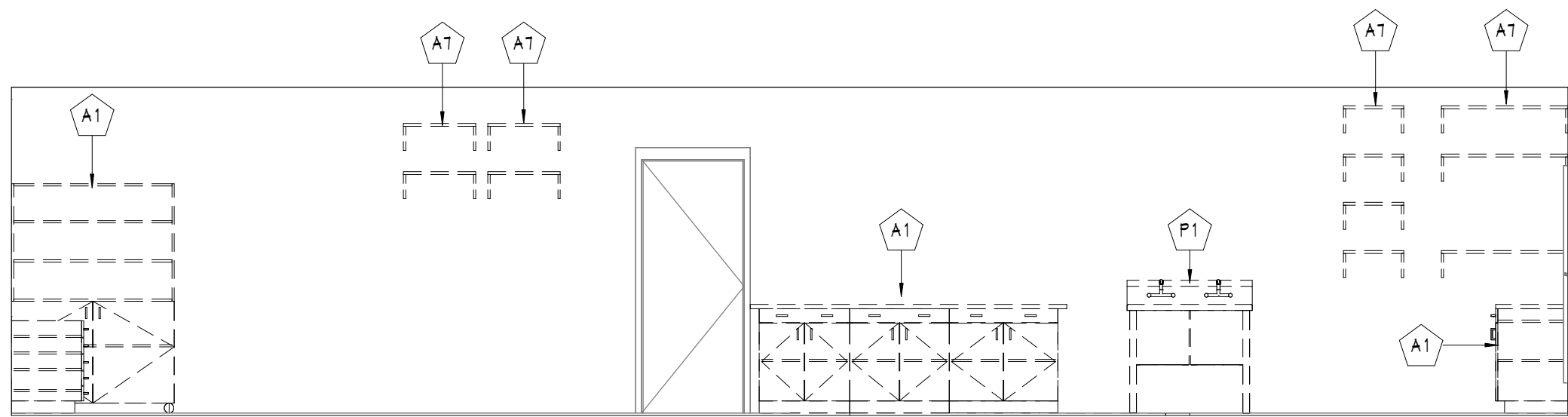
Sheet No.

HSMS
AD101

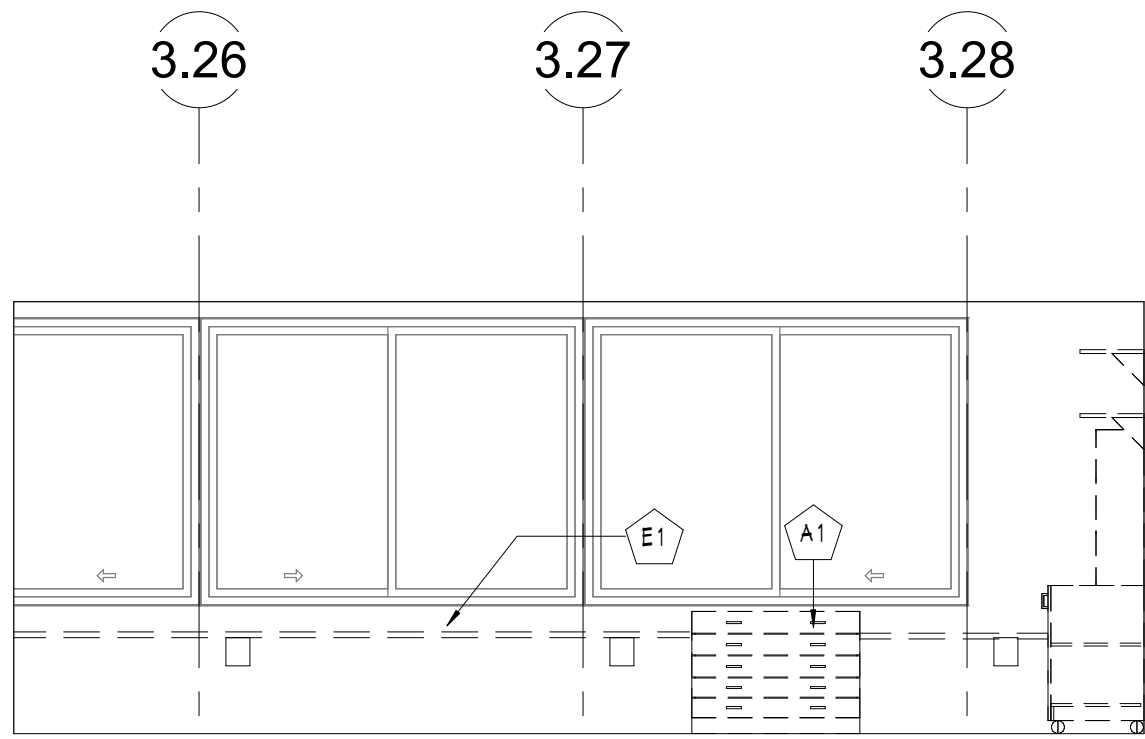
CONSTRUCTION DOCUMENTS

COPYRIGHT © ALL RIGHTS RESERVED

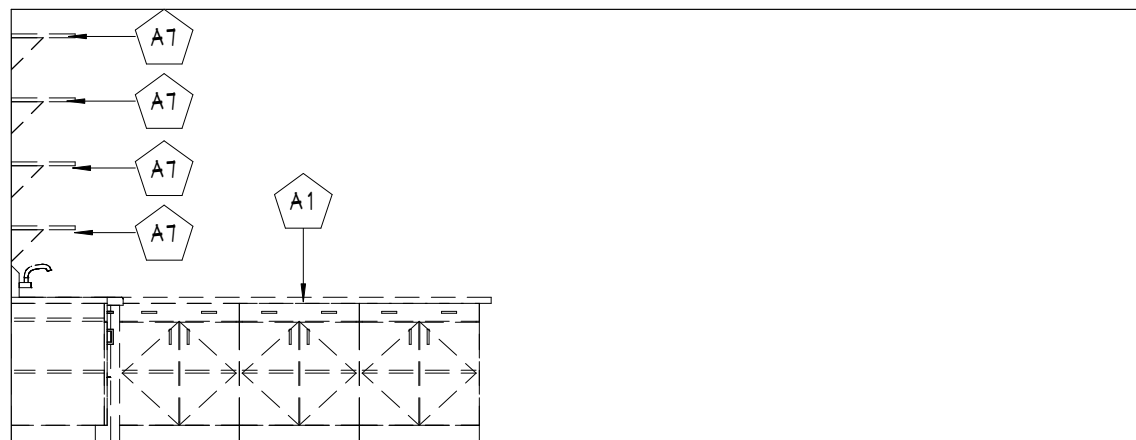
C:\Users\public\Documents\187-2103 VCSO HS-MS-shollands.rvt



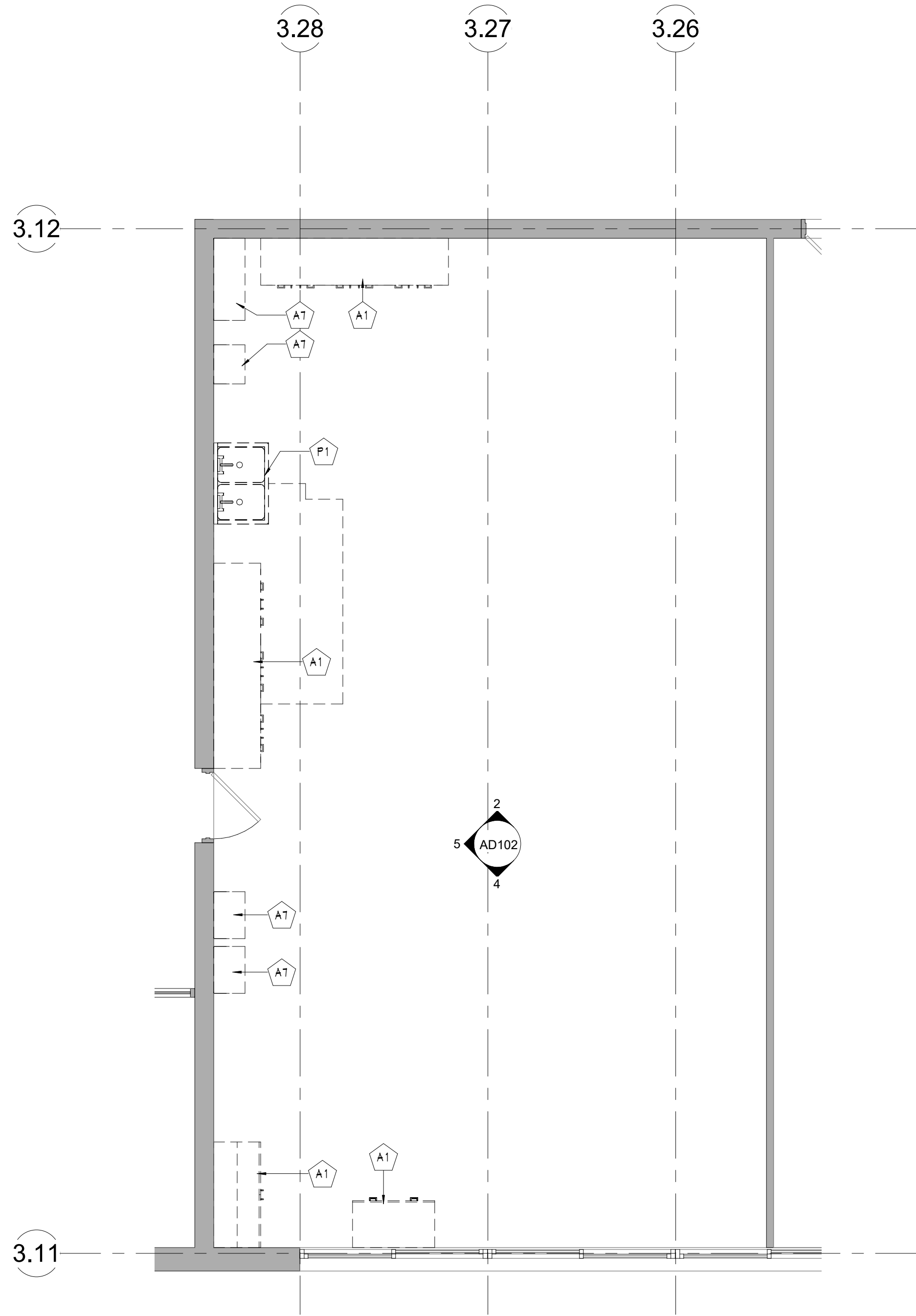
5 ART ROOM DEMO ELEVATION 4
AD102 1/4" = 1'-0"



4 ART ROOM DEMO ELEVATION 3
AD102 1/4" = 1'-0"



2 ART ROOM DEMO ELEVATION 1
AD102 1/4" = 1'-0"



1 ART ROOM DEMO PLAN
AD102 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

- COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION.
- PATCH AND REPLACE EXISTING AND NEWLY CREATED HOLES IN WALLS (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION.
- SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER, UNLESS OTHERWISE NOTED.
- ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORING SYSTEMS INCLUDING OBJECTS EMBEDDED INTO EXISTING WALLS.
- REFER MEP DRAWINGS FOR ADDITIONAL REMOVAL INFORMATION.
- PROVIDE TEMPORARY SHORING AS NECESSARY AT ALL AREAS OF WALL REMOVAL AND NEW WALL PENETRATIONS.
- DRILL CORNERS OF ALL NEW SAWCUT OPENING PRIOR TO SAWCUTTING TO PREVENT CUTTING INTO SCHEDULED CONSTRUCTION TO REMAIN.
- CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL BOXES AND ASSOCIATED WIRING.

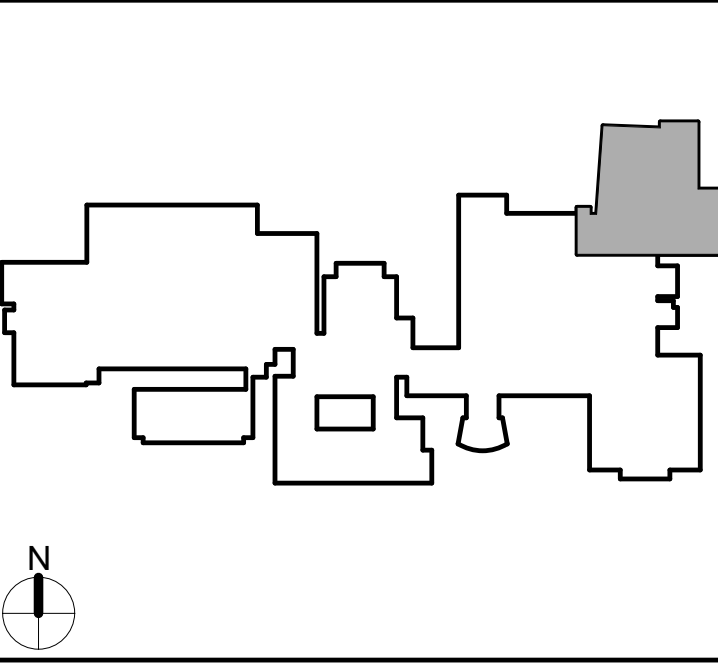
DEMOLITION KEYNOTES

#	DESCRIPTION
A1	REMOVE CASEWORK AND COUNTERTOP IN ITS ENTIRETY.
A7	REMOVE EXISTING WALL SHELF IN ITS ENTIRETY.
E1	REFER TO ELECTRICAL REMOVALS.
P1	REMOVE PLUMBING FIXTURE, COORDINATE WITH PLUMBING DRAWINGS.

DEMOLITION LEGEND

- WALL REMOVAL
- WALL EXISTING TO REMAIN
- REMOVE FLOOR SYSTEM TO ITS ENTIRETY DOWN TO SLAB.
- RESINOUS FLOOR SYSTEM - REFER TO SPECIFICATION

KEY PLAN

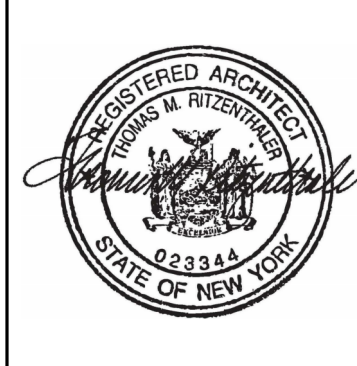


40 Beaver St., Albany, New York 12207-1511
518-463-8806 www.csarchnyc.com

Consultant

VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
ART ROOM AND WOODSHOP ALTERATIONS

Project Title



REV.	DATE	DESCRIPTION

Drawn By:	Author:
Checked By:	Checker:
Proj. #:	44-13-01-86-0-015-031
CSArch Proj. #:	187-2103
Issued for Bid:	10/31/2023

Sheet Title

ART ROOM
DEMOLITION
PLAN &
ELEVATIONS

Sheet No.

HSMS
AD102

CONSTRUCTION DOCUMENTS

CSARCH

COPYRIGHT © ALL RIGHTS RESERVED



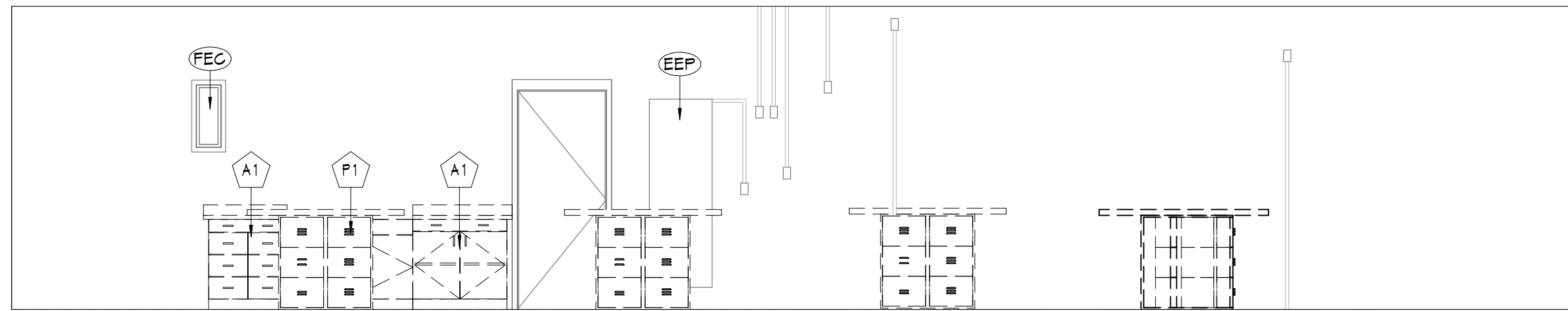
WEST WALL



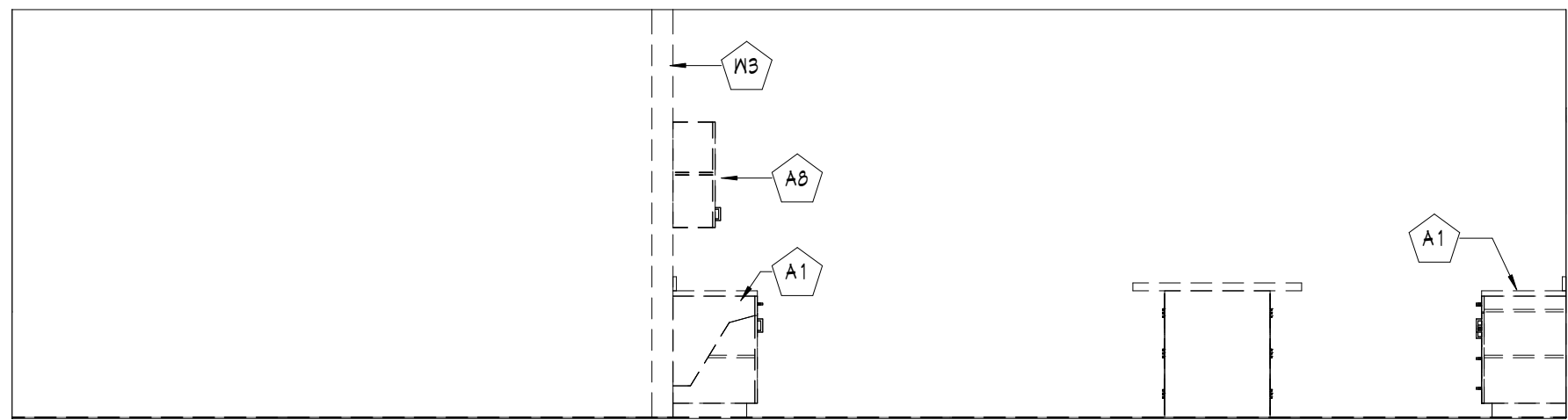
NORTH WALL



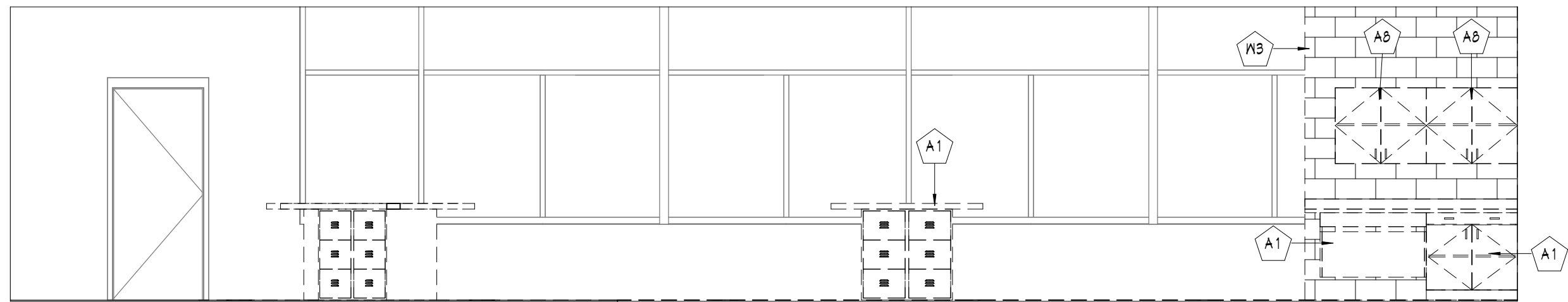
EAST WALL



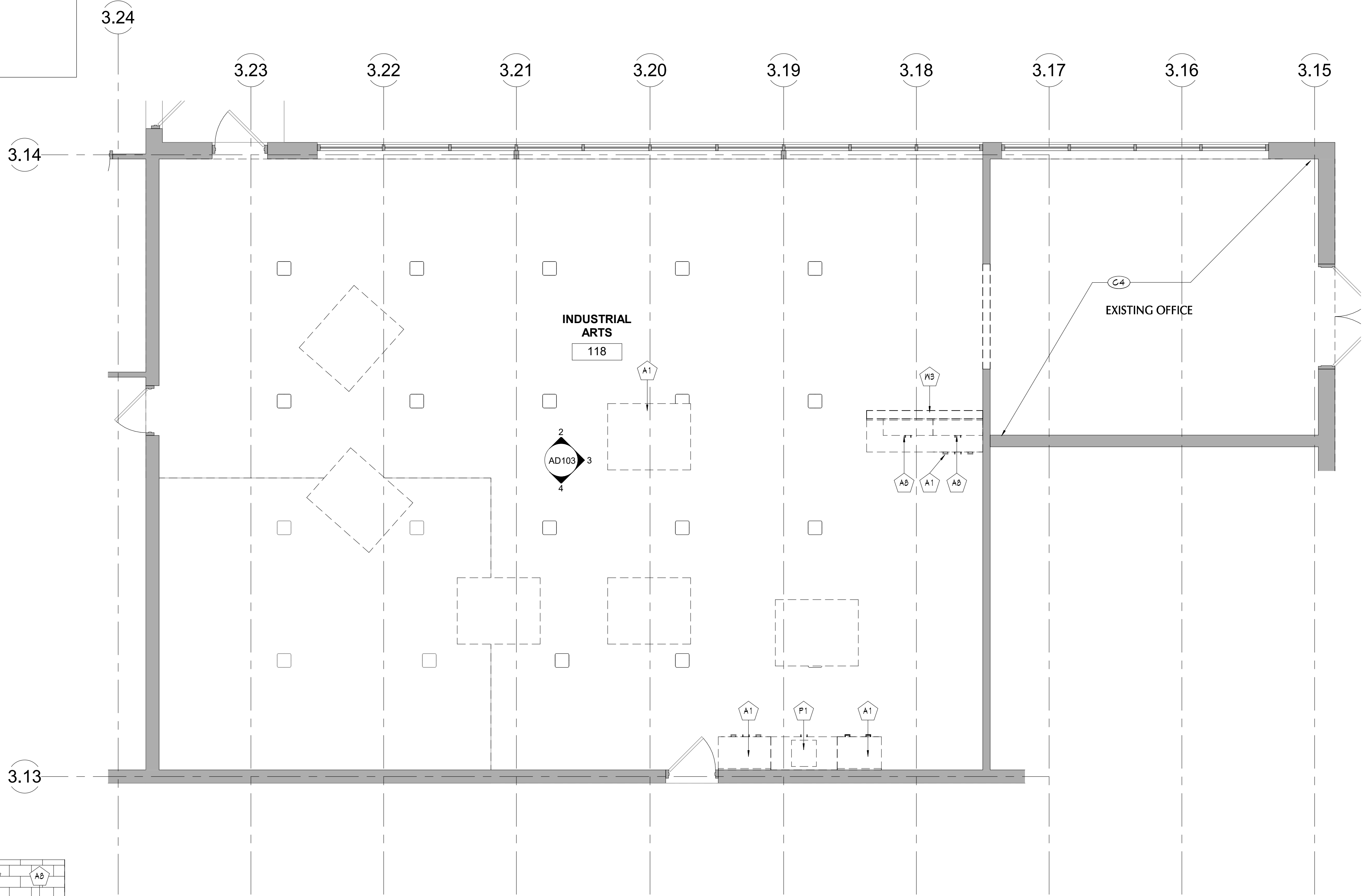
4 WORK SHOP DEMO ELEVATION - EAST
AD103 1/4" = 1'-0"



3 WORK SHOP DEMO ELEVATION - WEST
AD103 1/4" = 1'-0"



2 WORK SHOP DEMO ELEVATION - NORTH
AD103 1/4" = 1'-0"



1 WORK SHOP DEMO PLAN
AD103 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

- COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION.
- PATCH AND REPLACE EXISTING AND NEWLY CREATED HOLES IN WALLS (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION.
- SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER, UNO
- ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORING SYSTEMS INCLUDING OBJECTS EMBEDDED INTO EXISTING WALLS.
- REFER MEP DRAWINGS FOR ADDITIONAL REMOVAL INFORMATION.
- PROVIDE TEMPORARY SHORING AS NECESSARY AT ALL AREAS OF WALL REMOVAL AND NEW WALL PENETRATIONS.
- DRILL CORNERS OF ALL NEW SANGUT OPENINGS PRIOR TO SANGUTTING TO PREVENT CUTTING INTO SCHEDULED CONSTRUCTION TO REMAIN.
- CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL BOXES AND ASSOCIATED WIRING.

DEMOLITION KEYNOTES

#	DESCRIPTION
A1	REMOVE CASEWORK AND COUNTERTOP IN ITS ENTIRETY.
A6	REMOVE WALL MOUNTED CASEWORK IN ITS ENTIRETY.
G4	REMOVE EXISTING ACM PLASTER CEILING SYSTEM IN ITS ENTIRETY, INCLUDING ALL FRAMING AND FASTENERS. REFER TO HAZ MAT DRAWING.
EEP	EXISTING ELECTRICAL PANEL
FEC	EXISTING EXTINGUISHER CABINET
F1	DEMOLITION LEGEND
W3	REMOVE STUD PARTITION IN ITS ENTIRETY. WALL REMOVAL.
	WALL EXISTING TO REMAIN
	REMOVE FLOOR SYSTEM TO ITS ENTIRETY DOWN TO SLAB.
	RESINOUS FLOOR SYSTEM - REFER TO SPECIFICATION

40 Beaver St. Albany, New York 12207-1511
518-463-8866 www.csarch.com

CSARCH

Consultant

VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
ART ROOM AND WOODSHOP ALTERATIONS

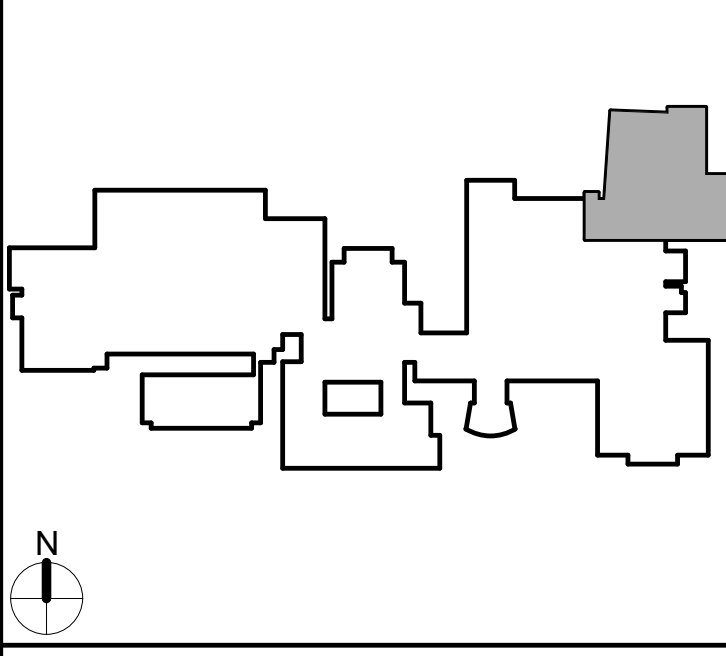
Project Title



DATE	DESCRIPTION

Drawn By: Author
Checked By: 44-13-01-86-0-015-031
Proj. #: CSArch Proj. #: 187-2103
Issued for Bid: 10/31/2023

KEY PLAN

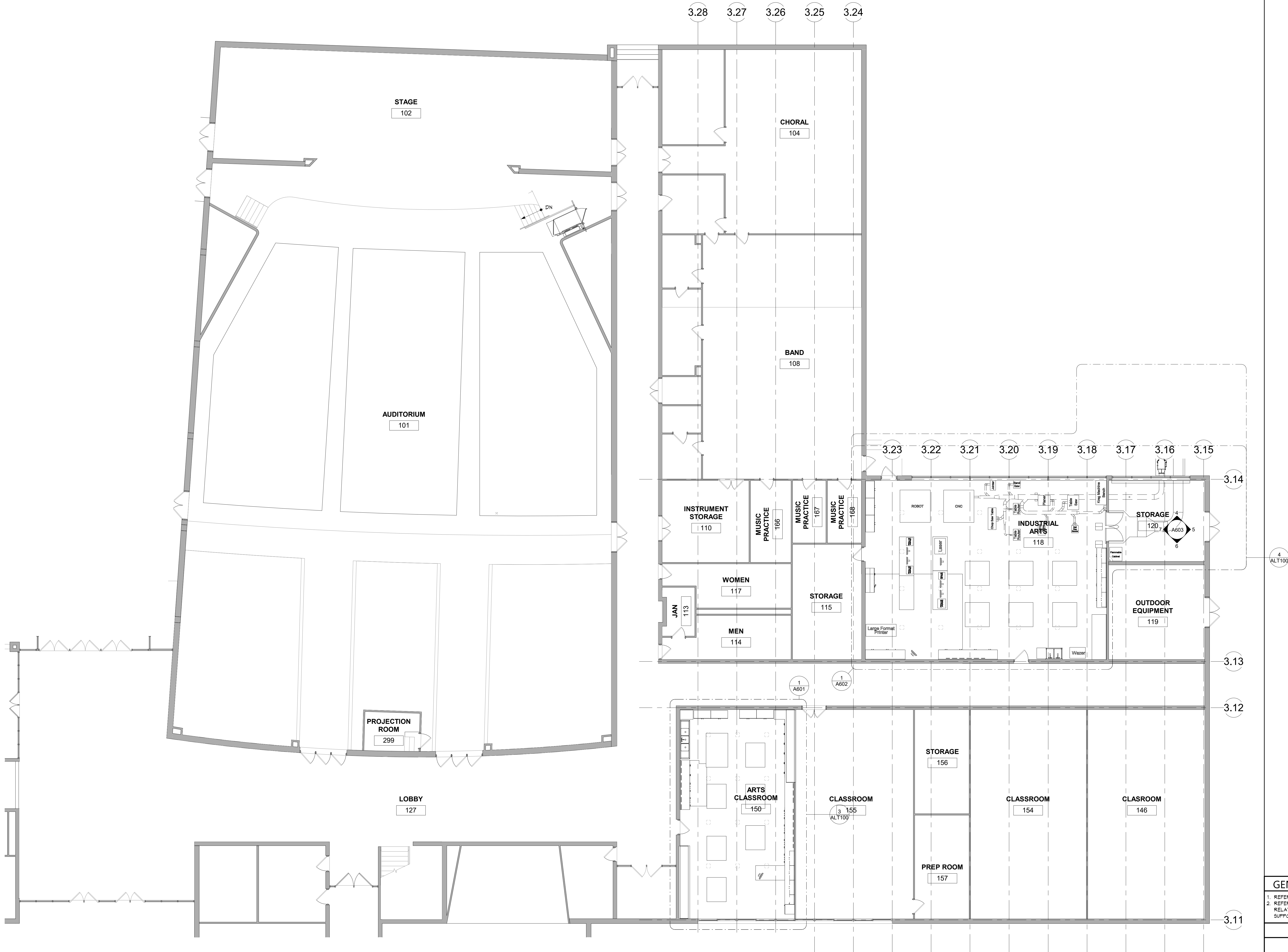


Sheet Title
WORK SHOP
ROOM
DEMOLITION
PLANS &
ELEVATIONS

Sheet No.
HSMS
AD103

CONSTRUCTION DOCUMENTS

COPYRIGHT © ALL RIGHTS RESERVED

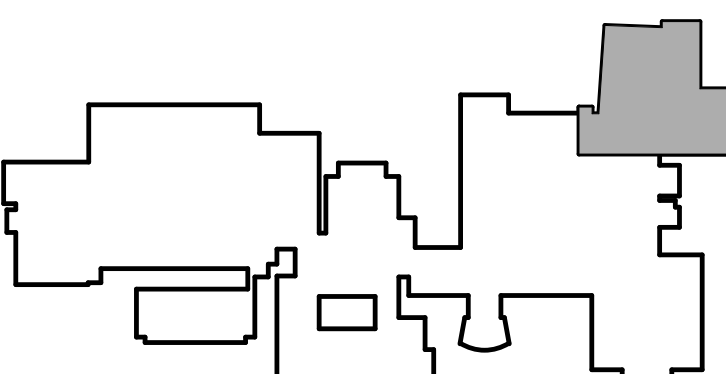


1 FIRST FLOOR PARTIAL NEW WORK PLAN
A101 1/8" = 1'-0"

GENERAL NEW WORK NOTES

1. REFER TO SHEET 6001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A500 SERIES FOR DETAILS AND DIMENSIONS RELATED TO INSTALLATION OF NEW MEP EQUIPMENT, SUPPORTS, AND LOUVERS.

KEY PLAN



40 Beaver St., Albany, New York 12207-1511
518-463-8866 www.csarch.com

CSARCH

Project Title

VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
ART ROOM AND WOODSHOP ALTERATIONS

Drawn By: RVP
Checked By: 44-13-01-86-0-015-031
CSArch Proj. #: 187-2103
Issued for Bid: 10/31/2023

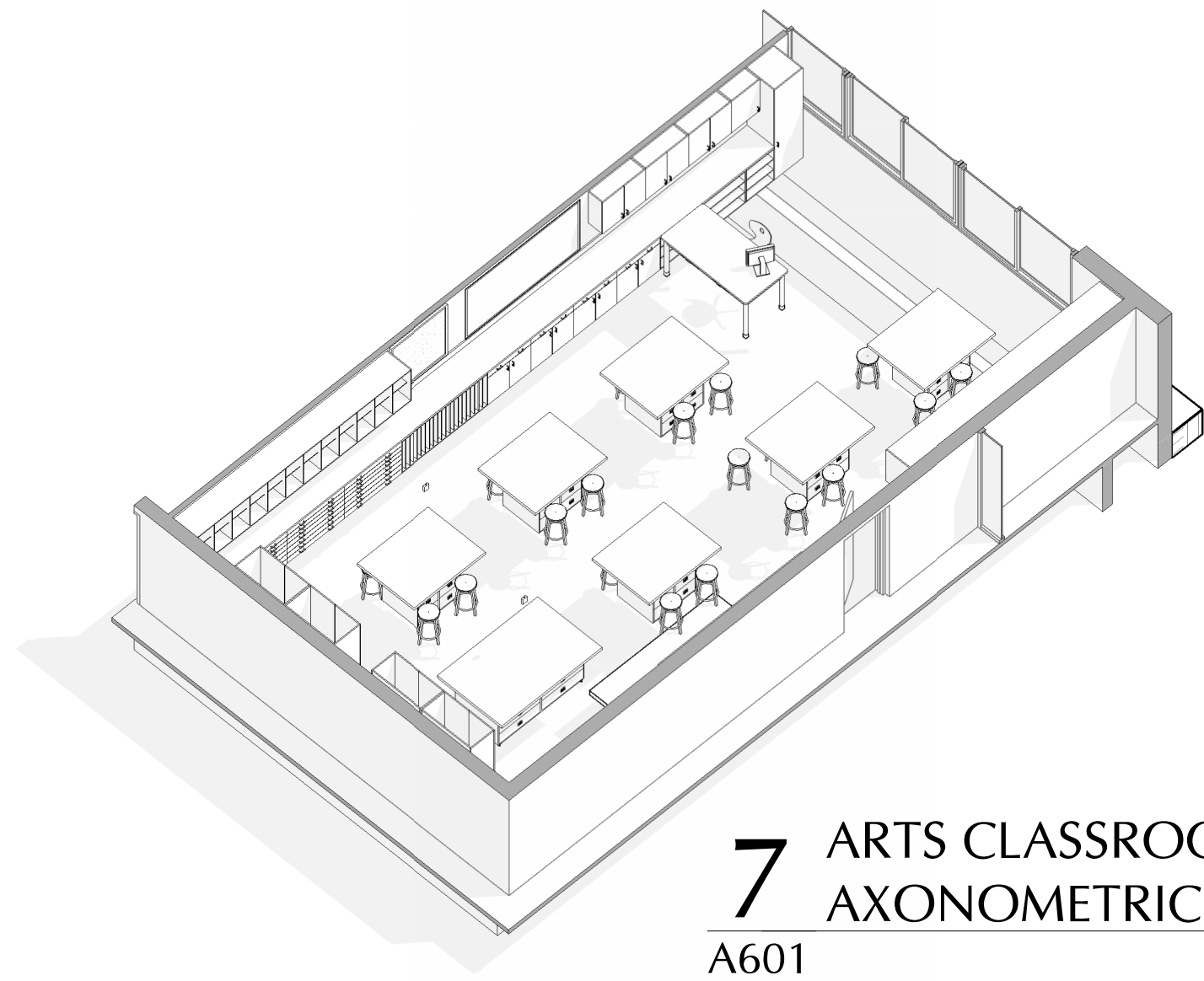
Sheet Title

FIRST FLOOR
PARTIAL PLAN
- ARTS /
INDUSTRIAL
ARTS

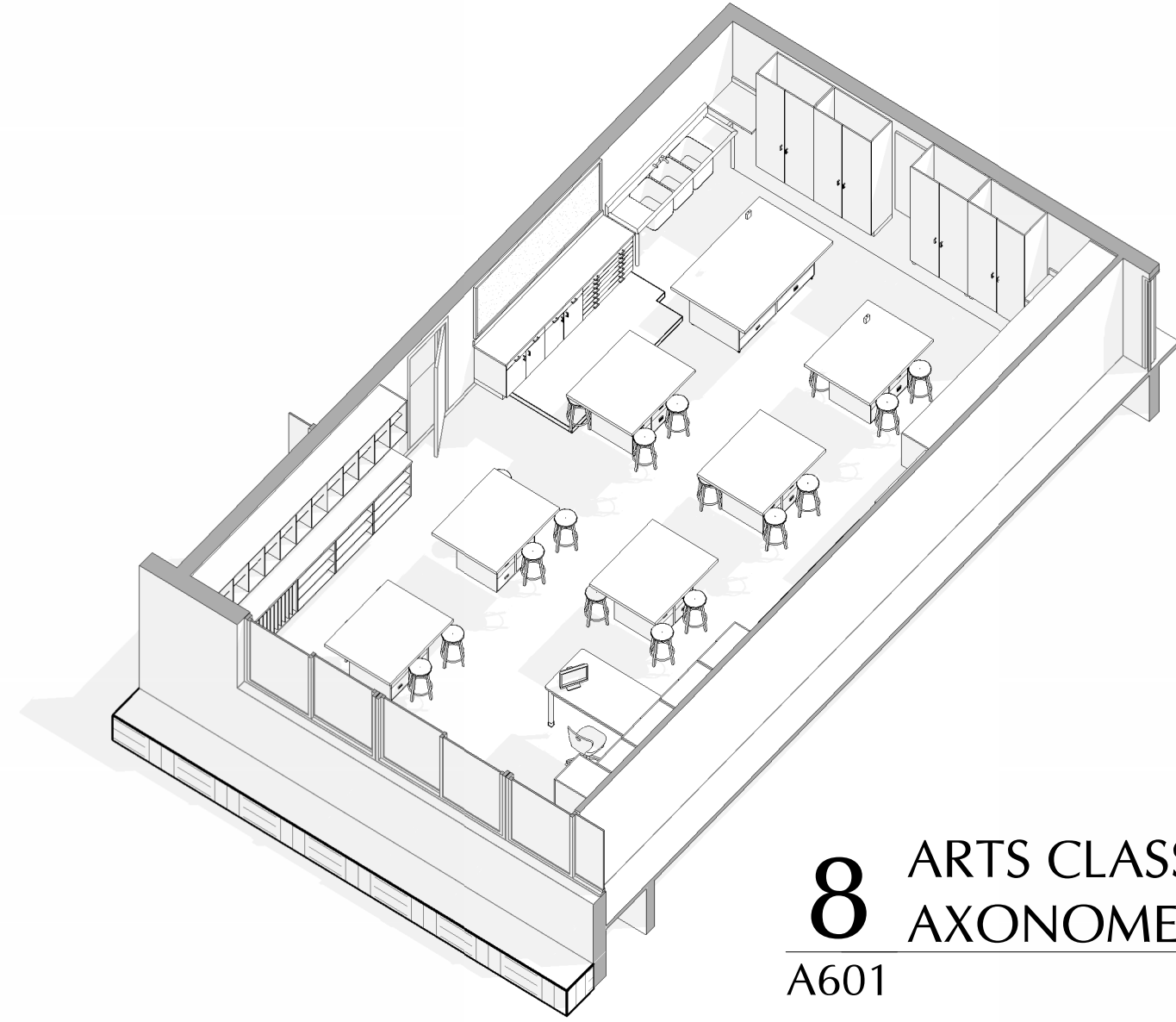
Sheet No.

HSMS
A101

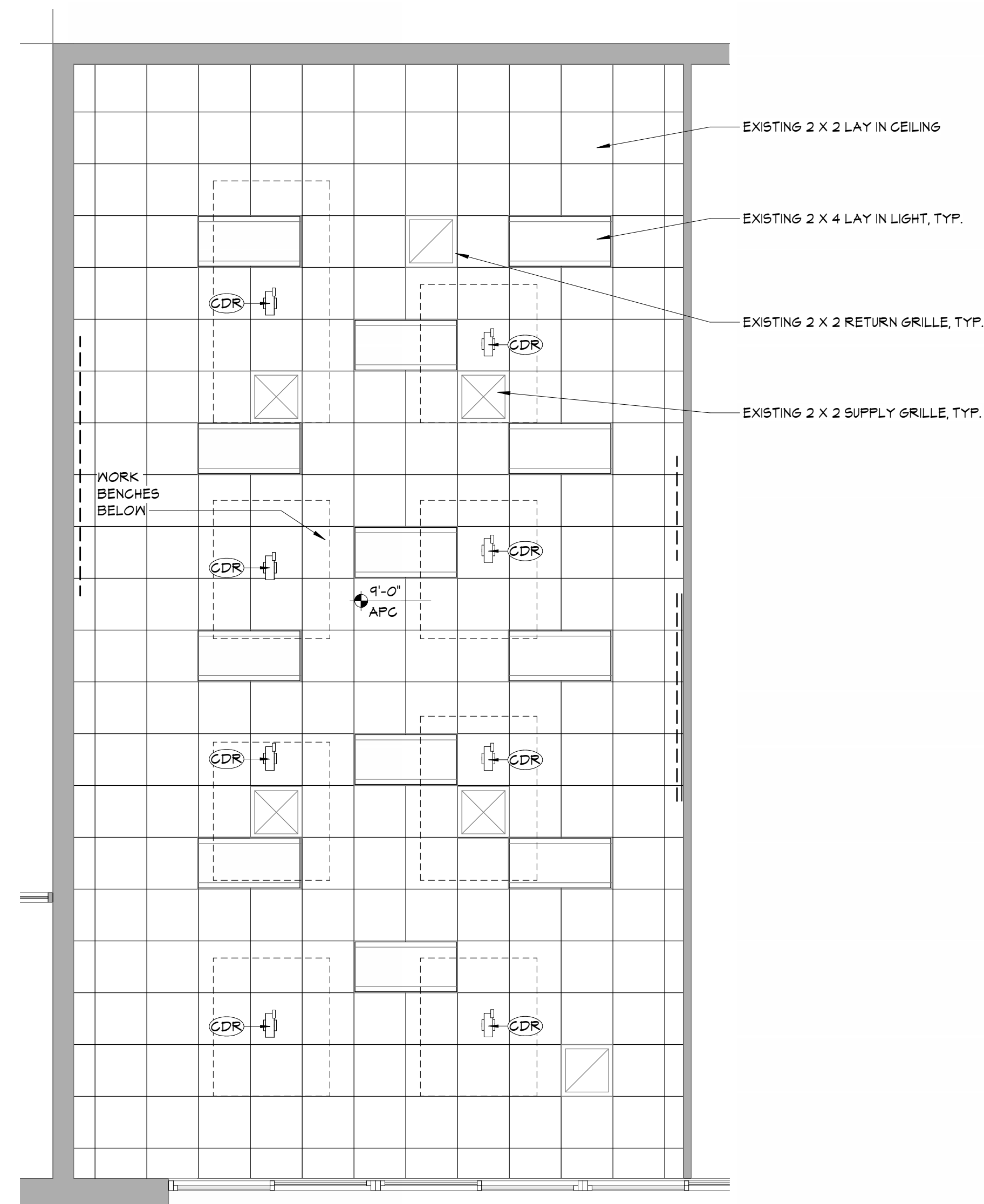
CONSTRUCTION DOCUMENTS



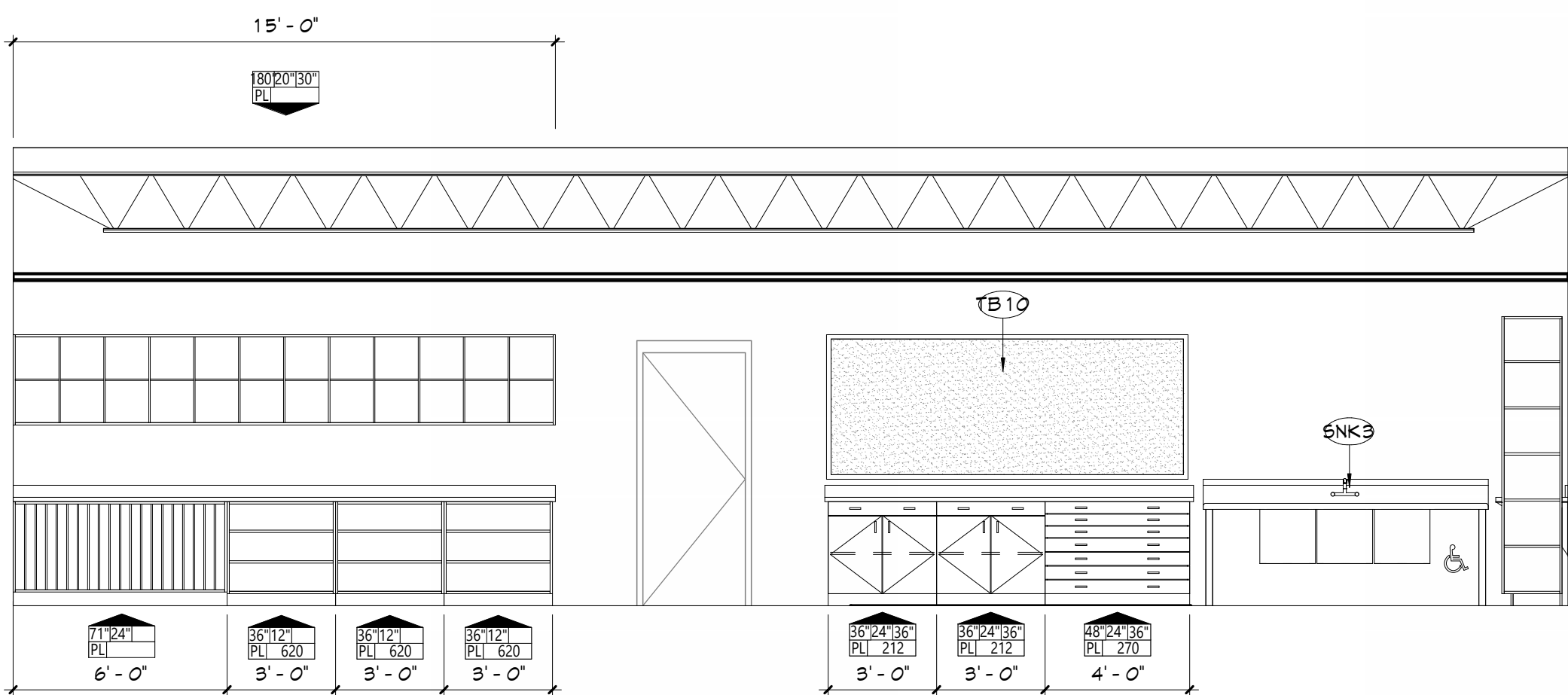
7 ARTS CLASSROOM
AXONOMETRIC
A601



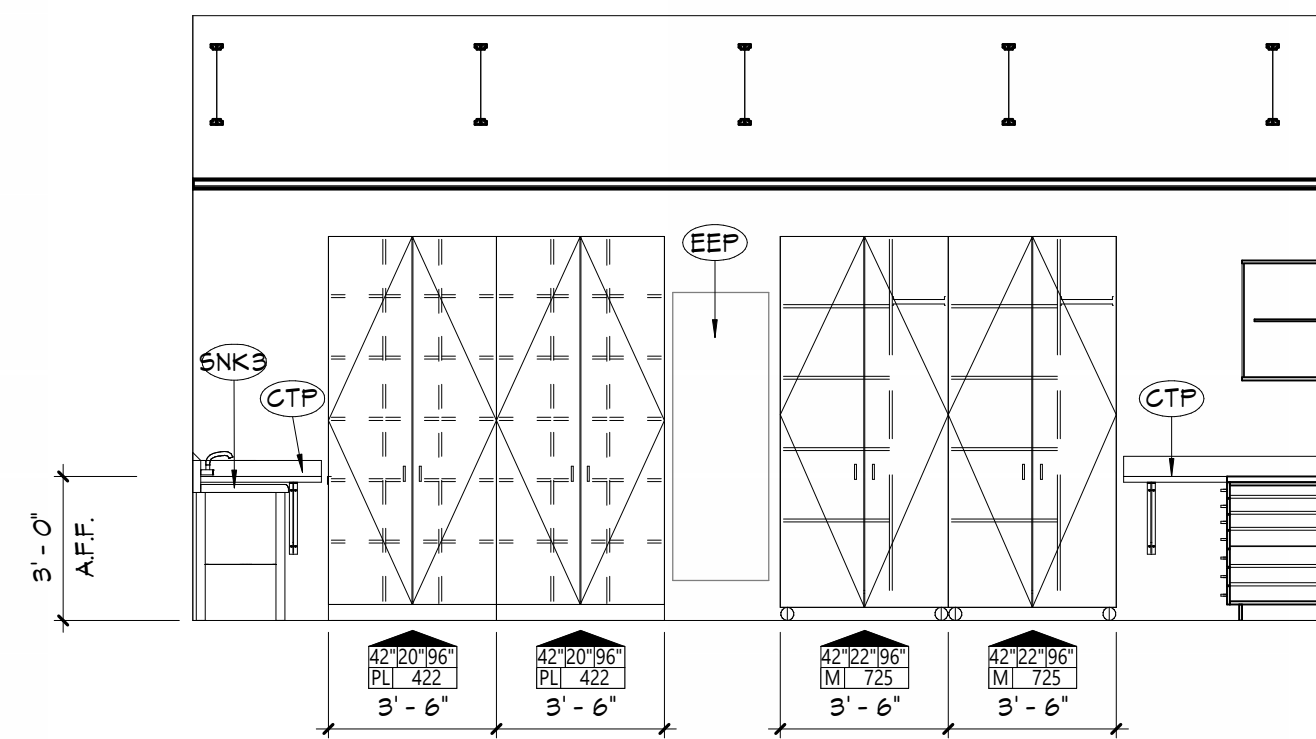
8 ARTS CLASSROOM
AXONOMETRIC
A601



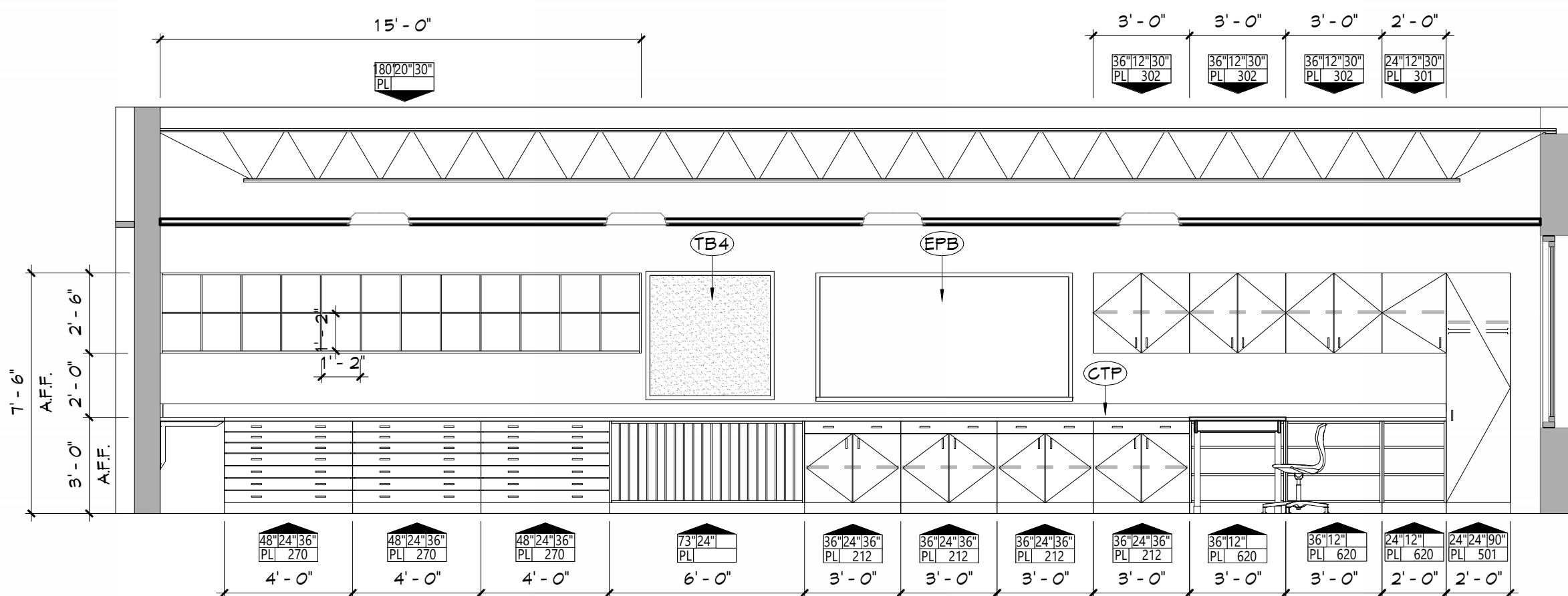
2 PARTIAL REFLECTED CEILING PLAN
ARTS CLASSROOM
A601 1/4" = 1'-0"



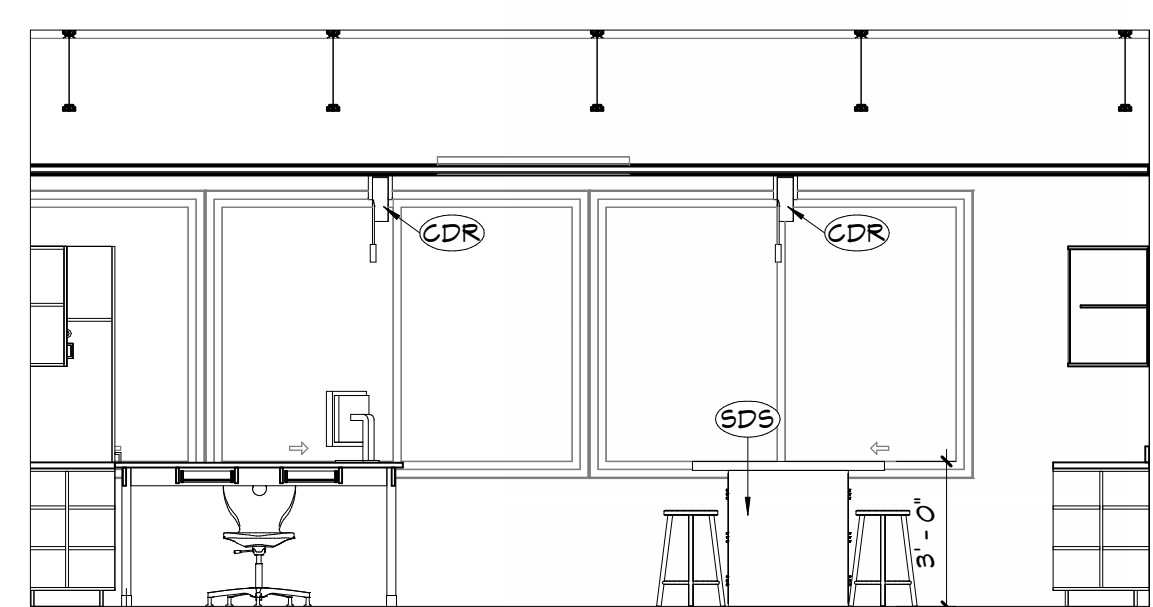
6 INTERIOR ELEVATION
CLASSROOM WEST
A601 1/4" = 1'-0"



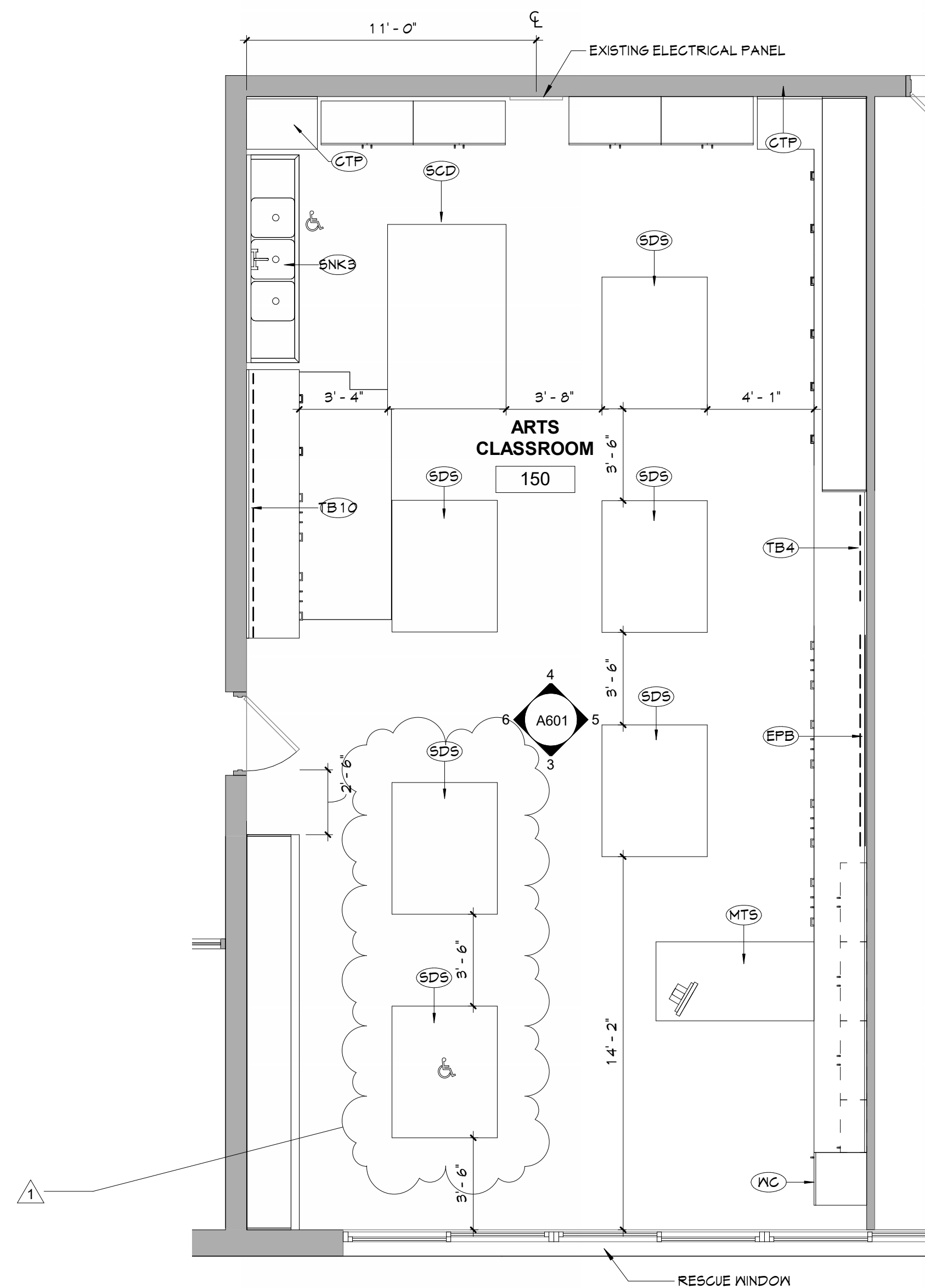
4 INTERIOR ELEVATION
CLASSROOM NORTH
A601 1/4" = 1'-0"



5 INTERIOR ELEVATION
CLASSROOM EAST
A601 1/4" = 1'-0"

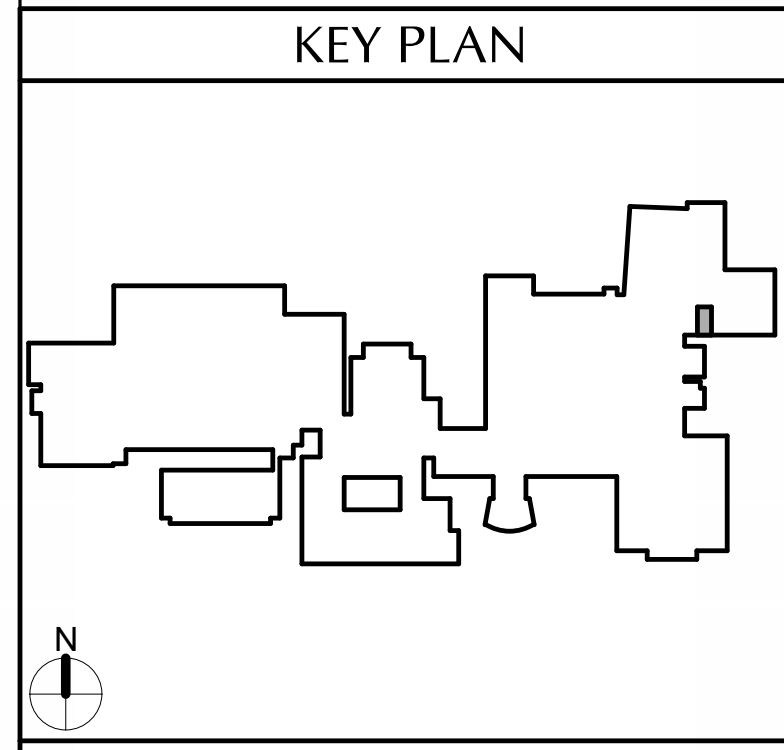


3 INTERIOR ELEVATION
CLASSROOM SOUTH
A601 1/4" = 1'-0"



1 ENLARGED FLOOR PLAN
ARTS CLASSROOM
A601 1/4" = 1'-0"

GENERAL NOTES	
1.	ALL CASEWORK SHALL HAVE PLASTIC LAMINATE (PLAM) COUNTERTOPS AND 4" BACK SPLASHES, UNO
2.	INSTALL MATCHING FILLER PANELS IN LOCATIONS SHOWN. ADD MATCHING FILLER PANELS AS REQUIRED FOR FINAL FIT/FINISH.
3.	PROVIDE BLOCKING IN ALL ADJACENT WALLS AS REQUIRED TO INSTALL ALL CASEWORK.
4.	PROVIDE FINISHED END PANEL AT ALL EXPOSED FACES OF CASEWORK.
5.	PROVIDE WALL BASE AS SCHEDULED ON ALL EXPOSED TOE KICK SPACES AND EXPOSED END PANELS.
CASEWORK NOTES	
	AWI DESIGN NUMBER (INDICATES ELEVATION LAYOUT ONLY; REFER TO DETAILS AND SPECIFICATIONS FOR CASEWORK CONSTRUCTION REQUIREMENTS)
	TYPE OF CASEWORK PL = PLASTIC LAMINATE M = METAL W = WOOD
KEYNOTES	
#	DESCRIPTION
CDR	CORD REEL
CTP	COUNTERTOP
EEP	EXISTING ELECTRICAL PANEL
EPB	EXISTING PROMETHEAN BOARD TO BE RELOCATED AS SHOWN
MTS	MOBILE TEACHER STATION
SCD	STUDENT COLLABORATION DESK
SDS	STUDENT DESK
SNK3	TRIPLE SINK
TB4	4" TACKBOARD
TB10	10" TACKBOARD
WC	HARDROBE CABINET

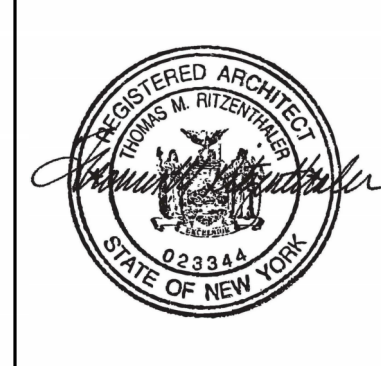


40 Beaver St., Albany, New York 12207-1511
518-463-8866 www.csarch.com

Consultant

VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
ART ROOM AND WOODSHOP ALTERATIONS

Project Title



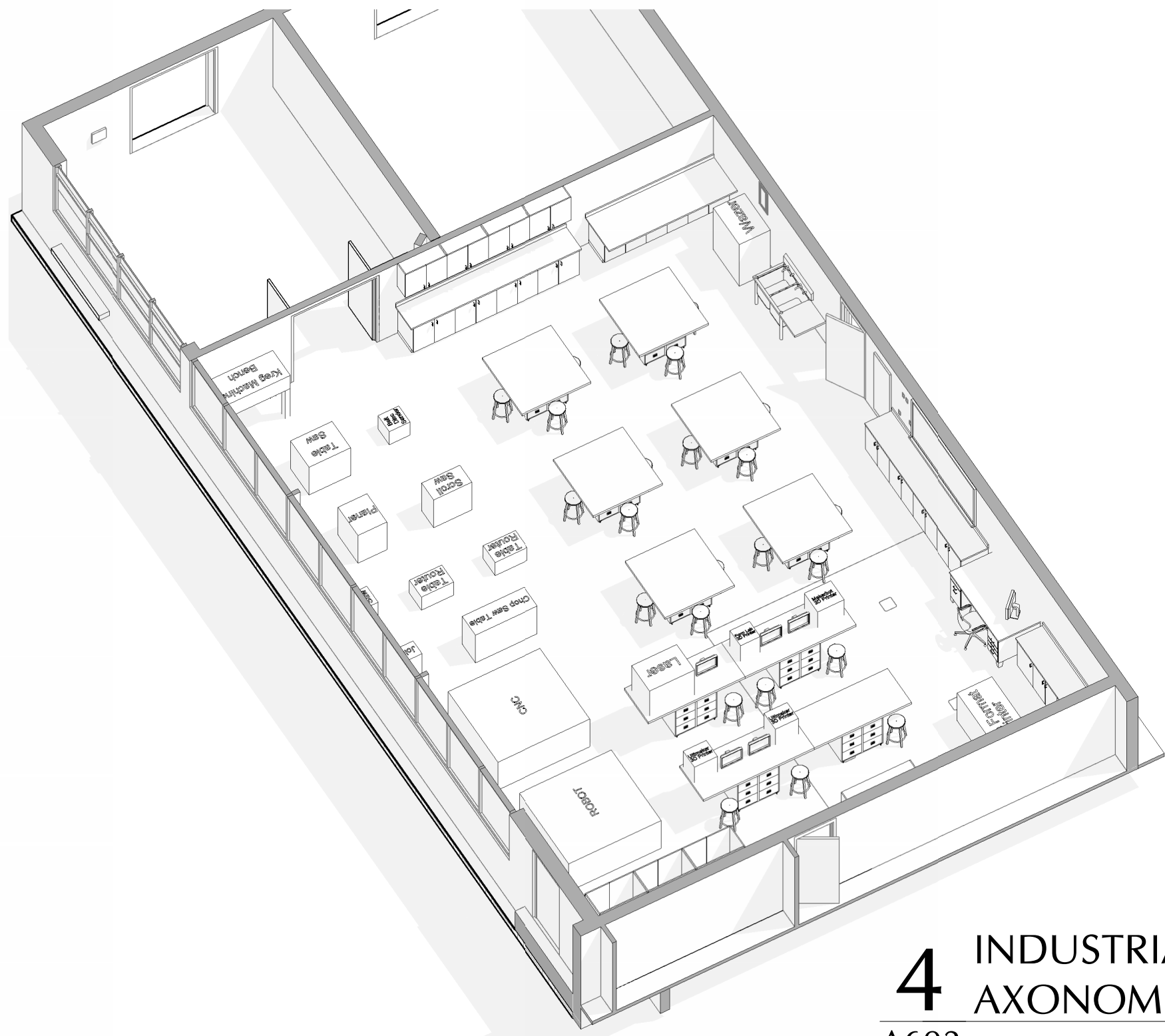
REV	DATE	DESCRIPTION
1	3/1/23	REV COMMENTS

Drawn By:	RVP
Checked By:	
Proj. #:	44-13-01-86-015-031
CSArch Proj. #:	187-2103
Issued for Bid:	10/31/2023

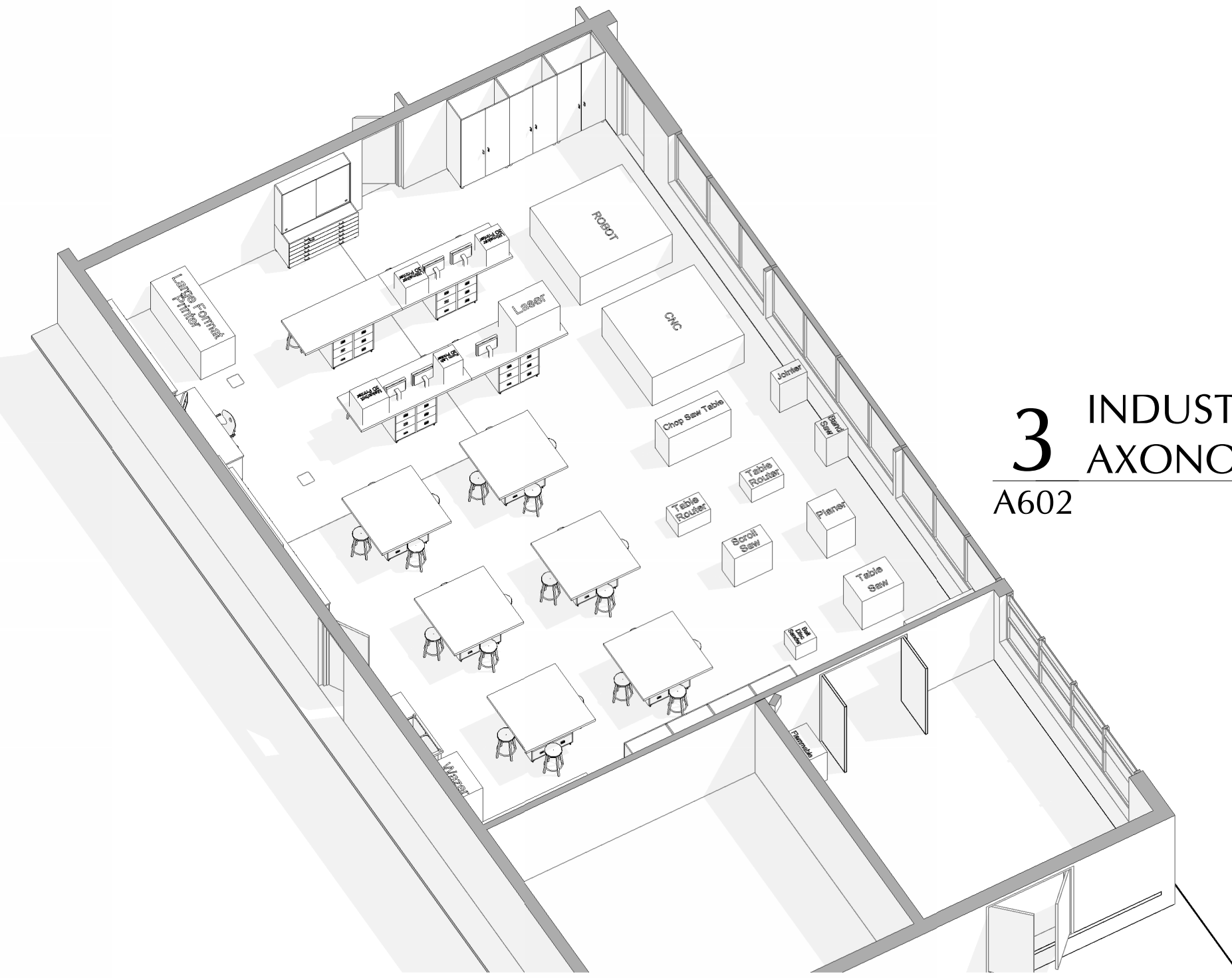
Sheet Title
ENLARGED
PLANS AND
INTERIOR
DETAILS - ART
CLASSROOM

Sheet No.
HSMS
A601

CONSTRUCTION DOCUMENTS

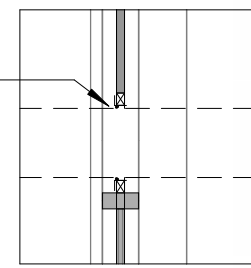


4 INDUSTRIAL ARTS
AXONOMETRIC
A602

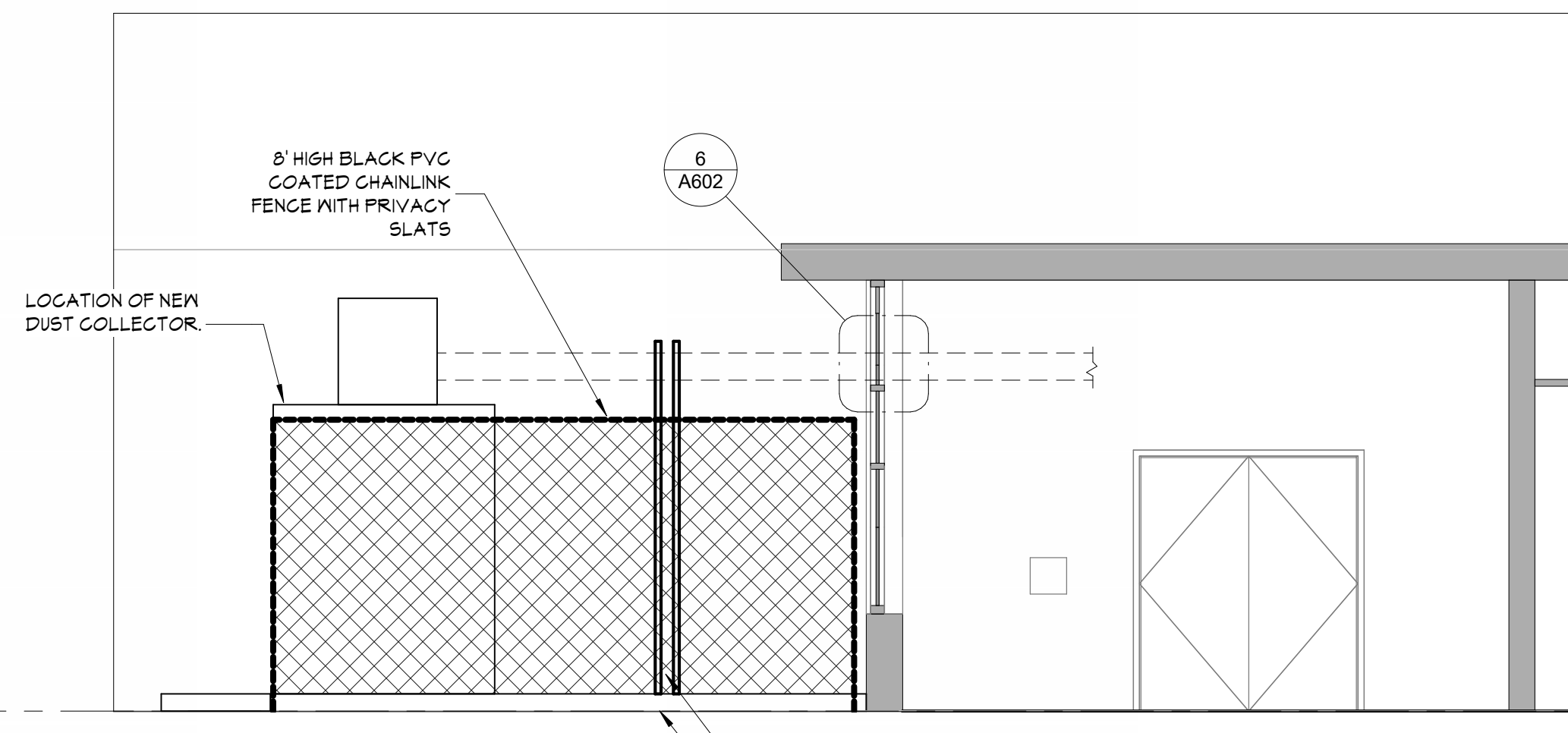


3 INDUSTRIAL ARTS
AXONOMETRIC
A602

CUT EXISTING PANEL TO ALLOW
NEW DUCT WORK TO PENETRATE
EXTERIOR WALL. ADD FLANGE
AND SEALANT TO ACHIEVE
WEATHER TIGHTNESS.

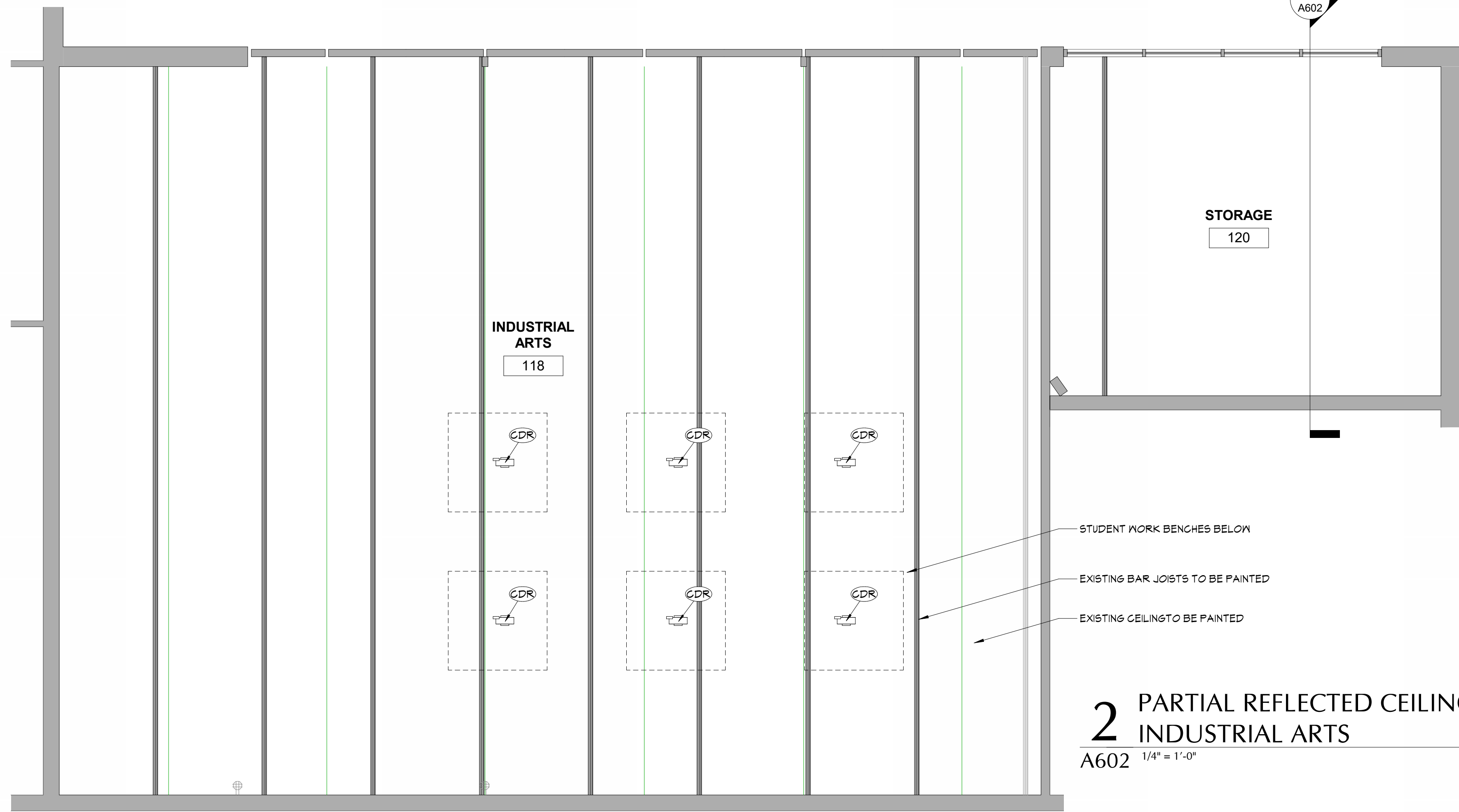


6 Section 4 - Callout 1
A602 1/2" = 1'-0"

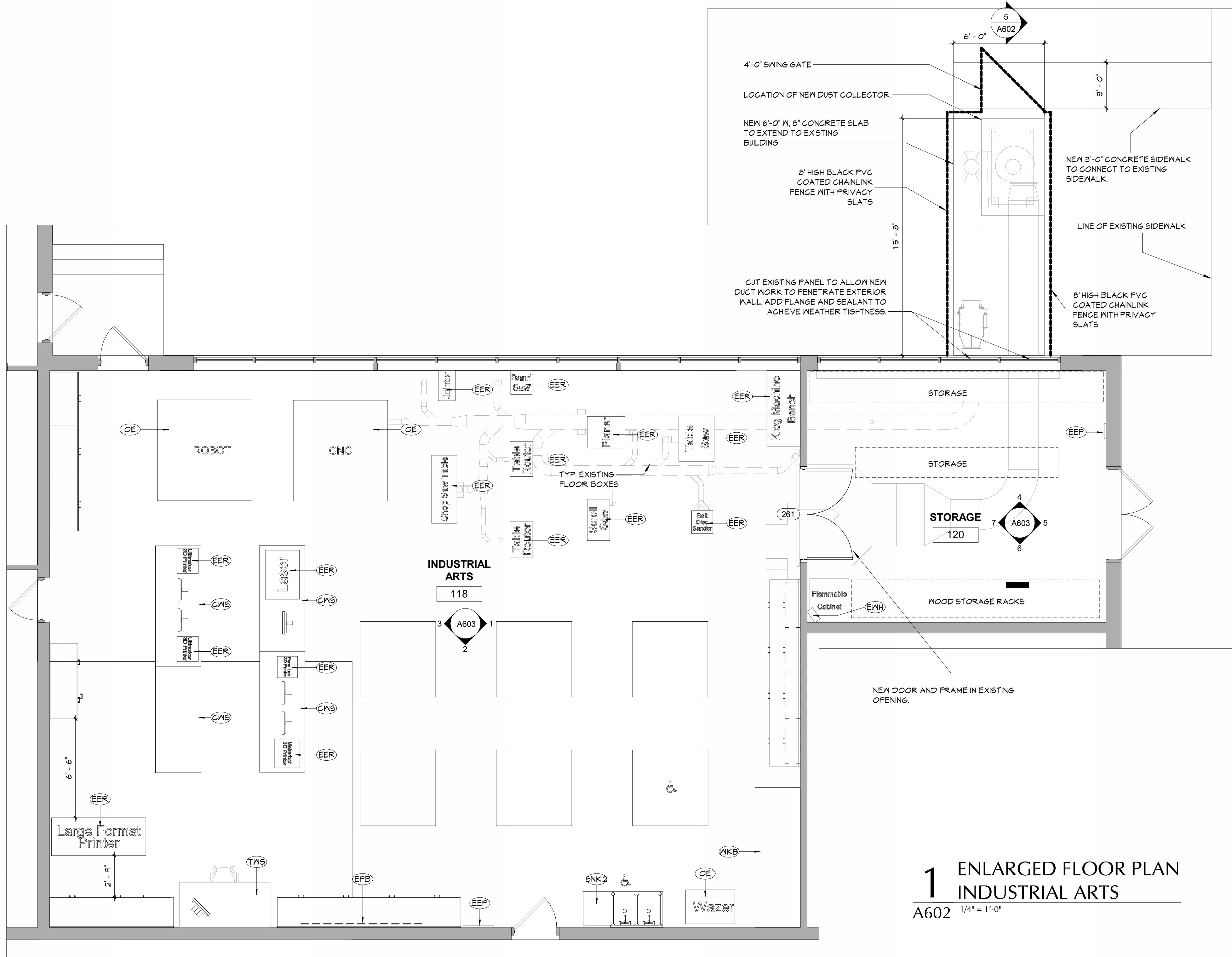


5 Section 4
A602 1/4" = 1'-0"

DUCTWORK SUPPORT SYSTEM
AS REQUIRED.
NEW CONCRETE SLAB TO
EXTEND TO EXISTING BUILDING



2 PARTIAL REFLECTED CEILING PLAN
INDUSTRIAL ARTS
A602 1/4" = 1'-0"



1 ENLARGED FLOOR PLAN
INDUSTRIAL ARTS
A602 1/4" = 1'-0"

GENERAL NOTES

- ALL CASEWORK SHALL HAVE PLASTIC LAMINATE (PLAM) COUNTERTOPS AND 4" BACK SPLASHES, UNO.
- INSTALL MATCHING FILLER PANELS IN LOCATIONS SHOWN. ADD MATCHING FILLER PANELS AS REQUIRED FOR FINAL FIT/FINISH.
- PROVIDE BLOCKS IN ALL ADJACENT WALLS AS REQUIRED TO INSTALL ALL CASEWORK.
- PROVIDE FINISHED END PANEL AT ALL EXPOSED FACES OF CASEWORK.
- PROVIDE WALL BASE AS SCHEDULED ON ALL EXPOSED TOE KICK SPACES AND EXPOSED END PANELS.

CASEWORK NOTES

- AWI DESIGN NUMBER (INDICATES ELEVATION LAYOUT ONLY; REFER TO DETAILS AND SPECIFICATIONS FOR CASEWORK CONSTRUCTION REQUIREMENTS)
- TYPE OF CASEWORK
PL = PLASTIC LAMINATE
M = METAL
W = WOOD

KEYNOTES

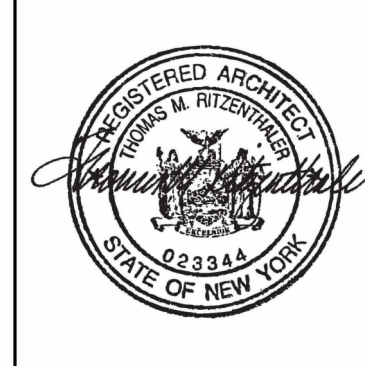
#	DESCRIPTION
CDR	CORD REEL
CNS	COMPUTER WORK STATION - NOT IN CONTRACT
ECP	EXISTING ELECTRICAL PANEL
EER	EXISTING EQUIPMENT RELOCATED AS SHOWN
EPB	EXISTING PROMETHEAN BOARD TO BE RELOCATED AS SHOWN
ENH	EXISTING WALL HEATER
OE	OWNER SUPPLIED EQUIPMENT, LOCATED AS SHOWN
SNK2	DOUBLE SINK
TWS	TEACHER WORK STATION
WKB	METAL WORK BENCH

40 Beaver St., Albany, New York 12207-1511
518-463-8866 www.csarchnyc.com

Consultant

VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
ART ROOM AND WOODSHOP ALTERATIONS

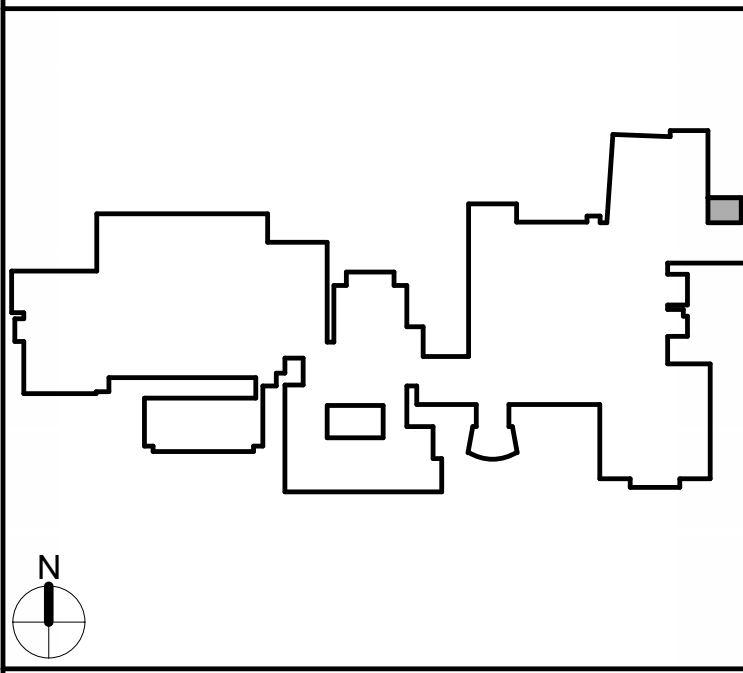
Project Title



DATE	DESCRIPTION

Drawn By: RVP
Checked By: 44-13-01-86-0-015-031
CSArch Proj. #: 187-2103
Issued for Bid: 10/31/2023

KEY PLAN

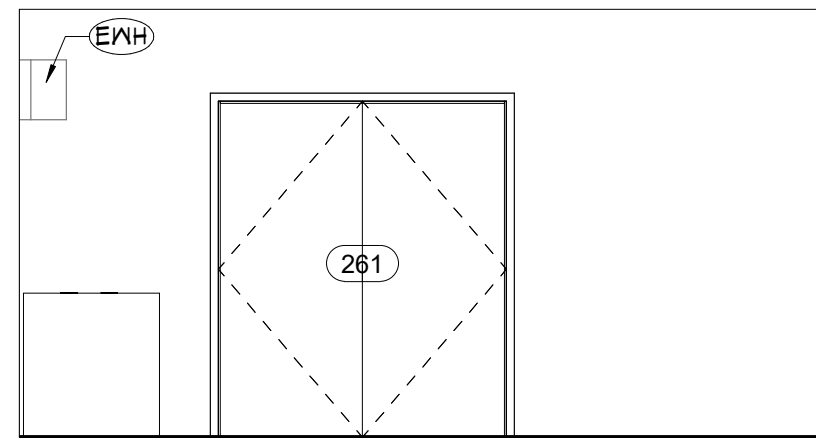


ENLARGED
PLANS &
AXONOMETRIC
- IND. ARTS

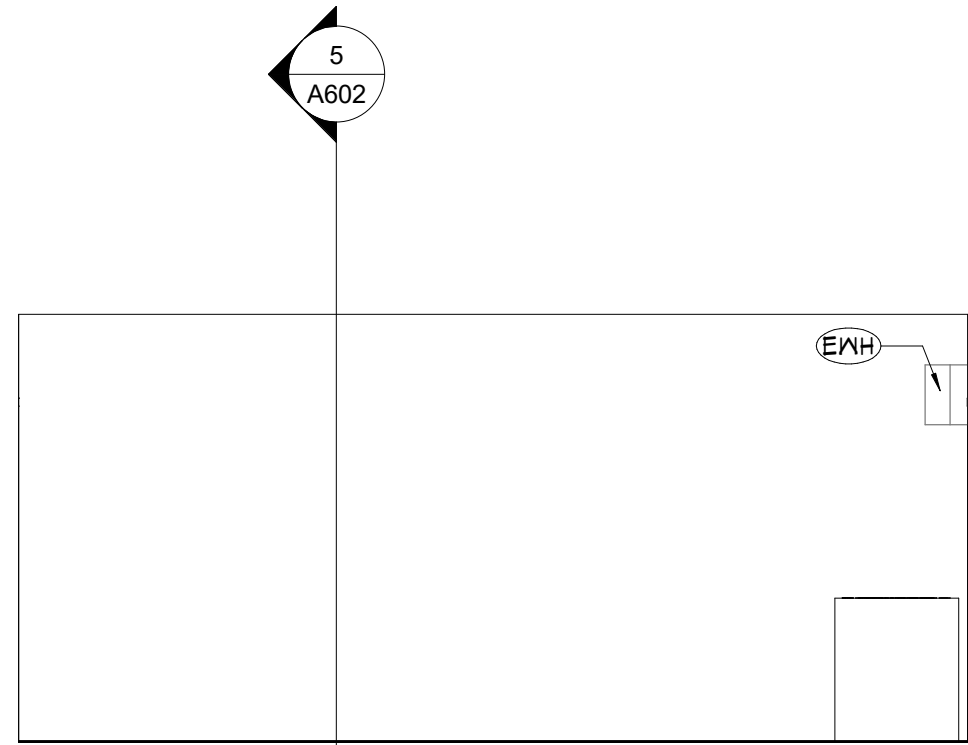
Sheet No.
HSMS
A602
CONSTRUCTION DOCUMENTS

COPYRIGHT © ALL RIGHTS RESERVED

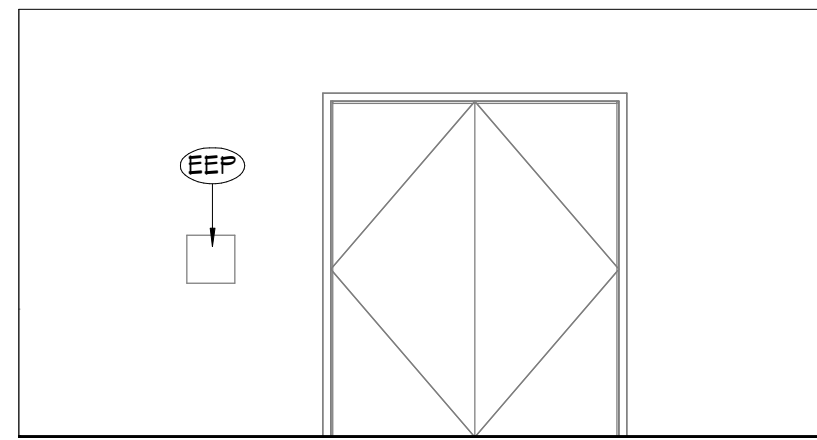
C:\Users\public\Documents\187-2103 VCSO HS-MS_schuldsr.dwt



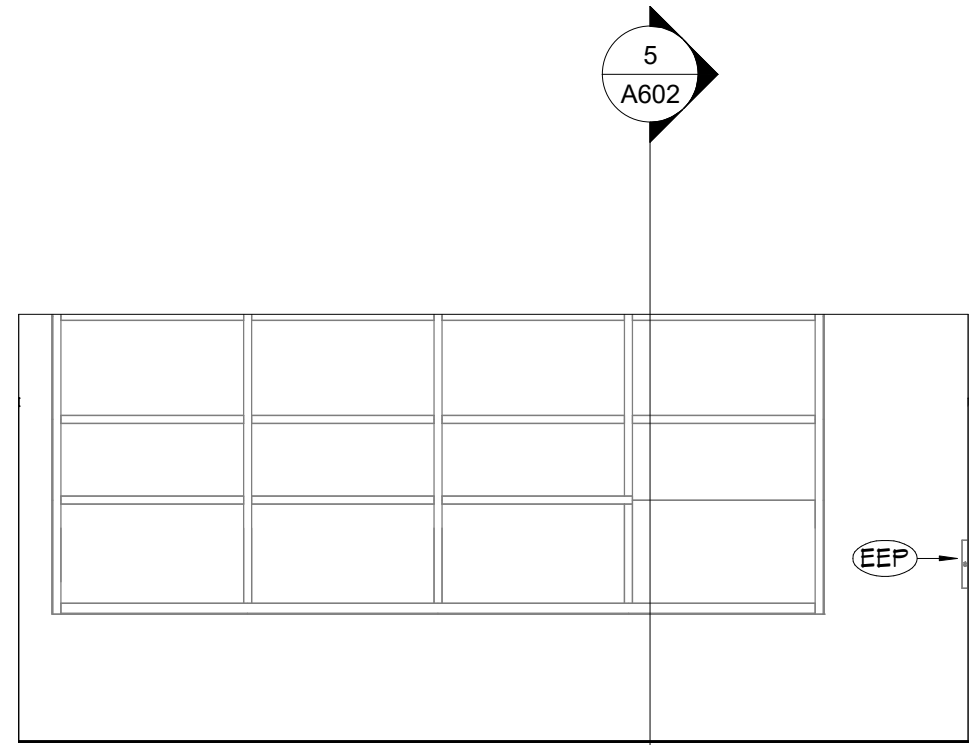
7 STORAGE ROOM - WEST
A603 1/4" = 1'-0"



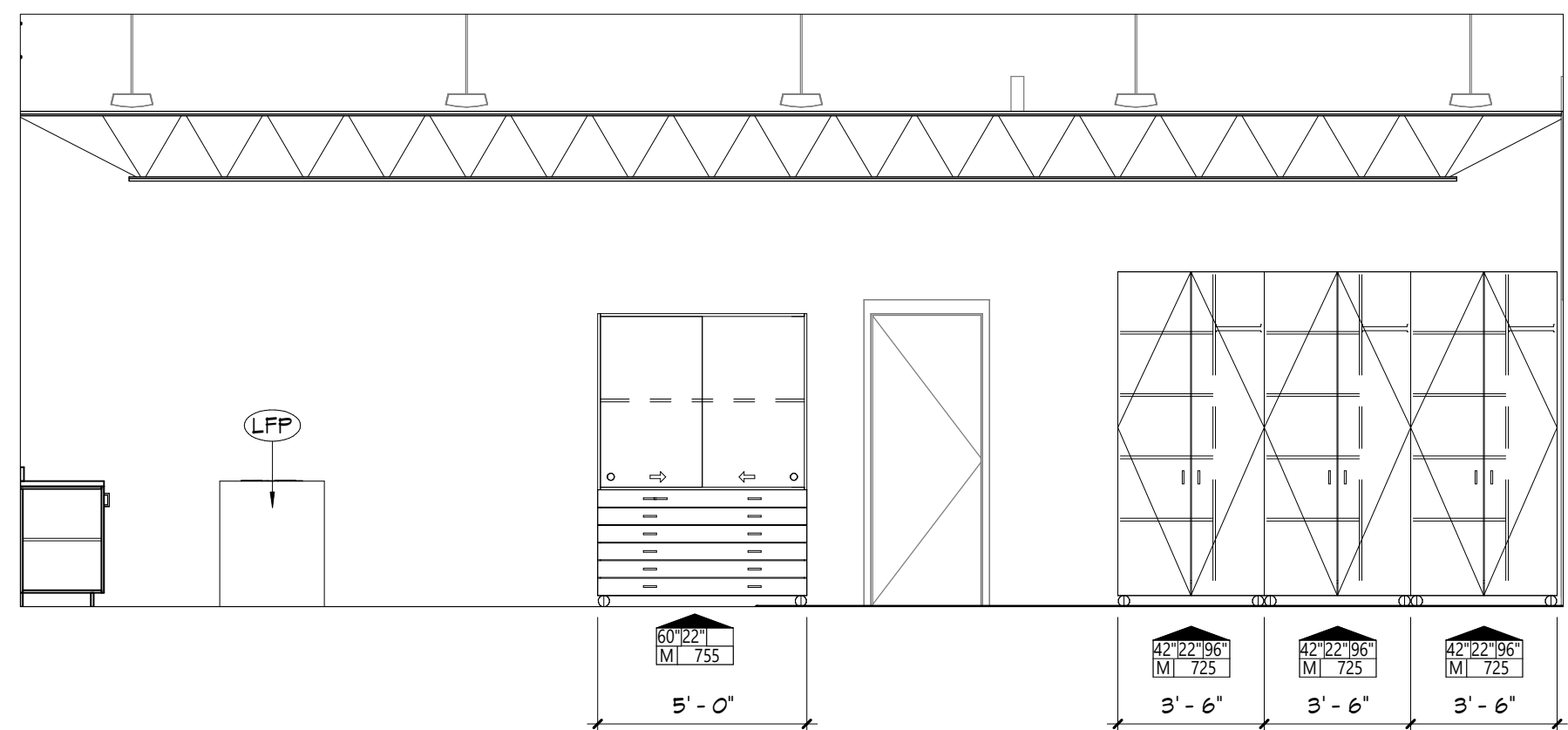
6 STORAGE ROOM - SOUTH
A603 1/4" = 1'-0"



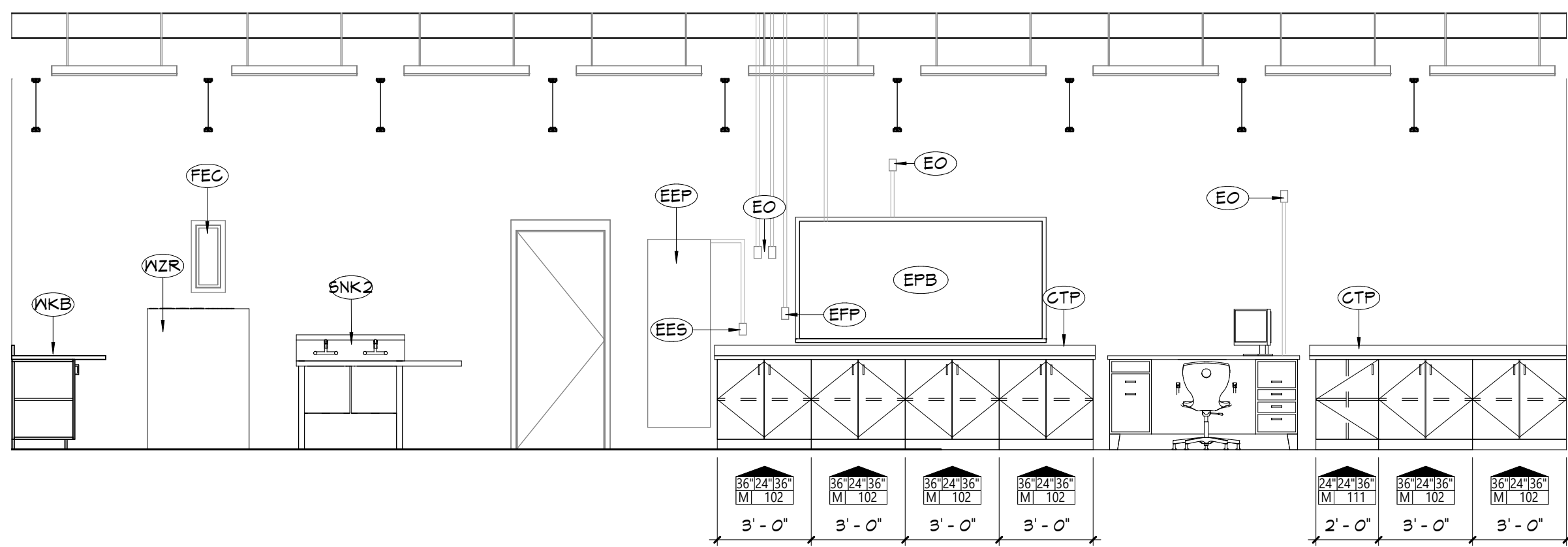
5 STORAGE ROOM - EAST
A603 1/4" = 1'-0"



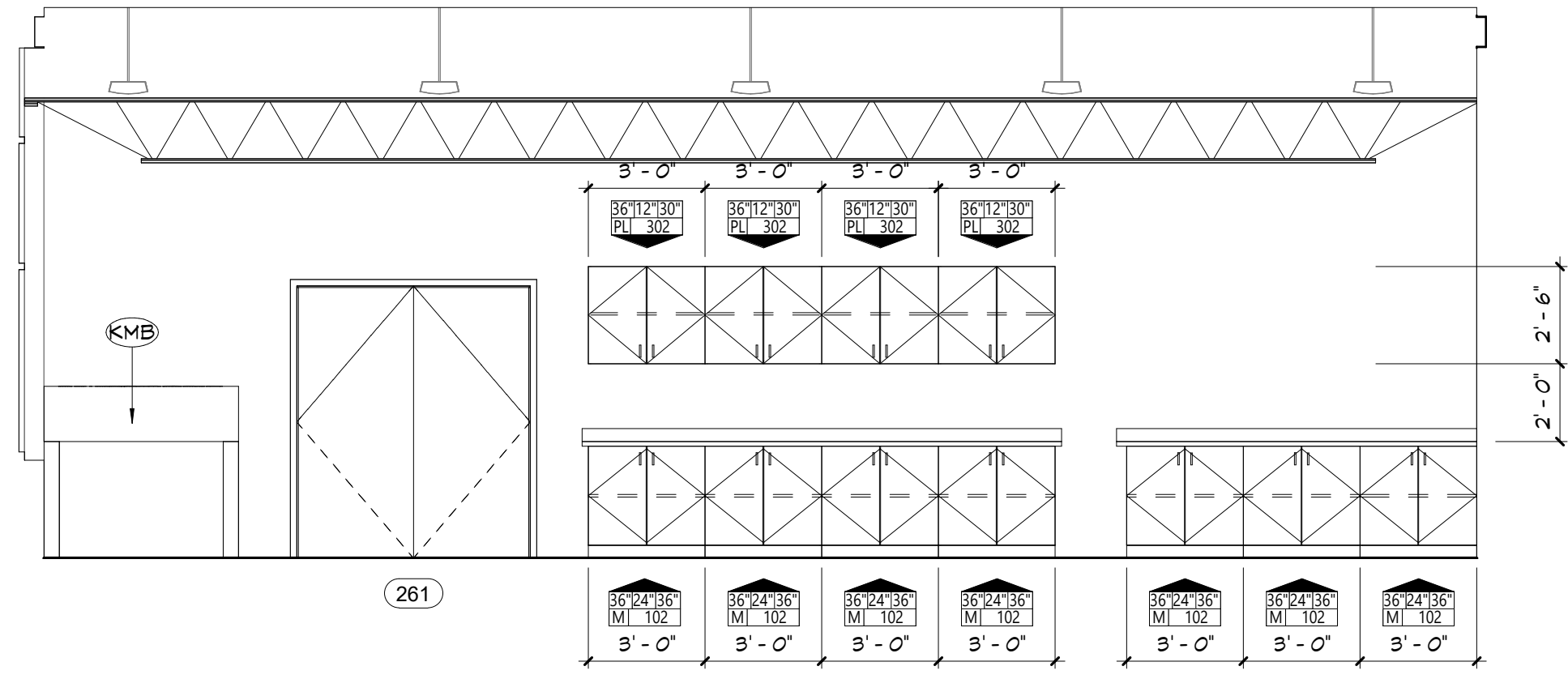
4 STORAGE ROOM - NORTH
A603 1/4" = 1'-0"



3 INTERIOR ELEVATION
INDUSTRIAL ARTS WEST
A603 1/4" = 1'-0"



2 INTERIOR ELEVATION
INDUSTRIAL ARTS SOUTH
A603 1/4" = 1'-0"



1 INTERIOR ELEVATION
INDUSTRIAL ARTS EAST
A603 1/4" = 1'-0"

GENERAL NOTES	
1. ALL CASEWORK SHALL HAVE PLASTIC LAMINATE (PLAM) COUNTERTOPS AND 4" BACK SPLASHES, UNO	
2. INSTALL MATCHING FILLER PANELS IN LOCATIONS SHOWN. ADD MATCHING FILLER PANELS AS REQUIRED FOR FINAL FIT/FINISH.	
3. PROVIDE BLOCKING IN ALL ADJACENT WALLS AS REQUIRED TO INSTALL ALL CASEWORK.	
4. PROVIDE FINISHED END PANEL AT ALL EXPOSED FACES OF CASEWORK.	
5. PROVIDE WALL BASE AS SCHEDULED ON ALL EXPOSED TOE KICK SPACES AND EXPOSED END PANELS.	
CASEWORK NOTES	
AWI DESIGN NUMBER (INDICATES ELEVATION LAYOUT ONLY; REFER TO DETAILS AND SPECIFICATIONS FOR CASEWORK CONSTRUCTION REQUIREMENTS)	
TYPE OF CASEWORK PL = PLASTIC LAMINATE M = METAL W = WOOD	
KEYNOTES	
#	DESCRIPTION
CTP	COUNTERTOP
EFP	EXISTING ELECTRICAL PANEL
EES	EXISTING EMERGENCY SHUT OFF
EFP	EXISTING FIRE PULL ALARM
EO	EXISTING OUTLETS
EPB	EXISTING PROMETHEAN BOARD TO BE RELOCATED AS SHOWN
EPH	EXISTING WALL HEATER
FEZ	EXISTING EXTINGUISHER CABINET
KMB	KREG MACHINING BENCH
LFP	LARGE FORMAT PRINTER
SNK 2	DOUBLE SINK
MKB	METAL WORK BENCH
MZR	MAZER

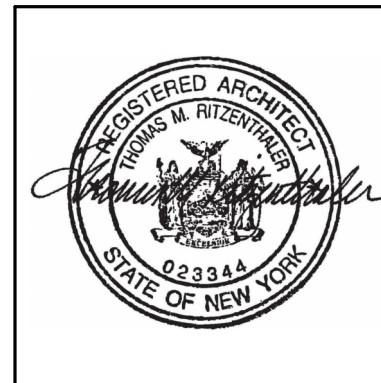
KEY PLAN	

40 Beaver St., Albany, New York 12207-1511
518-463-8866 www.csarch.com

Consultant

VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
ART ROOM AND WOODSHOP ALTERATIONS

Project Title



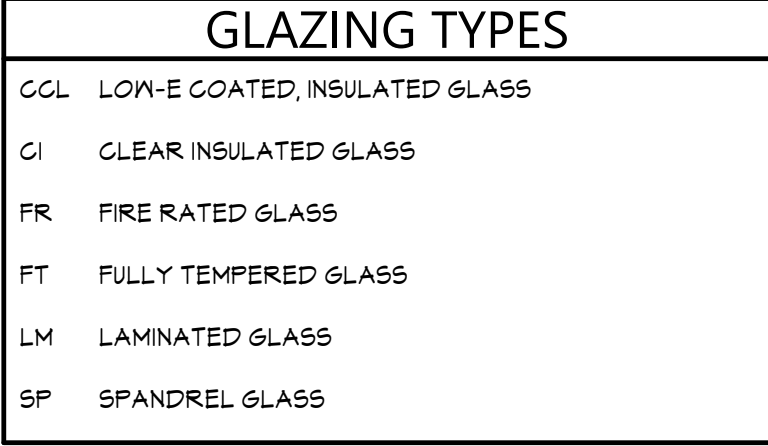
#	DATE	DESCRIPTION

Drawn By:	RVP
Checked By:	44-13-01-86-015-031
CSArch Proj. #:	187-2103
Issued for Bid:	10/31/2023

Sheet Title
INTERIOR
ELEVATIONS -
INDUSTRIAL
ARTS

Sheet No.
HSMS
A603


CONSTRUCTION DOCUMENTS



VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
ART ROOM AND WOODSHOP ALTERATIONS

Project Title



	DATE	DESCRIPTION

Drawn By:	Author
Checked By:	Checker
Proj. #:	44-13-01-06-0-015-031
CSArch Proj. #:	187-2103
Issued for Bid:	10/31/2023

Sheet Title

DOOR
SCHEDULE,
ELEVATIONS,
AND DETAILS

Sheet No. HSMS
A901

CONSTRUCTION DOCUMENTS

A key plan diagram showing the layout of the site. It features a large, irregular white polygon representing the site boundary. A smaller, solid grey polygon is located in the upper right portion of the site, representing the existing building. A north arrow is positioned in the bottom left corner, pointing towards the top left of the page.

DISCLAIMER NOTE	
MANUFACTURER'S NAMES AND FINISH INFORMATION ARE INDICATED AS REFERENCED TO THE ARCHITECT'S BASIS-OF-DESIGN SELECTIONS AND HAVE BEEN DETERMINED PRIOR TO BID. THE CONTRACTOR AND OWNER ARE RESPONSIBLE FOR THE FINISHES INSTALLED IN THE WORK ARE SUBJECT TO CHANGE IN RESPONSE TO SUBMITTALS, CONFIRMED SELECTIONS, PRODUCT AVAILABILITY AND THE UNEXPECTED COORDINATION OF FINISHES BY THE ARCHITECT AND MAY DIFFER FROM PRODUCTS LISTED HEREIN.	
ABBREVIATIONS	
ACMU	ARCHITECTURAL CONCRETE MASONRY UNIT
AGT	ACOUSTICAL CEILING TILE
APC	ACOUSTICAL PANEL CEILING
BBS	BIO-BASED TILE
BRC	BRICK
CFM	CERAMIC FLOOR TILE
GFT	CONCRETE MASONRY UNIT
GCNG	CONCRETE
GRF	CARPET
GTB	CERAMIC TILE BASE
EXT	CERAMIC WALL TILE
CPT	EXISTING TO REMAIN
KNO	EXPOSED
EXBT	EXISTING
FAC/FF	FACED / FINISH
GYP	GYPSONUM PLASTER BOARD
LMS	LINEAR METAL CEILING
MSC	MUSIC STORAGE SYSTEM
MP	METAL PANEL
PLCN	POLISHED CONCRETE
FLAM	POLISHED LAMINATE
PLAS	PLASTER
PNT	PAINT
RAF	RESILIENT ATHLETIC FLOORING
RB	RUBBER BASE
RES	RESINOUS FLOORING
RD	RUBBER STAIR TREAD / LANDING
RT	RUBBER TILE FLOORING
SCNG	SEALED CONCRETE
STB	STAINLESS STEEL
STF	SYNTHETIC TURF FLOORING
STL	STEEL
TER	TERAZZO
VP	TOILET PARTITIONS
TP	TYPICAL
VC	VINYL COMPOSITION TILE
VCTAS	VINYL COMPOSITION TILE ANTI-STATIC
VNG	VINYL WALLCOVERING
WOF	WOOD ATHLETIC FLOORING
NAM	NOG
MAF	MAK-OFF MAT

GENERAL FINISH NOTES

1. ALL EXPOSED SURFACES OF NEW PARTITIONS ARE TO BE PAINTED.
2. WHEN ANY WORK IS PERFORMED ON ANY EXISTING WALL, THE ENTIRE WALL SURFACE IS TO BE PAINTED TO CORNER, UNLESS NOTED OTHERWISE.
3. ALL ELECTRIC, MECHANICAL COMPONENTS AND ELECTRICAL PANELS LOCATED IN A ROOM TO MATCH WALL COLOR.
4. ALL NEW GYM CEILINGS, FASCIAS, AND SOFFITS TO BE PAINTED PNT-2, UNO.
5. ALL EXPOSED CEILING STRUCTURE, DECK, DUCTWORK, CONDUIT AND PIPING TO BE PAINTED PNT-2, UNO.
6. ALL STEEL COLUMNS IN AREAS OF WORK ARE TO BE PAINTED.
7. ALL EXPOSED STEEL ASSOCIATED WITH STAIRS TO BE PAINTED PNT-8, INCLUDING STRINGERS, CHANNELS, RISERS, COLUMNS, PLATES, TUBES, GUARDRAILS, AND CORNER BRACES OF FLOORS, LANDINGS, DECKS, AND STAIR PLANS WITH THE EXCEPTION OF 54 SF, UNO.
8. NEW HM DOORS, DOOR FRAMES AND WINDOW FRAMES AND ETR CORRIDOR DOOR 4 INCH WINDOW FRAMES AS SCHEDULED ON A600 SERIES DRAWINGS, PNT-7.
9. ALL EXPOSED ROOF FACE CMU LOCATIONS TO BE GRAFFITI COATING, TYPICAL FOR INTERIOR LOCATIONS.

FINISH KEYNOTES	
④	DESCRIPTION

FINISH KEYS

Room Number			
Room Name			
BASE	Base Finish		
FLOOR	Floor Finish		
FLOOR ACC	Floor Accent	• Finish Tag	
WALL	Wall Finish		
WALL ACC	Wall Accent		

PNT-# ACCENT PAINT LOCATION

40 Beaver St. · Albany · New York 12207-1511
518-463-8068 www.csarchpc.com

Consultant

VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
ART ROOM AND WOODSHOP ALTERATIONS

Project Title



	DATE	DESCRIPTION

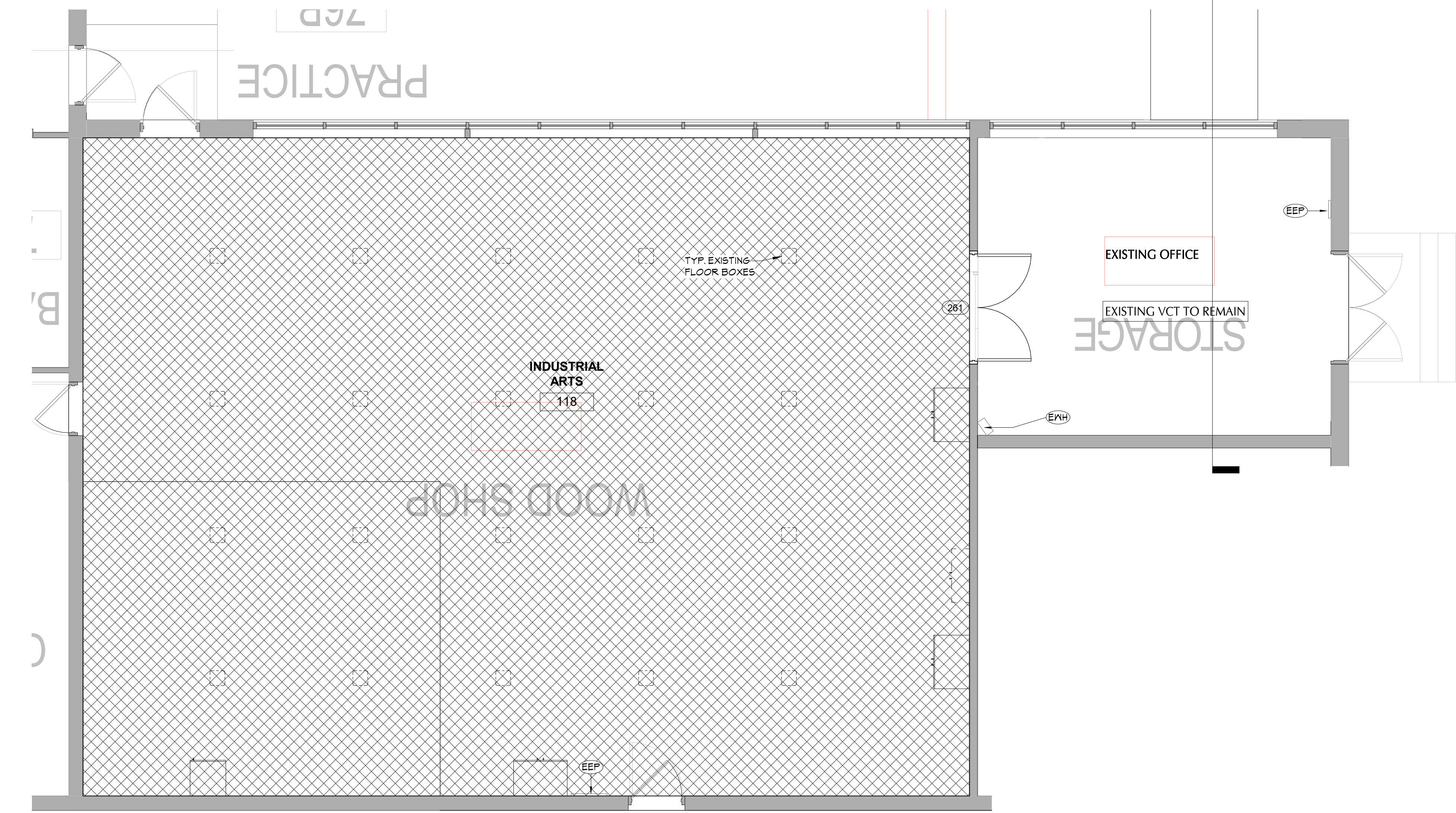
Drawn By:	
Checked By:	
Proj. #:	44-13-01-06-0-015-03
CSArch Proj. #:	187-210
Issued for Bid:	10/31/2023

Sheet Title

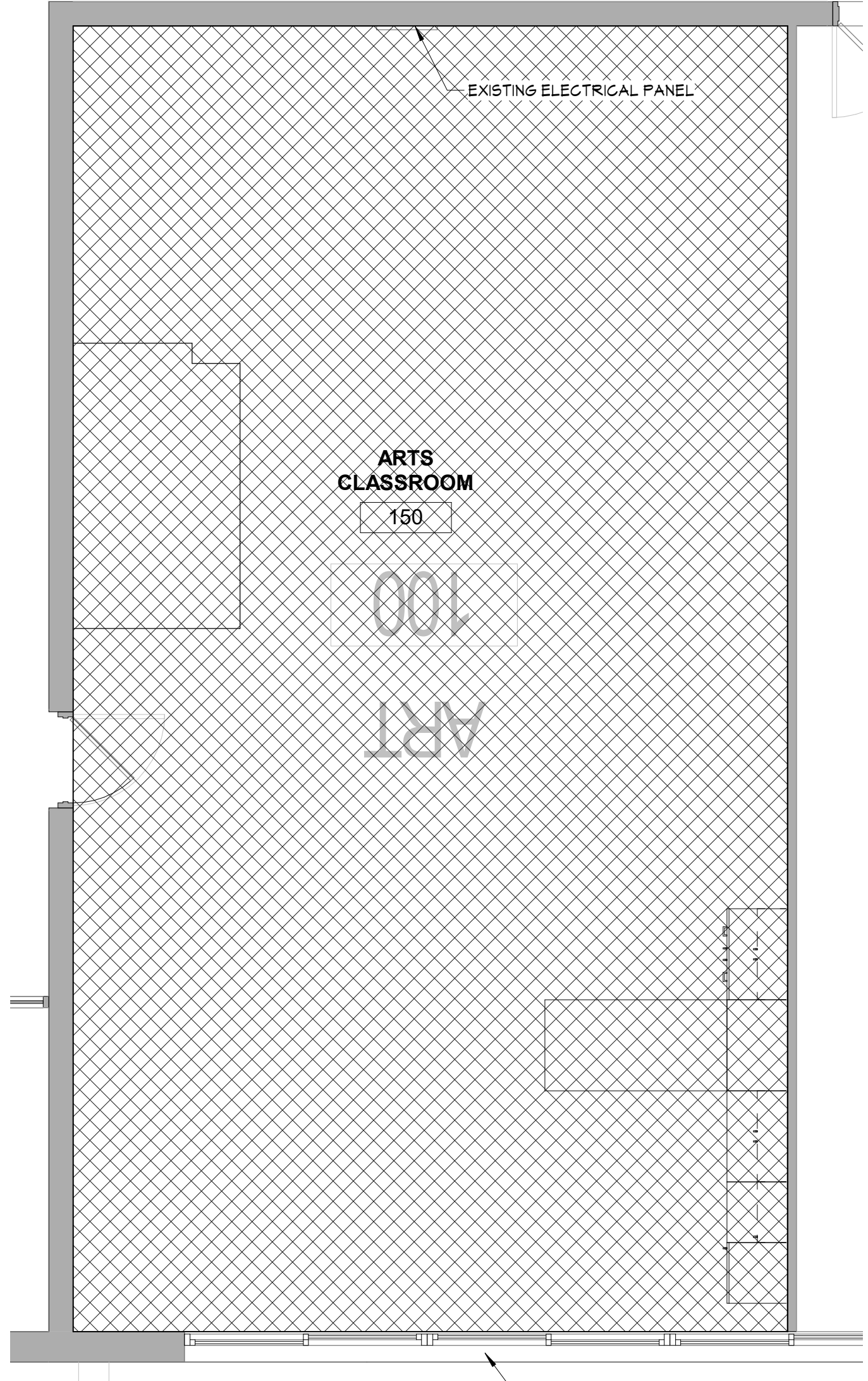
FIRST FLOOR
PARTIAL
FINISH PLAN

Sheet No. **HSMS**
AF101

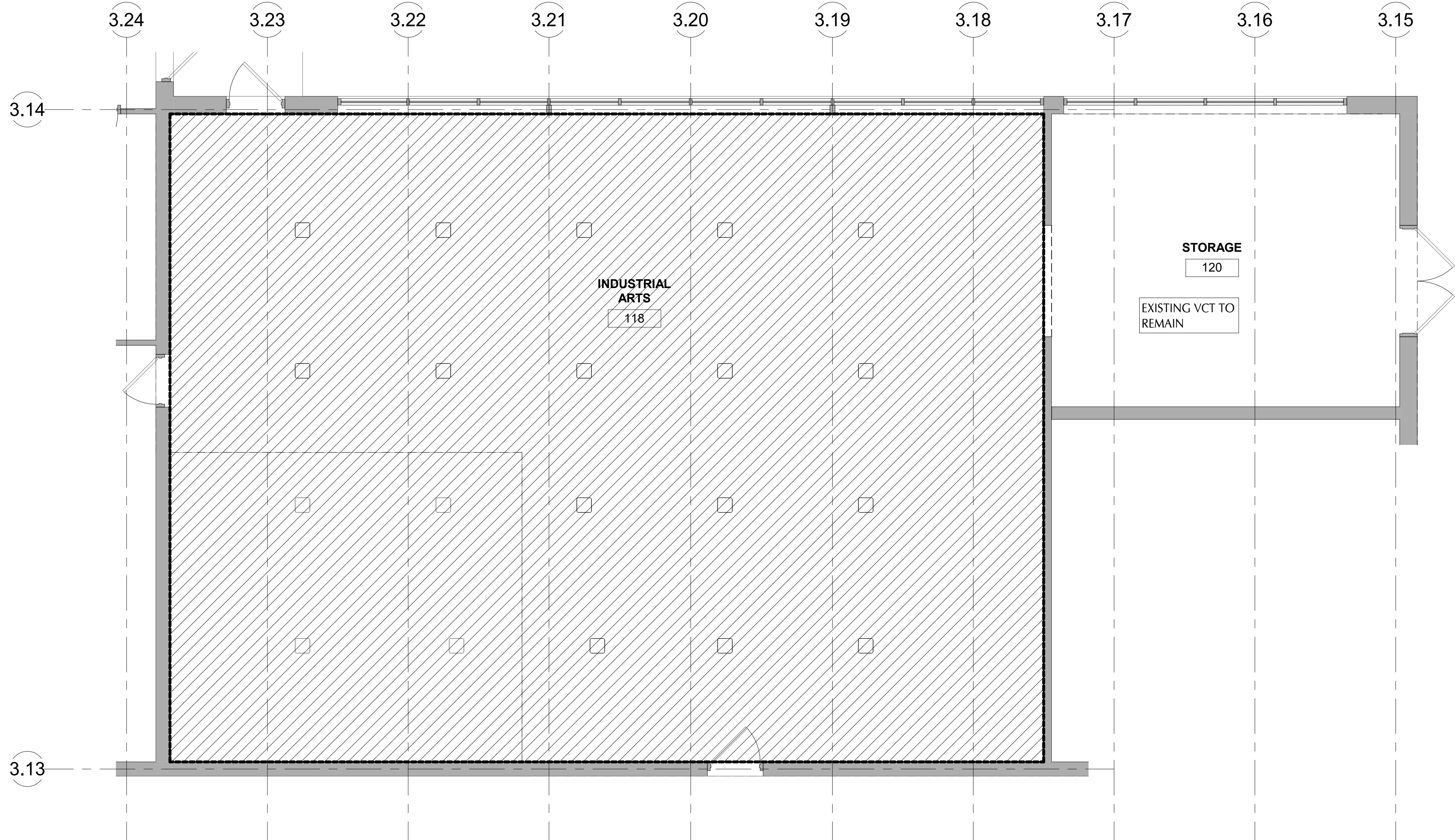
CONSTRUCTION DOCUMENTS



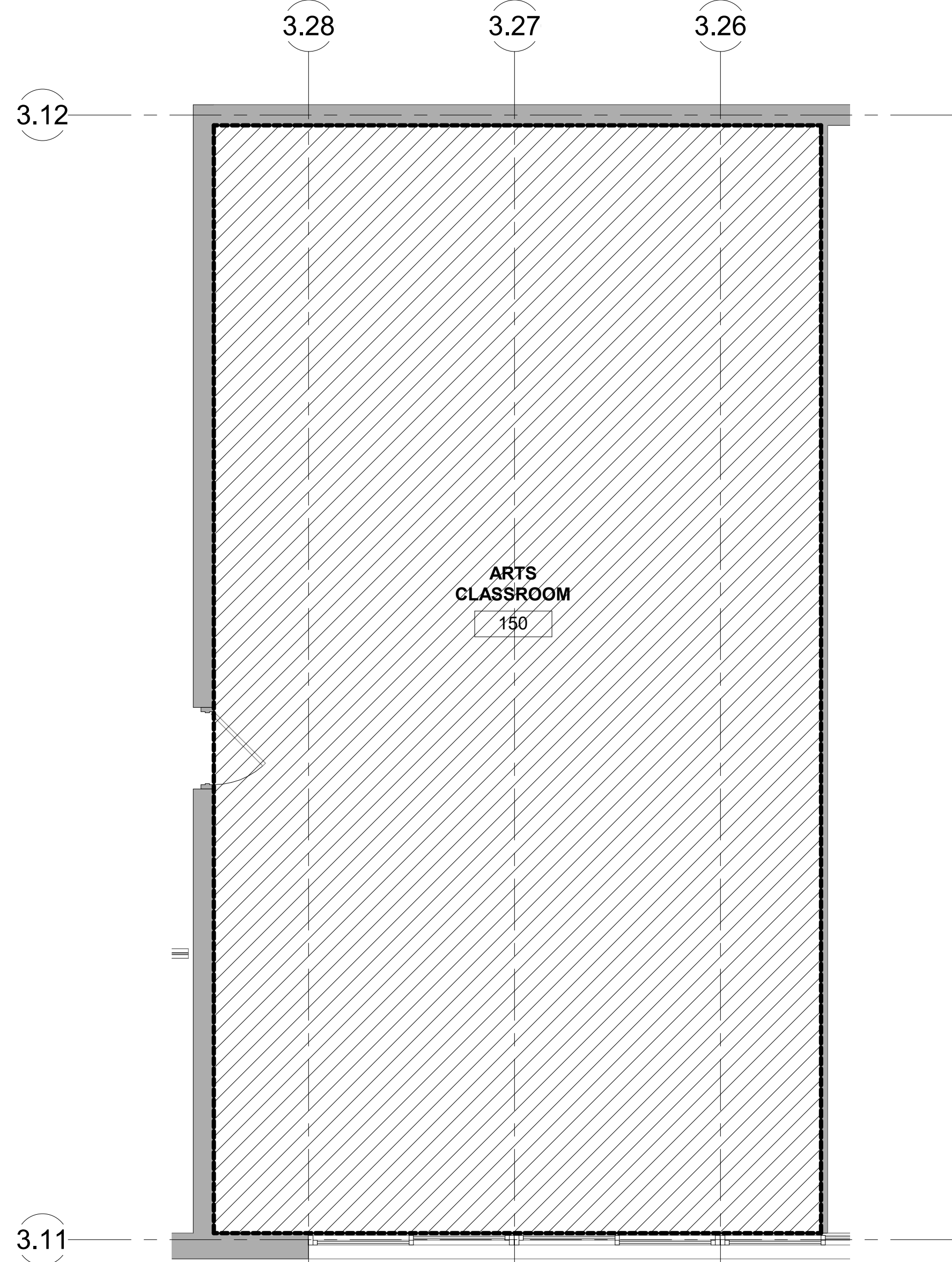
4 ENLARGED FLOOR PLAN
INDUSTRIAL ARTS - ADD ALTERNATE #1
ALT100 1/4" = 1'-0"



3 ENLARGED FLOOR PLAN
ARTS CLASSROOM - ADD ALTERNATE #1
ALT100 1/4" = 1'-0"



2 WORK SHOP DEMO PLAN - ADD ALTERNATE #1
ALT100 1/4" = 1'-0"



1 ART ROOM DEMO PLAN - ADD ALTERNATE #1
ALT100 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

- COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION.
- PATCH AND REPLACE EXISTING AND NEWLY CREATED HOLES IN WALLS (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION.
- SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER, UNLESS OTHERWISE NOTED.
- ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORING SYSTEMS INCLUDING OBJECTS EMBEDDED INTO EXISTING WALLS.
- REFER MEP DRAWINGS FOR ADDITIONAL REMOVAL INFORMATION.
- PROVIDE TEMPORARY SHORING AS NECESSARY AT ALL AREAS OF WALL REMOVAL AND NEW WALL PENETRATIONS.
- DRILL CORNERS OF ALL NEW SANGUIT OPENING PRIOR TO SANGUITTING TO PREVENT CUTTING INTO SCHEDULED CONSTRUCTION TO REMAIN.
- CONTRACTOR TO REMOVE ALL EXISTING ELECTRICAL BOXES AND ASSOCIATED WIRING.

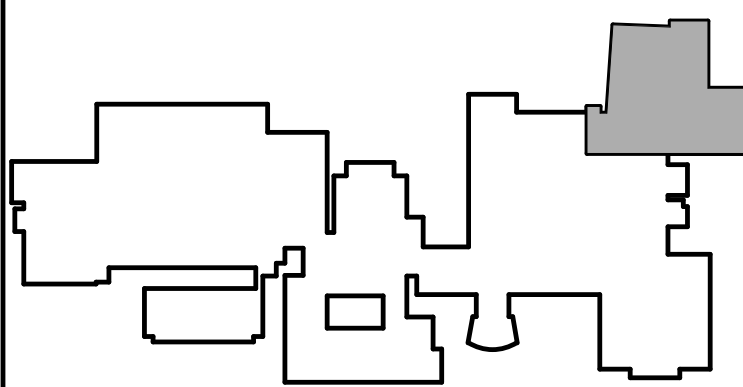
DEMOLITION KEYNOTES

#	DESCRIPTION
EEP	EXISTING ELECTRICAL PANEL
EPH	EXISTING WALL HEATER

DEMOLITION LEGEND

- WALL REMOVAL
- WALL EXISTING TO REMAIN
- REMOVE FLOOR SYSTEM TO ITS ENTIRETY DOWN TO SLAB
- RESINOUS FLOOR SYSTEM - REFER TO SPECIFICATION

KEY PLAN



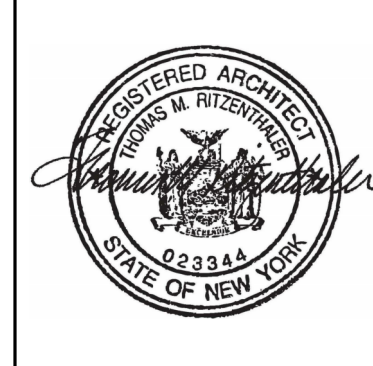
40 Beaver St., Albany, New York 12207-1511
518-463-8806 www.csarch.com

CSARCH

Consultant

VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
ART ROOM AND WOODSHOP ALTERATIONS

Project Title



DATE	DESCRIPTION

Drawn By:	Author
Checked By:	44-13-01-86-0-015-031
CSArch Proj. #:	187-2103
Issued for Bid:	10/31/2023

Sheet Title

ADD
ALTERNATE #1

Sheet No.

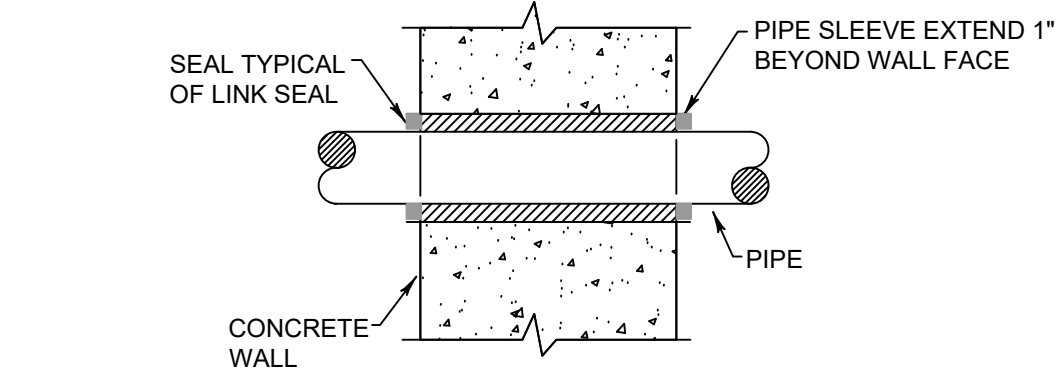
HSMS
ALT100

CONSTRUCTION DOCUMENTS

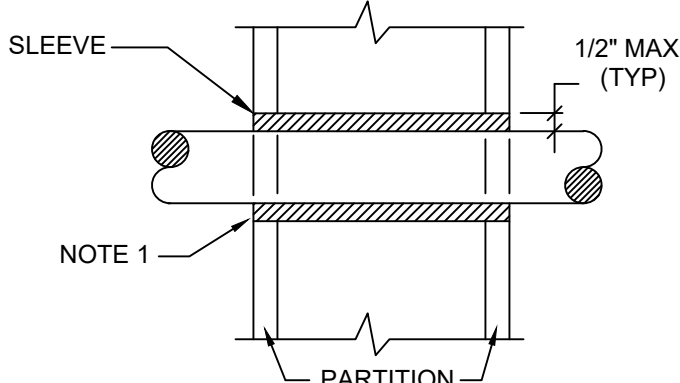
COPYRIGHT © ALL RIGHTS RESERVED

C:\Users\public\Documents\174-2101 CAMPUS WIDE WINDOW SILL REPLACEMENT_174win239CB.rvt

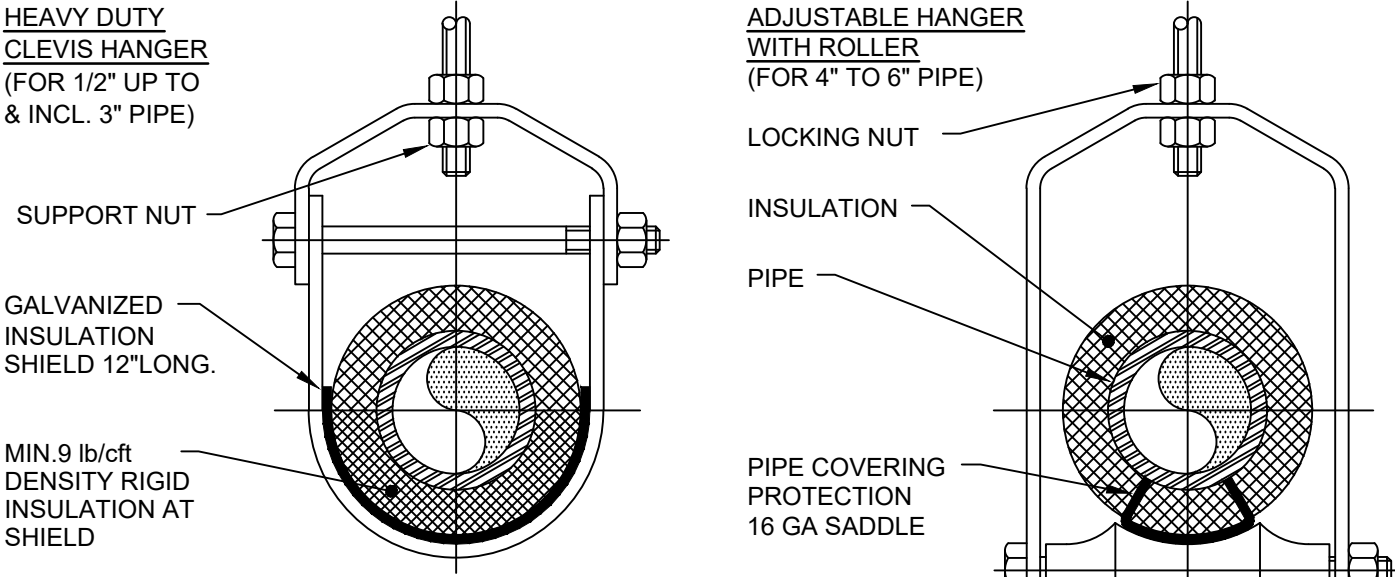
Plumbing Fixture Schedule										
FIXTURE MARK	DESCRIPTION	PIPING CONNECTION				WATER SUPPLY FIXTURE UNITS	DRAINAGE FIXTURE UNITS	ADA (Y/N)	ELECTRONIC CONTROL (Y/N)	MANUFACTURER/MODEL (OR ACCEPTABLE EQUAL)
		H.W.	C.W.	WASTE	VENT					
1	THREE COMPARTMENT SCULLERY SINK	1/2	1/2	2	1-1/2	2.0	2	N	N	3 COMPARTMENT SINK TYPICAL OF ADVANCE TABCO REGALINE 93 SERIES; 16 GAUGE TYPE 304 STAINLESS STEEL, 16"x20" BOWLS, 18" DRAINBOARDS; FURNISH W/ SPLASH MOUNT PRERINSE FAUCET MODEL #DTA-S3
2	TWO COMPARTMENT SCULLERY SINK	1/2	1/2	2	1-1/2	2.0	2	N	N	2 COMPARTMENT SINK TYPICAL OF ADVANCE TABCO REGALINE 93 SERIES; 16 GAUGE TYPE 304 STAINLESS STEEL, 16"x20" BOWLS, 24" DRAINBOARD; FURNISH W/ SPLASH MOUNT PRERINSE FAUCET MODEL #DTA-S3



1 Exterior Wall Pipe Penetrations
PG001 N.T.S.



2 Pipe Penetrations Detail
PG001 N.T.S.



NOTES:
1. PIPE 8" AND LARGER SHALL HAVE ROLLER SUPPORTED WITH DUAL RODS.
2. FOR CHW SERVICE OVER 3" REPLACE SADDLE WITH 12" LONG 14 GA SHIELD WITH RIGID INSULATION BETWEEN PIPE AND SHIELD.

PIPE Ø (IN.)	MAX. SPACING BETWEEN HANGERS (FT.)			MIN. ROD SIZE (IN.)
	STEEL PIPE	COPPER PIPE	CPVC	
1/2 THRU 1	7	5	5	3/8
1-1/2 THRU 2	9	8	6	3/8
2-1/2	11	9	7.5	1/2
3	12	10	7.5	1/2
4	14	12	8.5	5/8
6	17	14	9	3/4
8	19	16	10	7/8
10	22	18	10.5	7/8

3 Pipe Hanger Support
PG001 N.T.S.

Plumbing Legend:	
	DOMESTIC COLD WATER SUPPLY
	110 °F DOMESTIC HOT WATER SUPPLY
	140 °F DOMESTIC HOT WATER SUPPLY
	HOT WATER RETURN
	SANITARY SEWER, ABOVE GRADE
	SANITARY SEWER, BELOW GRADE
	GREASE WASTE, BELOW GRADE
	PLUMBING VENT
	STORM WATER, ABOVE GRADE
	STORM WATER, BELOW GRADE
	NATURAL GAS PIPING
	DIRECTION OF PIPE SLOPE (DOWN)
	CONCENTRIC REDUCER OR INCREASER
	ECCENTRIC REDUCER
	TOP CONNECTION, 45° OR 90°
	BOTTOM CONNECTION, 45° OR 90°
	SIDE CONNECTION
	CAPPED OUTLET
	RISE OR DROP IN PIPE
	UNION
	PIPE UP
	PIPE DOWN
	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
	STRAINER
	HOSE BIB
	SOLENOID VALVE
	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	BUTTERFLY VALVE
	FULL PORT BALL VALVE
	PRESSURE GAUGE
	PRESSURE REDUCING VALVE (PRV)
	DRAIN VALVE
	FLEXIBLE PIPING CONNECTION
	CLEANOUT
	WALL CLEANOUT
	FLOOR CLEANOUT
	CLEANOUT TO GRADE
	DOUBLE CLEANOUT TO GRADE
	PLUMBING FIXTURE MARK

- Plumbing Notes:
- ALL MATERIALS AND EQUIPMENT ARE TO BE NEW, UNUSED, AND FREE FROM DEFECTS OF ANY KIND. THE BASIS OF QUALITY SHALL BE THE LATEST REVISION OF ASTM, ANSI, OR OTHER ACCEPTABLE STANDARDS.
 - THESE DRAWINGS ARE DIAGRAMMATIC, AND INDICATE GENERAL ARRANGEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE REVIEWED THE SITE FOR HIS WORK PRIOR TO HAVING SUBMITTED HIS PROPOSAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CONDITIONS FOUND DURING THE COURSE OF THE CONTRACT.
 - THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.
 - ALL CUTTING, PATCHING, FIRE-STOPPING, AND SURFACE RESTORATION IN CONNECTION WITH THIS TRADE SHALL BE COMPLETED BY THIS CONTRACTOR.
 - THIS CONTRACTOR SHALL PAY ALL FEES, GIVE ALL NOTICES, FILE ALL NECESSARY DRAWINGS, AND OBTAIN ALL PERMITS, INSPECTIONS AND CERTIFICATES OF APPROVAL REQUIRED IN CONNECTION WITH WORK UNDER THIS CONTRACT.
 - ALL WORK IN ASSOCIATION WITH THIS CONTRACT SHALL BE COMPLETED IN STRICT COMPLIANCE WITH THE 2020 BUILDING CODE OF NEW YORK STATE, 2020 PLUMBING CODE OF NEW YORK STATE, 2020 FUEL GAS CODE OF NEW YORK STATE & 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.
 - WHERE THE PROJECT INVOLVES A GAS SERVICE, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION, APPLICATIONS AND FEES OF ALL WORK ASSOCIATED WITH THE LOCAL GAS UTILITY COMPANY. ALL WORK INVOLVING THE GAS UTILITY COMPANY SHALL BE COMPLETED IN ACCORDANCE WITH THEIR REGULATIONS AND GUIDELINES.
 - ALL DOMESTIC COLD AND HOT WATER PIPING AND FITTINGS ARE TO BE INSULATED WITH 1" THICK RIGID ONE-PIECE MOLDED SECTIONAL FIBERGLASS PIPE COVERING WITH UNIVERSAL JACKET. ALL JOINTS ARE TO BE COMPLETELY SEALED A MINIMUM OF 6" BEYOND JOINT ENDS.
 - ALL PIPING SHALL BE PROPERLY SUPPORTED AND ROUTED PARALLEL OR PERPENDICULAR TO BUILDING WALLS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORT HANGERS AND MISCELLANEOUS METALS REQUIRED FOR PROPER INSTALLATION OF WORK.
 - ALL EXPOSED PIPING, FITTINGS, TRAPS, ESCUTCHEONS, VALVES, ETC. SHALL BE CHROME PLATED.
 - SLOPE SANITARY DRAINAGE PIPING 2" DIAMETER AND SMALLER NOT LESS THAN 1/4" PER FOOT. SLOPE SANITARY DRAINAGE PIPING OVER 2" DIAMETER NOT LESS THAN 1/8" PER FOOT.
 - INSTALL A CLEANOUT AT THE BASE OF EACH SOIL STACK, AT EACH CHANGE IN DIRECTION, AT INTERVALS NOT OVER 50 FEET AND ELSEWHERE AS SHOWN ON DRAWINGS OR REQUIRED BY CODE.
 - PROVIDE EXPOSED PIPING WITH CHROME PLATED CAST BRASS ESCUTCHEON WITH SET SCREW WHERE PENETRATING FLOORS, CEILINGS, WALLS OR PARTITIONS.
 - TEST PIPING AND PROVE TIGHT FOR AT LEAST TWO HOURS IN ACCORDANCE WITH REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION AND/OR AS SPECIFIED. TEST SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER AND LOCAL INSPECTOR. TEST SHALL BE REPEATED IF NECESSARY UNTIL FINAL APPROVAL OF SYSTEM IS OBTAINED.
 1. WATER & GAS PIPING TO BE AIR-PRESSURE TESTED TO 1-1/2 TIMES MAXIMUM WORKING PRESSURE.
 2. DRAINAGE, WASTE & VENT PIPING TO BE TESTED BY FILLING THE SYSTEM WITH WATER TO 10-FEET ABOVE HIGHEST POINT.
 - SUPPORT HORIZONTAL PIPING UTILIZING A SPACING PER PIPING MANUFACTURER'S REQUIREMENTS.
 - INSTALL VALVES ON THE ENTIRE DISTRIBUTION SYSTEM, SO LOCATED AS TO GIVE COMPLETE CONTROL TO ALL FIXTURES AND EQUIPMENT.
 - INSTALL DRAIN VALVES AT BASE OF ALL RISERS AND AT LOW POINTS OF PIPING SYSTEM.
 - THE CONTRACTOR IS RESPONSIBLE TO TEST ALL EQUIPMENT, PIPING, FIXTURES, AND SYSTEMS INSTALLED UNDER THIS CONTRACT TO ENSURE PROPER OPERATION PRIOR TO FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
 - THE CONTRACTOR IS RESPONSIBLE TO DETERMINE WHETHER SPECIAL LICENSING IS REQUIRED IN ORDER TO PERFORM THE REQUIRED WORK IN THE MUNICIPALITY WHERE THE PROJECT IS LOCATED. IF THE CONTRACTOR CANNOT OBTAIN THE REQUIRED LICENSING TO COMPLETE THE WORK WITHIN THE PROJECT SCHEDULE, THEN THE CONTRACTOR SHALL NOT BE PERMITTED TO BID ON THIS PROJECT.
 - CONTRACTOR IS RESPONSIBLE TO CREATE AND SUBMIT RED-LINE "AS-BUILT" PLANS TO THE ENGINEER AT THE END OF THE PROJECT. AS-BUILT PLANS SHALL ACCURATELY REPRESENT THE SYSTEMS AS THEY WERE INSTALLED.

VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
ART AND WOODSHOP ALTERATIONS

Project Title



#	DATE	DESCRIPTION

Drawn By: BJK
Checked By: 44-13-01-06-0-015-031
CSArch Proj. #: 187-2103
Issue Date: 10/31/2023

Sheet Title
PLUMBING
NOTES,
SCHEDULE,
LEGEND &
DETAILS

Sheet No.
VCHS
PG001

CONSTRUCTION DOCUMENTS

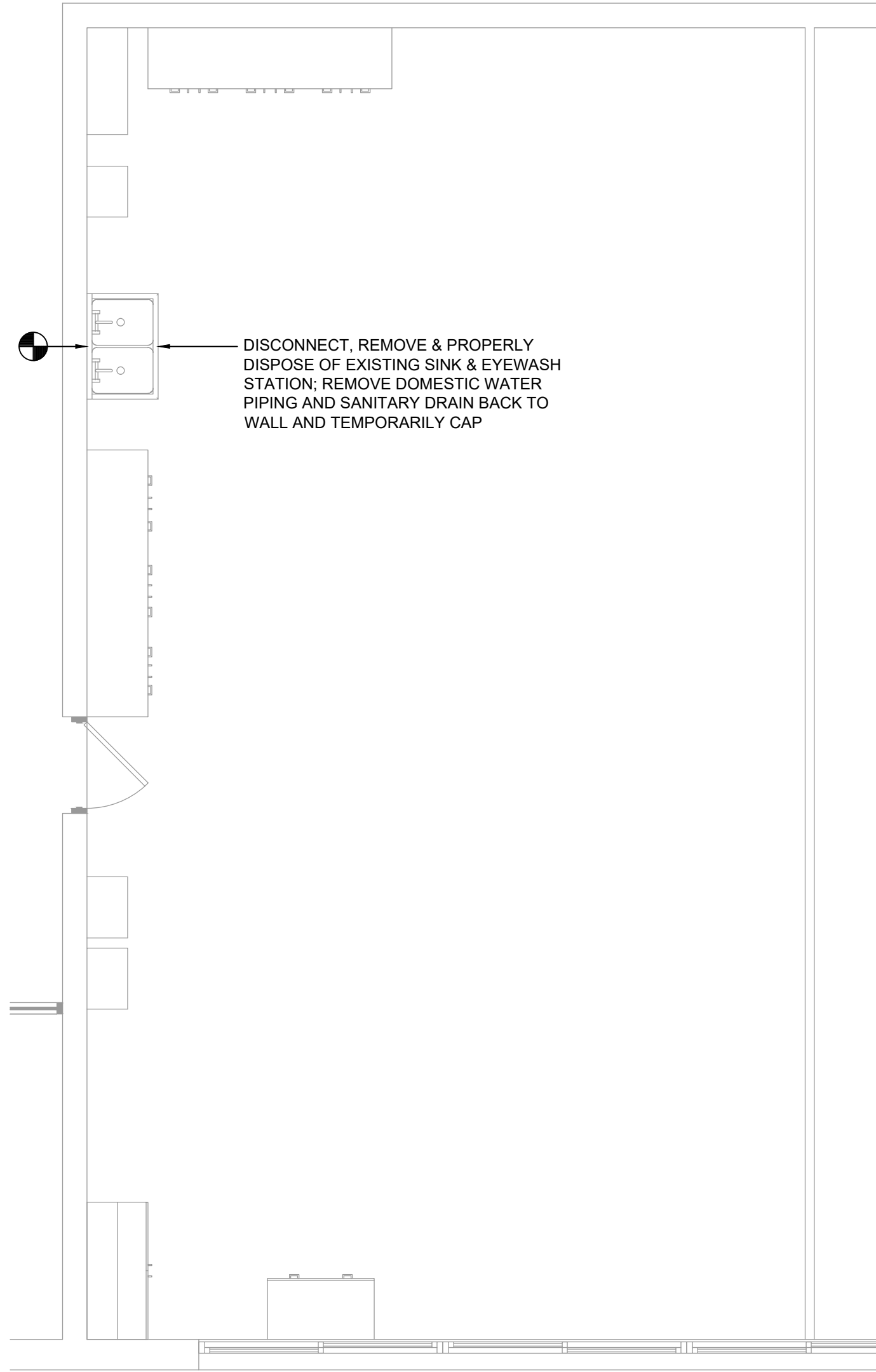
C:\Users\public\Documents\174-2101 CAMPUS WIDE WINDOW SILL REPLACEMENT_174\win239CB.rvt

1

P101

Plumbing Demolition Plan

Scale: 1/4" = 1'-0"

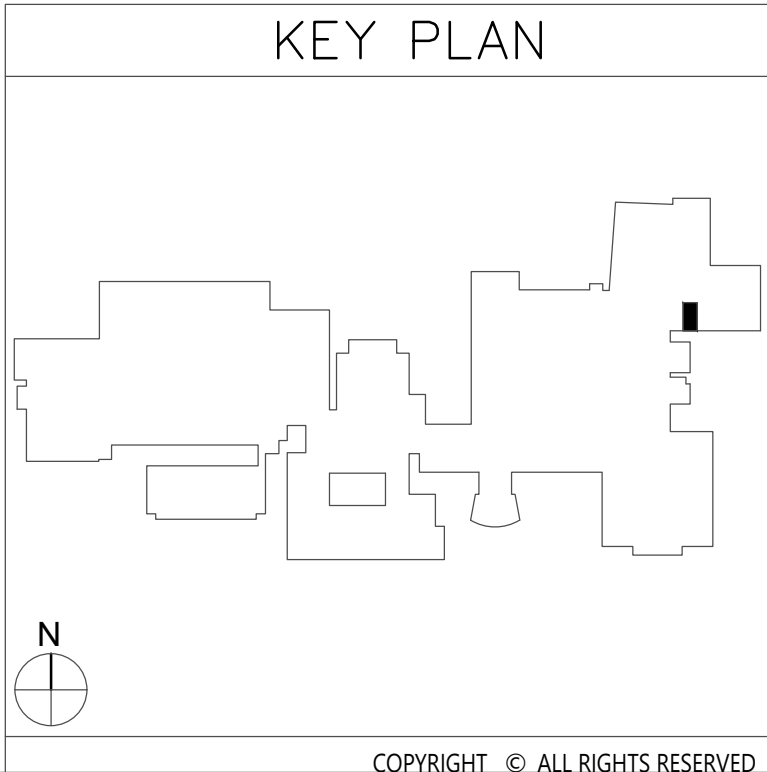
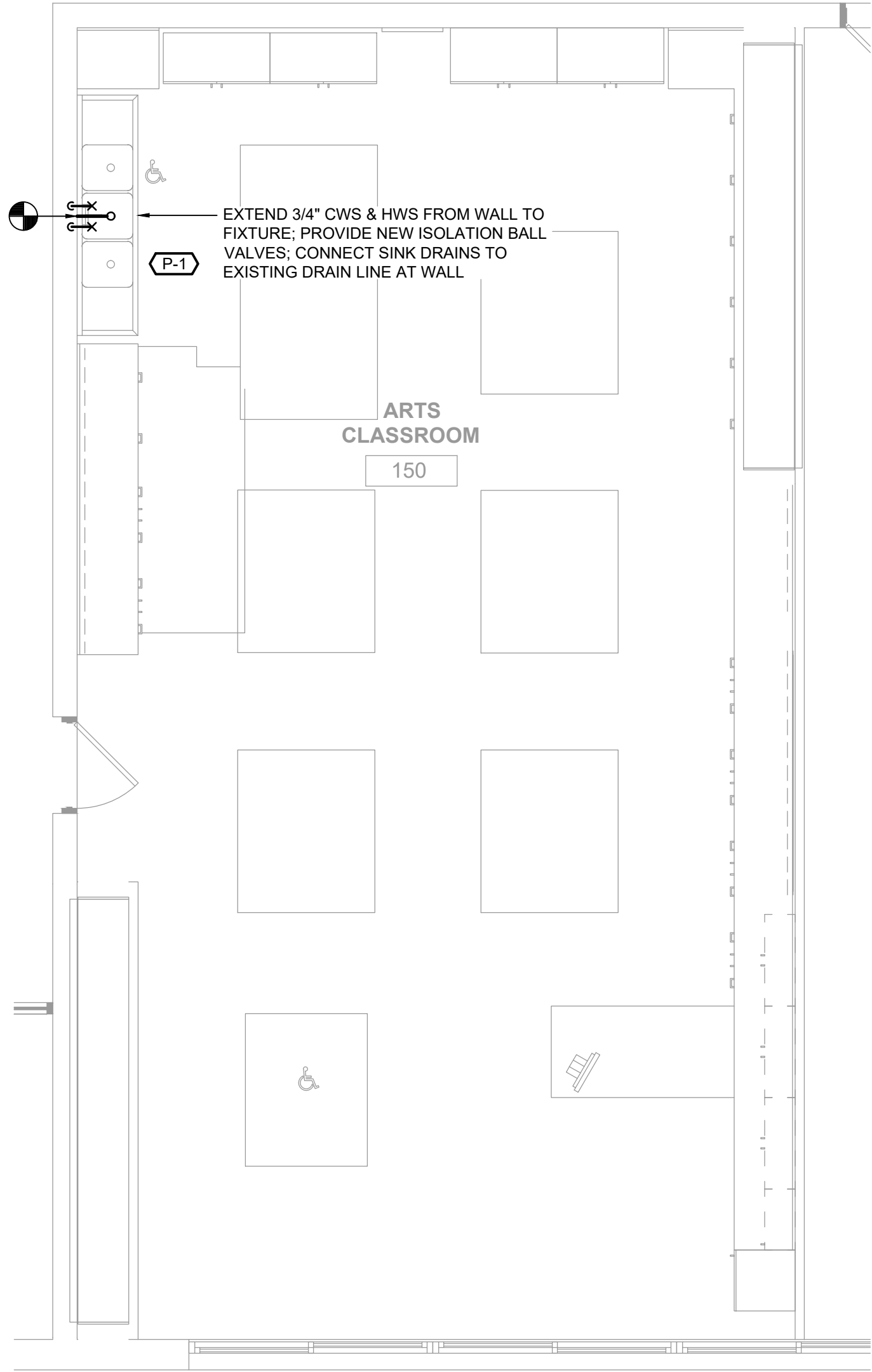


2

P101

Plumbing Plan

Scale: 1/4" = 1'-0"



19 Front St., Newburgh, New York 12550-7601
845-561-3779 www.csarchp.c.com

Consultant

B

BLAKE ENGINEERING PLLC
NEW YORK STATE LICENSE #00000000000000000000

VALLEY CENTRAL SCHOOL DISTRICT

VALLEY CENTRAL HIGH SCHOOL

ART AND WOODSHOP ALTERATIONS

Project Title

STATE OF NEW YORK

SEAL

NEW YORK

000000

REGISTERED PROFESSIONAL ENGINEER

#	DATE	DESCRIPTION

Drawn By:

BLK

Checked By:

BLK

Proj. #:

44-13-01-06-0-015-031

CSArch Proj. #:

187-2103

Issue Date:

10/31/2023

Sheet Title

ART CLASSROOM PLUMBING PLANS

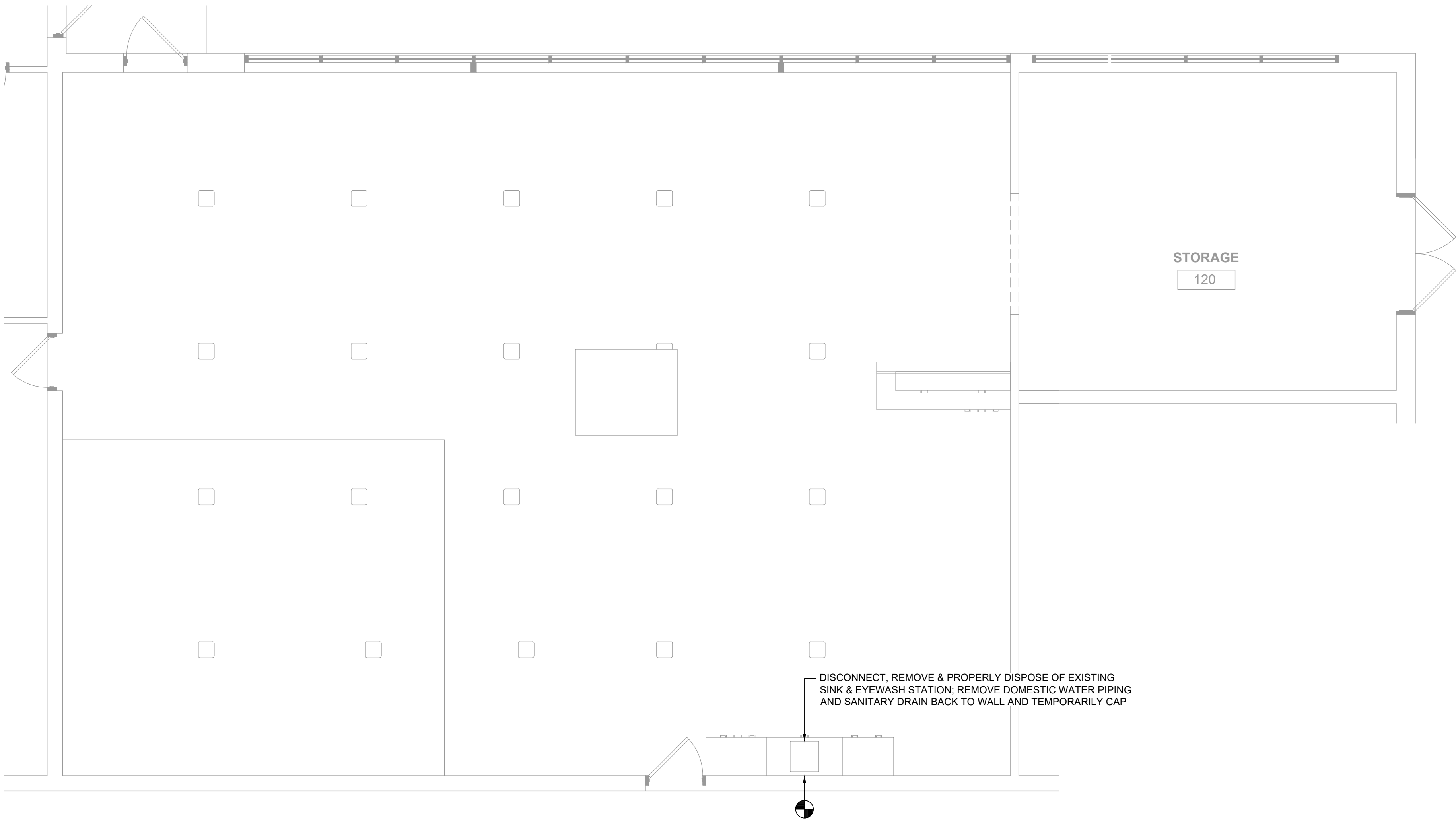
Sheet No.

VCHS P101

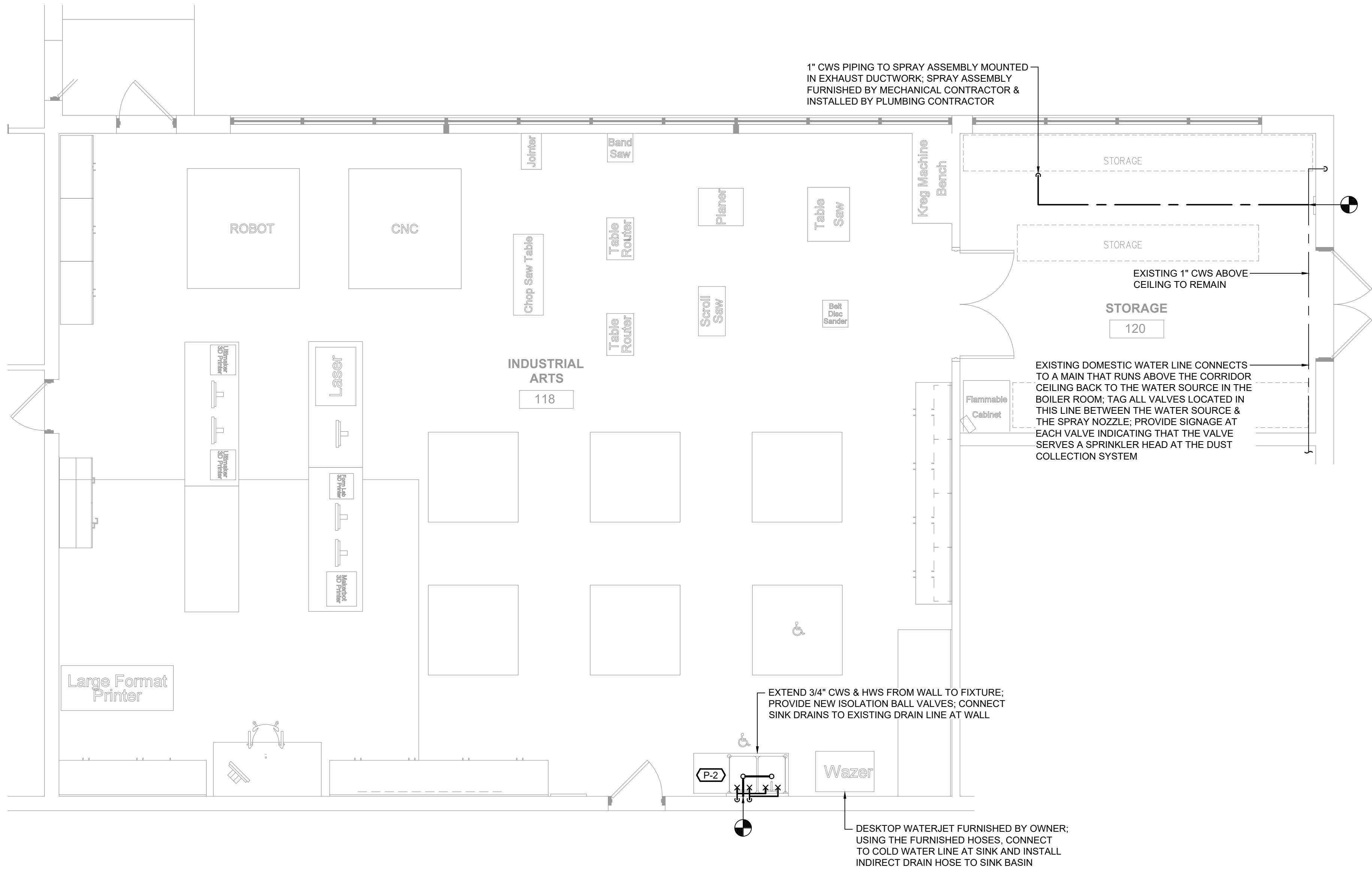
CONSTRUCTION DOCUMENTS

CSARCH

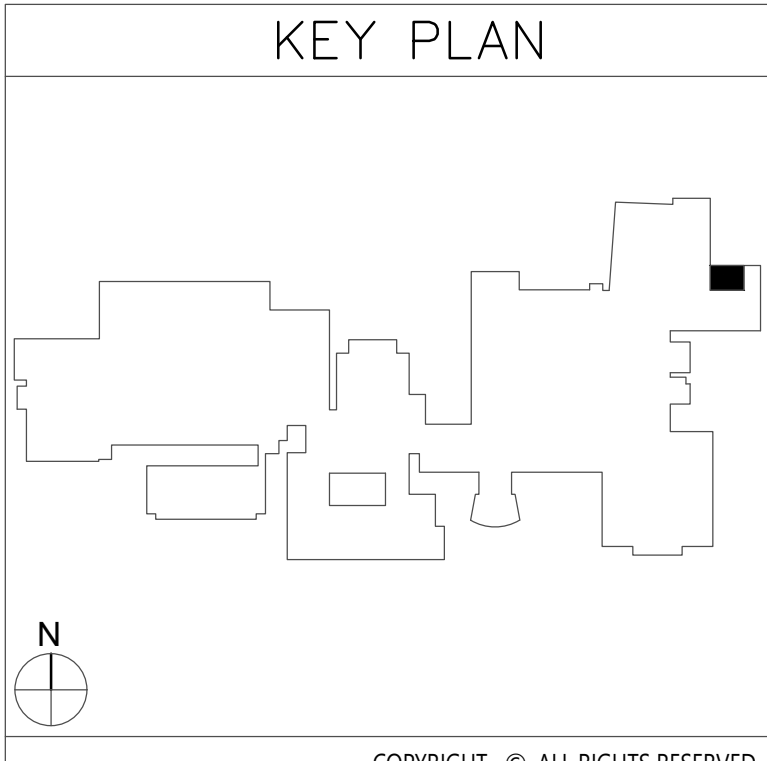
C:\Users\public\Documents\174-2101 CAMPUS WIDE WINDOW SILL REPLACEMENT_174win239CB.rvt



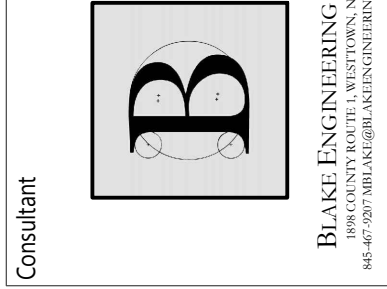
1 Plumbing Demolition Plan
Scale: 1/4" = 1'-0"



2 Plumbing Plan
Scale: 1/4" = 1'-0"



VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
ART AND WOODSHOP ALTERATIONS



Consultant
BLAKE ENGINEERING PLLC
100 W. 10TH STREET, SUITE 200
NEW YORK, NY 10011



#	DATE	DESCRIPTION

Drawn By: BJK
Checked By: BJK
Proj. #: 44-13-01-06-0-015-031
CSArch Proj. #: 187-2103
Issue Date: 10/31/2023

Sheet Title
INDUSTRIAL
ARTS
PLUMBING
PLANS

Sheet No.
VCHS
P102

CONSTRUCTION DOCUMENTS

Project Title

19 Front St., Newburgh, New York 12550-7601
845-561-3379 www.csarchpc.com

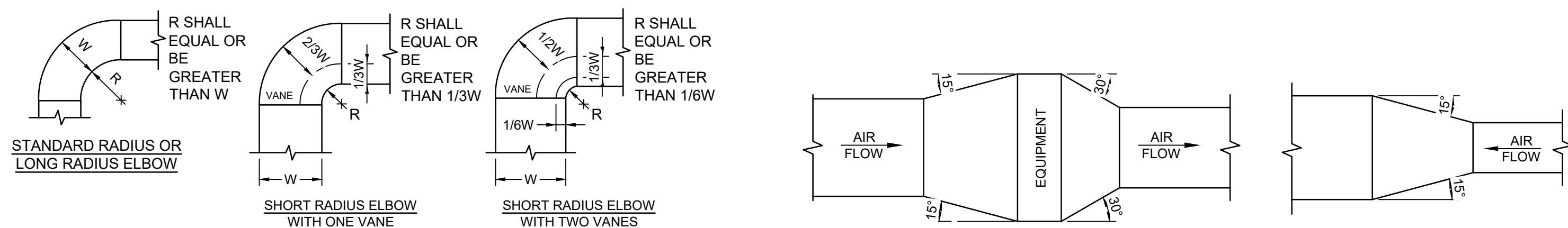
CSARCH

COPYRIGHT. ©. ALL RIGHTS RESERVED.

THICKNESS & REINFORCING SCHEDULE - * LOW PRESSURE DUCTWORK						
* NOTE: LOW PRESSURE DUCTWORK SHALL BE DUCTWORK IN WHICH THE PRESSURE DOES NOT EXCEED 2" WATER GAUGE.						
GREATEST DUCT DIMENSION	STEEL DUCTS U.S. STANDARD GAUGE	ALUMINUM DUCTS B & S GAUGE	LONGITUDINAL SEAM	TRANSVERSE JOINT SMALLEST DIMENSION	TRANSVERSE JOINT GREATEST DIMENSION	REINFORCING (ALL DUCTS 18" THRU 54" SHALL BE CROSSBROKEN)
12" OR LESS	26	24(0.020")	PITTSBURGH OR ACME LOCK	DRIVE SLIP OR POCKET LOCK OR BAR SLIP	PLAIN "S" SLIP OR POCKET LOCK OR BAR SLIP	NONE REQUIRED
13" THRU 18"	24	22(0.025")	PITTSBURGH OR ACME LOCK	DRIVE SLIP OR POCKET LOCK OR BAR SLIP	PLAIN "S" SLIP OR POCKET LOCK OR BAR SLIP	NONE REQUIRED
19" THRU 30"	24	22(0.025")	PITTSBURGH OR ACME LOCK	HEMMED "S" SLIP OR DRIVE SLIP OR 1" POCKET LOCK	HEMMED "S" SLIP OR BAR SLIP OR 1" POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1"x1"x18" ANGLES AT 4 FT. O.C. FASTENED ON 8" CENTERS
31" THRU 42"	22	20(0.032")	PITTSBURGH OR ACME LOCK	DRIVE SLIP 18" OR LESS BAR SLIP REINFORCED BAR SLIP OR POCKET LOCK	BAR SLIP OR REINFORCED BAR SLIP OR POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1"x1"x18" ANGLES AT 4 FT. O.C. FASTENED ON 8" CENTERS
43" THRU 54"	22	20(0.032")	PITTSBURGH LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP OR 1 1/2" POCKET LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP OR 1 1/2" POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1"x1"x18" ANGLES AT 4 FT. O.C. FASTENED ON 8" CENTERS
55" THRU 60"	20	18(0.040")	PITTSBURGH LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1"x1"x18" ANGLES AT 4 FT. O.C. FASTENED ON 8" CENTERS
61" THRU 84"	20	18(0.040")	PITTSBURGH LOCK	REINFORCED BAR SLIP, OR ANGLE SLIP, ALTERNATE BAR SLIP, OR ANGLE REINFORCED POCKET LOCK	REINFORCED BAR SLIP, OR ANGLE SLIP, ALTERNATE BAR SLIP, OR ANGLE REINFORCED POCKET LOCK	REINFORCE ALL SIDES OVER 60" WITH 1 1/2"x1 1/2"x18" ANGLES ON 2'-0" CENTERS. SIDES UNDER 60" NEED NO REINFORCING IF JOINTS ARE ON 4'-0" CENTERS. IF JOINTS ARE ON 8'-0" CENTERS REINFORCE WITH 1 1/2"x1 1/2"x18" ANGLES ON 4'-0" CENTERS.
85" THRU 96"	18	16(0.051") (LONGITUDINAL SEAM MAY BE STANDING SEAM)	PITTSBURGH LOCK	1 1/2" COMPANION ANGLES, OR ANGLE REINFORCED POCKET LOCK, OR 1 1/2" ANGLE SLIP OR REINFORCED BAR SLIP	1 1/2" COMPANION ANGLES, OR ANGLE REINFORCED POCKET LOCK, OR 1 1/2" ANGLE SLIP OR REINFORCED BAR SLIP	REINFORCE ALL SIDES OVER 84" WITH 1 1/2"x1 1/2"x18" ANGLES ON 2'-0" CENTERS. SIDES 61" THRU 84" REINFORCE WITH 1 1/2"x1 1/2"x18" ANGLES ON 2'-0" CENTERS. SIDES 85" OR LESS NEED NO REINFORCING IF JOINTS ARE ON 4'-0" CENTERS. IF JOINTS ARE ON 8'-0" CENTERS REINFORCE WITH 1 1/2"x1 1/2"x18" ANGLES ON 4'-0" CENTERS.
OVER 96"	18	16(0.051") (LONGITUDINAL SEAM MAY BE STANDING SEAM)	PITTSBURGH LOCK	2" COMPANION ANGLE, OR 2"x2"x14" ANGLE SLIP, OR 2"x2"x14" ANGLE REINFORCED POCKET LOCK OR REINFORCED BAR SLIP	2" COMPANION ANGLE, OR 2"x2"x14" ANGLE SLIP, OR 2"x2"x14" ANGLE REINFORCED POCKET LOCK OR REINFORCED BAR SLIP	REINFORCE ALL SIDES OVER 96" WITH 2"x2"x14" ANGLES ON 2'-0" CENTERS. REINFORCE ALL SIDES 85" THRU 96" WITH 1 1/2"x1 1/2"x18" ANGLES ON 2'-0" CENTERS. REINFORCE ALL SIDES 61" THRU 84" WITH 1 1/2"x1 1/2"x18" ANGLES ON 2'-0" CENTERS. REINFORCE ALL SIDES UNDER 60" WITH 1 1/2"x1 1/2"x18" ANGLES IF JOINTS ARE 8'-0" ON CENTER. NO REINFORCING IF JOINTS ARE 4'-0" ON CENTER.

AIR GRILLE/DIFFUSER SCHEDULE													
EQUIPMENT TAG	MANUFACTURER (OR ACCEPT. EQUAL)	MODEL	AIR DEVICE TYPE	AIRFLOW (CFM)		MAX AIR PRESS. DROP (IN. W.C.)	MOUNTING	PANEL/FRAME SIZE (IN.)	NECK SIZE (IN.)	MAX NC	DAMPER	FINISH	NOTES
				MIN.	MAX.								
D-1	TITUS	300RL	DOUBLE DEFLECTION SUPPLY GRILLE	0	2000	0.10	SURFACE MTD.	38"x16"	36"x16"	25	-	WHITE	-

DUST COLLECTOR SCHEDULE											
EQUIPMENT TAG	MANUFACTURER	MODEL	SERVICE	FAN C.F.M.	R.P.M.	EXTERNAL STATIC PRESSURE INCH H ₂ O	MOTOR				REMARKS
							POWER	VOLT.	PHASE	HZ.	
DC-1	STERNVENT	VIBRALEAN DKPD 36007	WOODSHOP DUST COLLECTION	3,500	3,450	7.8	7-1/2 HP	208	3	60	W/ FACTORY WIRED NEMA 4 CONTROLLER W/ MAGNETIC STARTERS FOR BLOWER & SHAKER; W/ (2) 55 GALLON DRUMS; W/ 1/3 HP SHAKER MOTOR



1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
2. ALL STANDARD RADIUS ELBOWS CAN BE SUBSTITUTED WITH SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

TYPICAL DUCTWORK TRANSITION WITH
EQUIPMENT MOUNTED IN DUCT
PLAN OR SIDE VIEW

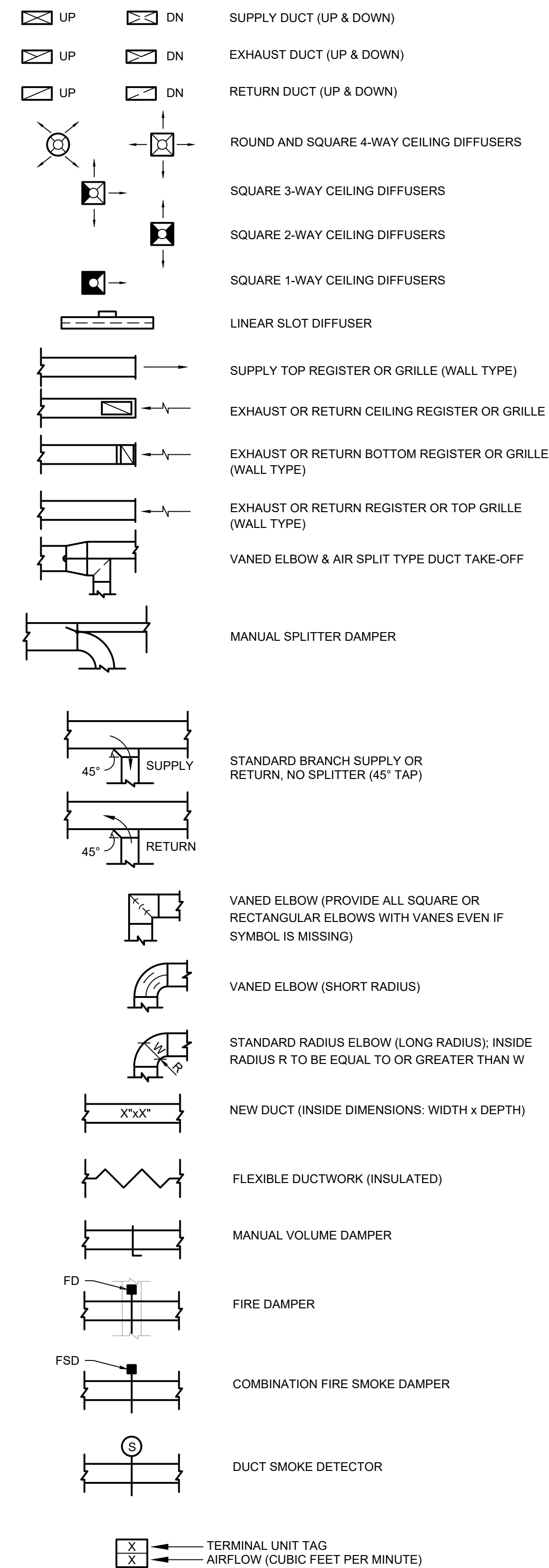
NOTE:
UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.

TYPICAL DUCTWORK TRANSITION WITH EQUIPMENT MOUNTED IN DUCT TYPICAL DUCTWORK TRANSITION PLAN OR SIDE VIEW

2 Ductwork Transition Detail

1 Ductwork Radius Elbow Detail


Mechanical Legend :



Mechanical Notes:

1. ALL MATERIALS AND EQUIPMENT ARE TO BE NEW, UNUSED, AND FREE FROM DEFECTS OF ANY KIND. THE BASIS OF QUALITY SHALL BE THE LATEST REVISION OF ASTM, ANSI, OR OTHER ACCEPTABLE STANDARDS.
2. THESE DRAWINGS ARE DIAGRAMMATIC, AND INDICATE GENERAL ARRANGEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE REVIEWED THE SITE FOR HIS WORK PRIOR TO HAVING SUBMITTED HIS PROPOSAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CONDITIONS FOUND DURING THE COURSE OF THE CONTRACT.
3. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.
4. ALL WORK INCLUDING LABOR AND MATERIALS SHALL BE FULLY GUARANTEED FOR ONE (1) YEAR FROM THE DATE OF PAYMENT AND FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
5. ALL CUTTING, PATCHING, FIRE-STOPPING, AND SURFACE RESTORATION IN CONNECTION WITH THIS TRADE SHALL BE COMPLETED BY THIS CONTRACTOR.
6. A MINIMUM OF FOUR (4) COPIES OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING AND INSTALLATION OF THE EQUIPMENT AND SUPPLEMENTED BY A DETAILED AND ACCURATE DRAWING. THE CONTRACTOR REPRESENTS THAT ACTUAL FIELD CONDITIONS ARE VERIFIED BY HIM AND ARE REFLECTED ON HIS SUBMITTALS.
7. THIS CONTRACTOR SHALL PAY ALL FEES, GIVE ALL NOTICES, FILE ALL NECESSARY DRAWINGS, AND OBTAIN ALL PERMITS, INSPECTIONS AND CERTIFICATES OF APPROVAL, REQUIRED IN CONNECTION WITH WORK UNDER THIS CONTRACT.
8. ALL WORK IN ASSOCIATION WITH THIS CONTRACT SHALL BE COMPLETED IN STRICT COMPLIANCE WITH THE 2020 BUILDING CODE OF NEW YORK STATE, 2020 MECHANICAL CODE OF NEW YORK STATE AND 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.
9. ALL HYDRO-PNE HOT WATER PIPING AND FITTINGS ARE TO BE INSULATED WITH A MINIMUM OF R-3 INSULATION. ALL JOINTS ARE TO BE COMPLETELY SEALED A MINIMUM OF 6" BEYOND JOINT ENDS.
10. ALL PIPING SHALL BE PROPERLY SUPPORTED AND ROUTED PARALLEL OR PERPENDICULAR TO BUILDING WALLS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORTS, HANGERS AND MISCELLANEOUS METALS REQUIRED FOR PROPER INSTALLATION OF WORK.
11. ALL PIPING SHALL BE PITCHED SUCH THAT AIR IN THE SYSTEM CAN BE VENTED THROUGH MANUAL AIR VENTS.
12. TEST PIPING AND PROVE TIGHT FOR AT LEAST TWO HOURS TO TWICE THE SYSTEM WORKING PRESSURE. TEST SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER AND LOCAL INSPECTOR. TEST SHALL BE REPEATED IF NECESSARY UNTIL FINAL APPROVAL OF THE SYSTEM IS OBTAINED.
13. SUPPORT HORIZONTAL PIPING UTILIZING A SPACING PER PIPING MANUFACTURER'S REQUIREMENTS.
14. INSTALL VALVES ON THE ENTIRE DISTRIBUTION SYSTEM, SO LOCATED AS TO GIVE COMPLETE CONTROL TO ALL FIXTURES AND EQUIPMENT.
15. INSTALL DRAIN VALVES AT BASE OF ALL RISERS AND AT LOW POINTS OF PIPING SYSTEM. INSTALL MANUAL AIR VENT VALVE FACILITIES AT THE TOP OF ALL RISERS AND AT HIGH POINTS OF THE PIPING SYSTEM.
16. INSTALL ALL HYDRO-PNE PIPING AS HIGH AS POSSIBLE PROVIDING RISERS, DROPS AND OFFSETS TO CLEAR STRUCTURAL MEMBERS, LIGHT FIXTURES, OTHER PIPING, AND OTHER OBSTRUCTIONS. WHERE CONFLICTS ARISE, IT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO PROCEEDING.
17. THE ENTIRE HYDRO-PNE SYSTEM IS TO BE BALANCED TO WITHIN 10% OF THE SPECIFIED WATER FLOWRATE REQUIREMENTS. A CERTIFIED BALANCING REPORT AND VERIFICATION IS TO BE SUBMITTED TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE.
18. ALL DUCTWORK IS TO BE CONSTRUCTED OF GALVANIZED SHEET STEEL (EXCEPT WHERE SHOWN OTHERWISE) WITH A MINIMUM OF 16 GA. THICKNESS. ALL WORK IS TO BE IN ACCORDANCE WITH THE LATEST SMACNA DUCT MANUAL STANDARDS AND ALL OTHER AUTHORITIES HAVING JURISDICTION.
19. PROVIDE MANUAL DAMPERS AT EACH SPLIT OR TAP CONNECTION TO TRUNK DUCTS FOR BALANCING PURPOSES WHETHER OR NOT SPECIFICALLY SHOWN ON DRAWINGS. EACH DAMPER SHALL BE OF THE OPPOSED BLADE DAMPER TYPE INSTALLED WITH AN OPERATING AND LOCKING DEVICE. ALL DAMPERS LOCATED ABOVE HARD OR INACCESSIBLE CEILINGS SHALL BE INSTALLED WITH REMOTE GATE OPERATORS.
20. FURNISH & INSTALL FUSIBLE LINK FIRE DAMPERS AT ALL LOCATIONS WHERE DUCT PENETRATES FIRE-RATED FLOOR OR CEILING ASSEMBLY WHETHER OR NOT SPECIFICALLY SHOWN. INSTALL DUCTWORK CASING ACCESS DOORS AND FRAMES WITH VENTING FOR EACH FIRE DAMPER TO MAINTAIN AND MAINTENANCE. DOORS SHALL BE A MINIMUM OF 20 GA. DOUBLE PANNEL INSULATED TYPE.
21. INSTALL TURNING VANES ON ALL RECTANGULAR TURNS. TURNING VANES SHALL BE DOUBLE THICKNESS TYPE CONSTRUCTED IN ACCORDANCE WITH SMACNA MANUAL.
22. ROUND SHEET STEEL ELBOWS ARE TO BE INSTALLED AT THE DUCT CONNECTION TO ALL SUPPLY AIR DIFFUSERS. SHEET STEEL PLENUM BOXES ARE TO BE INSTALLED AT THE DUCT CONNECTION TO ALL RETURN AND EXHAUST AIR GRILLES. THE CONTRACTOR IS TO PAINT THE INSIDE OF THE SHEET STEEL PLENUM BOXES FLAT BLACK.
23. ALL SUPPLY AND RETURN DUCTWORK LOCATED IN UNCONDITIONED SPACES OR UNOCCUPIED AREAS AT OR BELOW GRADE SHALL BE REQUIRED TO BE R-5 INSULATION. DUCTWORK LOCATED OUTSIDE THE BUILDING ENVELOPE SHALL BE INSULATED WITH A MINIMUM OF R-8 INSULATION. INSULATION SHALL BE FIBERGLASS CLUT WRAP WITH VENTING AND SECURED TO THE DUCTWORK. IF DUCT UNDOING IS TO BE USED, ALL DUCT SIZES SHOWN SHALL BE CONSIDERED TO BE INSIDE CLEAR DIMENSIONS.
24. INSTALL ALL DUCTWORK AS HIGH AS POSSIBLE PROVIDING RISERS, DROPS AND OFFSETS TO CLEAR STRUCTURAL MEMBERS, LIGHT FIXTURES, OTHER PIPING, AND OTHER OBSTRUCTIONS. WHERE CONFLICTS ARISE, IT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO PROCEEDING.
25. THE ENTIRE AIR DISTRIBUTION SYSTEM IS TO BE BALANCED TO WITHIN 10% OF THE SPECIFIED AIRFLOW REQUIREMENTS.
26. THE CONTRACTOR IS RESPONSIBLE TO TEST ALL EQUIPMENT, PIPING, FIXTURES, AND SYSTEMS INSTALLED UNDER THIS CONTRACT TO ENSURE PROPER OPERATION PRIOR TO FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
27. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE WHETHER SPECIAL LICENSING IS REQUIRED FOR THE PROJECT. IF THE PROJECT IS A SUBMITTAL IN THE MUNICIPALITY WHERE THE PROJECT IS LOCATED. IF THE CONTRACTOR CANNOT OBTAIN THE REQUIRED LICENSING TO COMPLETE THE WORK WITHIN THE PROJECT SCHEDULE, THEN THE CONTRACTOR SHALL NOT BE PERMITTED TO BID ON THIS PROJECT.
28. CONTRACTOR IS RESPONSIBLE TO CREATE AND SUBMIT RED-LINE "AS-BUILT" PLANS TO THE ENGINEER. THE ENGINEER WILL REVIEW THE PROJECT "AS-BUILT" PLANS SHALL ACCURATELY REPRESENT THE SYSTEMS AS THEY WERE INSTALLED.



	DATE	DESCRIPTION

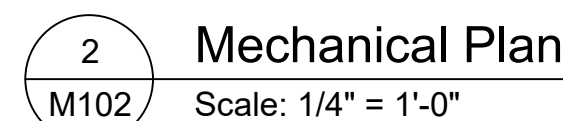
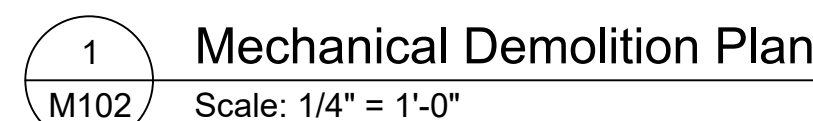
Drawn By:	BJK
Checked By:	BJK
Proj. #:	44-13-01-06-0-015-031
CSArch Proj. #:	187-2103
Issue Date:	10/31/2023

Sheet Title

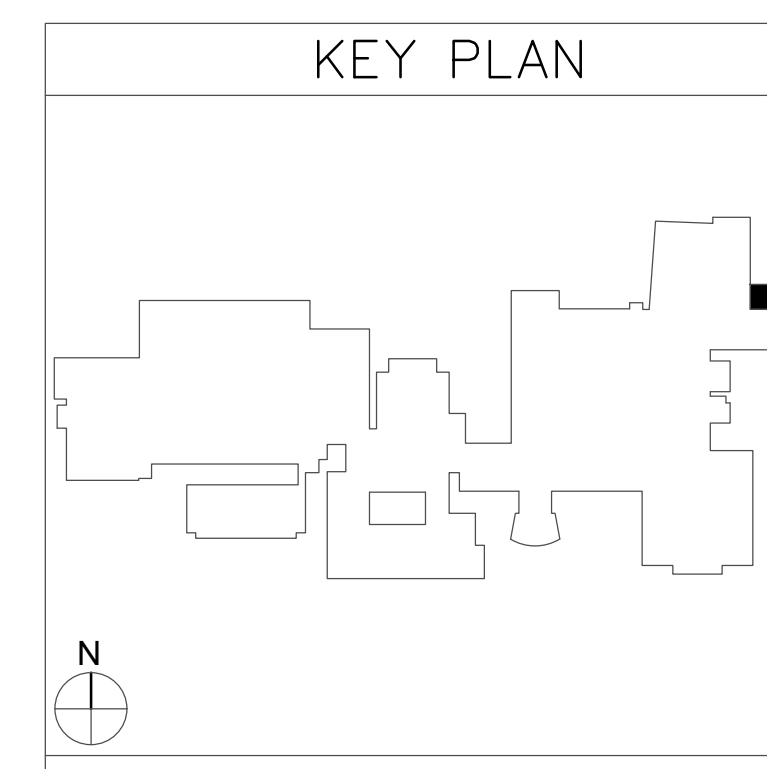
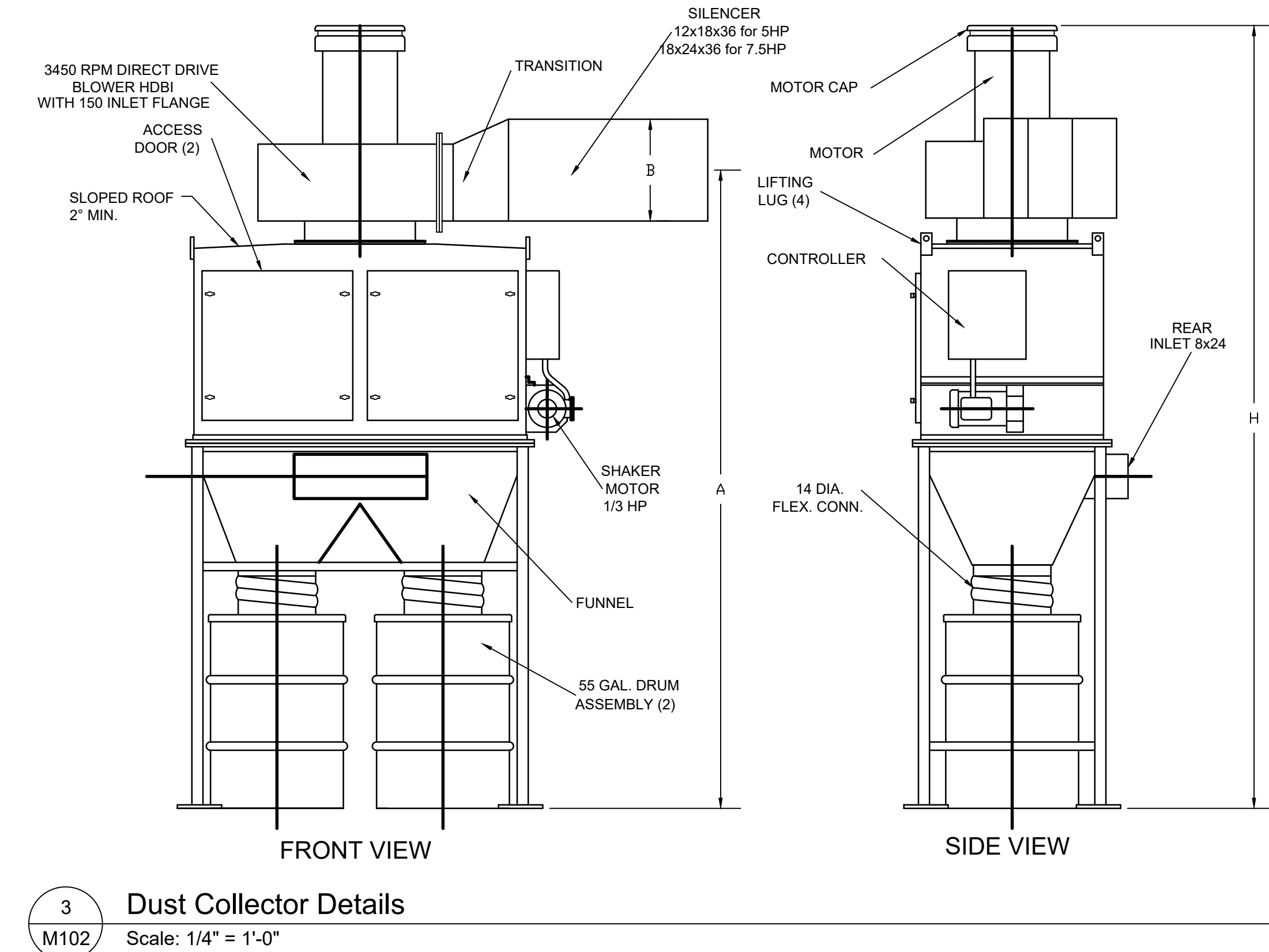
MECHANICAL
NOTES, LEGEND,
SCHEDULE &
DETAILS

Sheet No. VCHS
MG001

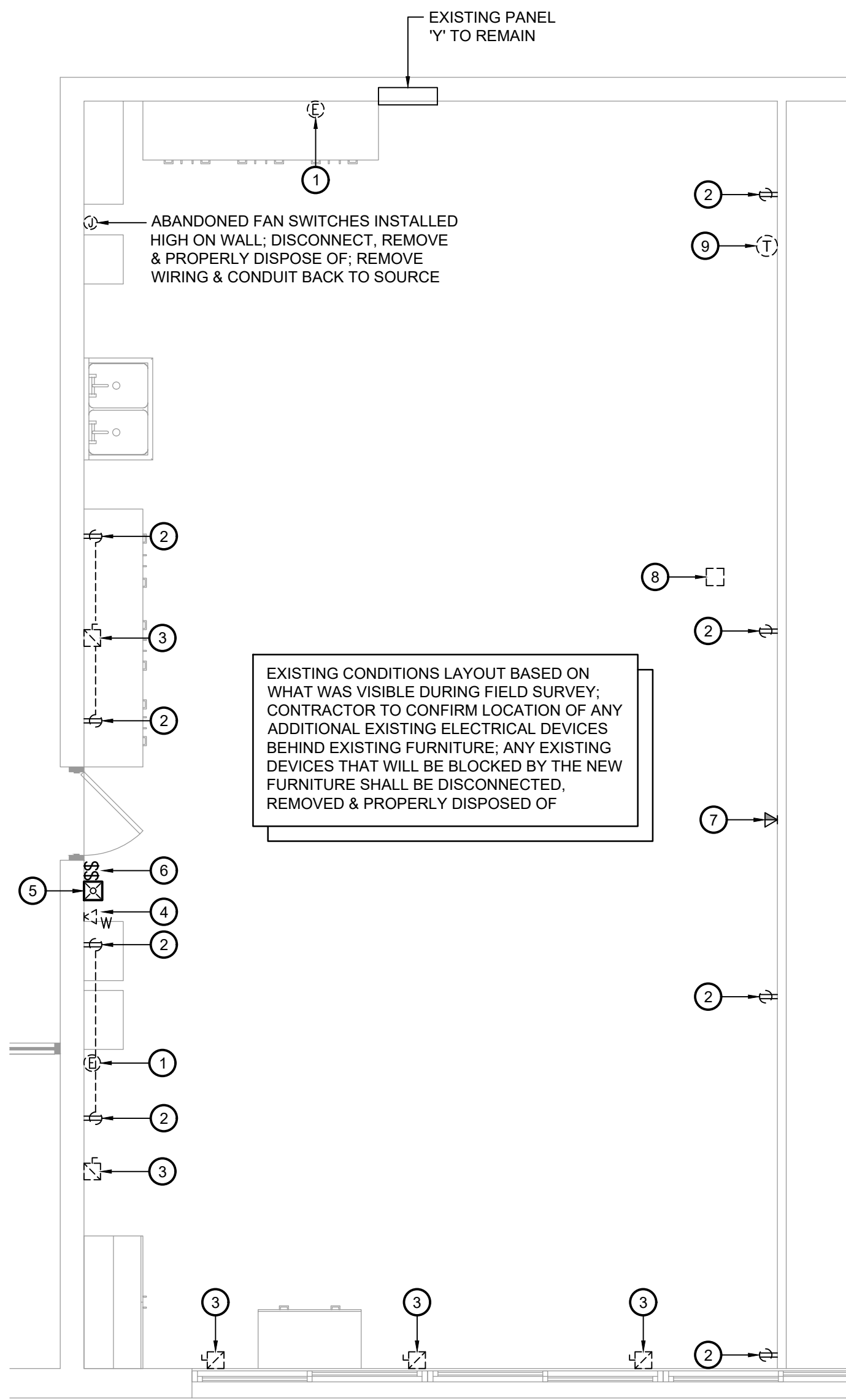
CONSTRUCTION DOCUMENTS



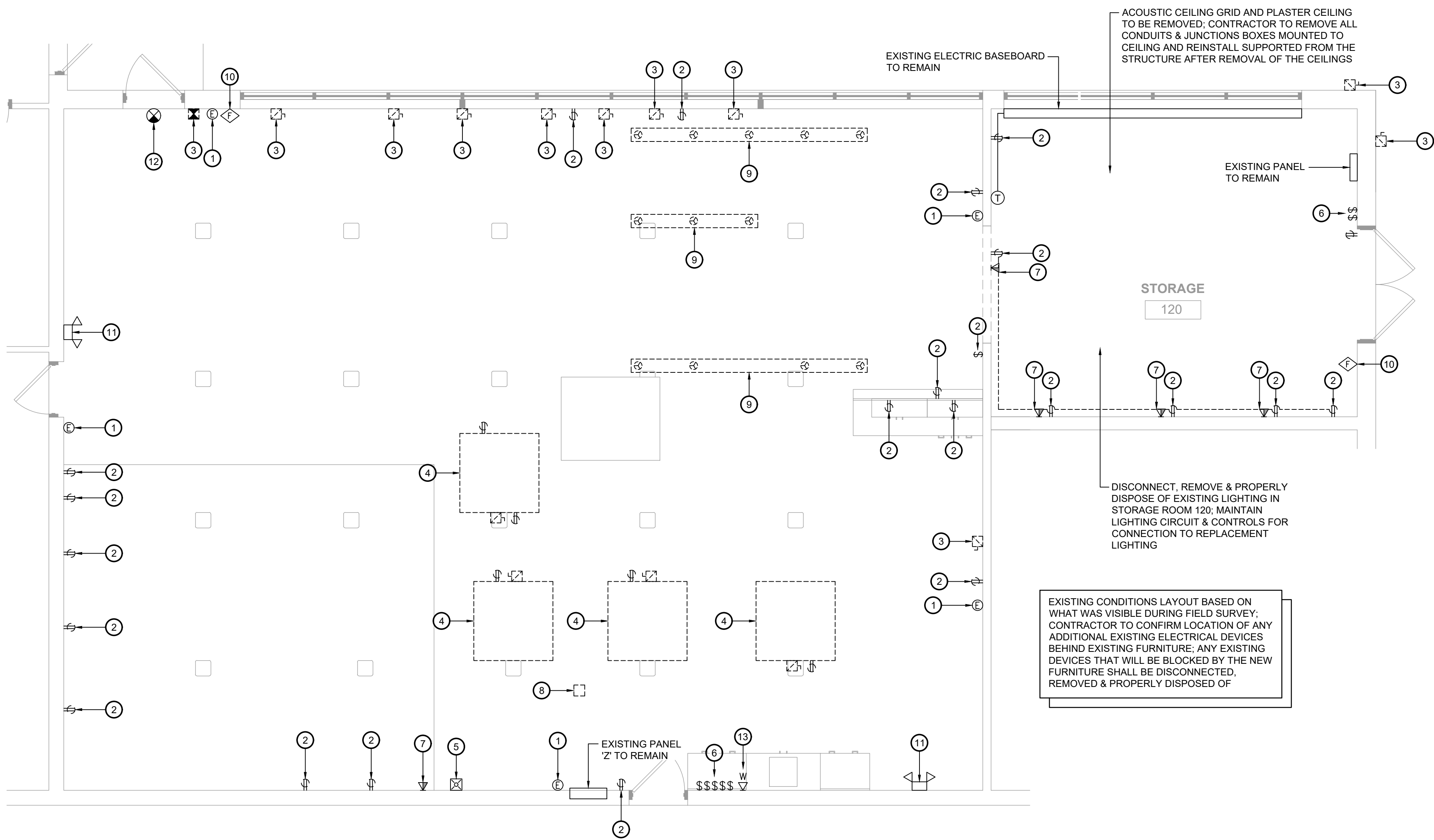
-
- Technical drawing of the DBH130/150 blower unit. The main drawing shows the front view with dimensions L (length) and M (height). It includes a front access door location and a base pad with a blower detail. A callout points to the base pad, which is 8x8x3/8 (4) inches with a 1" diameter hole. To the right, a table lists specifications for different models and sizes. Below the table, a note states 'H - VARIES WITH MOTOR MANUFACTURER'. Above the table, a diagram shows four orientation options (Orient. 1, 3, 9, and 3 (STD)) with air outlet locations marked.
- MARK REQUIRED ORIENTATION (45° ORIENTATIONS AVAILABLE)
- | HP | BLOWER SIZE | H* | A | B | L | M |
|-----|-----------------|---------|---------|----|--------|-------|
| 5.0 | DBH1-130 (100%) | 132-1/2 | 112-3/4 | 12 | 54 | 6-3/4 |
| 7.5 | DBH1-150 (90%) | 135 | 115-3/4 | 18 | 62-1/4 | 7-1/2 |
- *H - VARIES WITH MOTOR MANUFACTURER



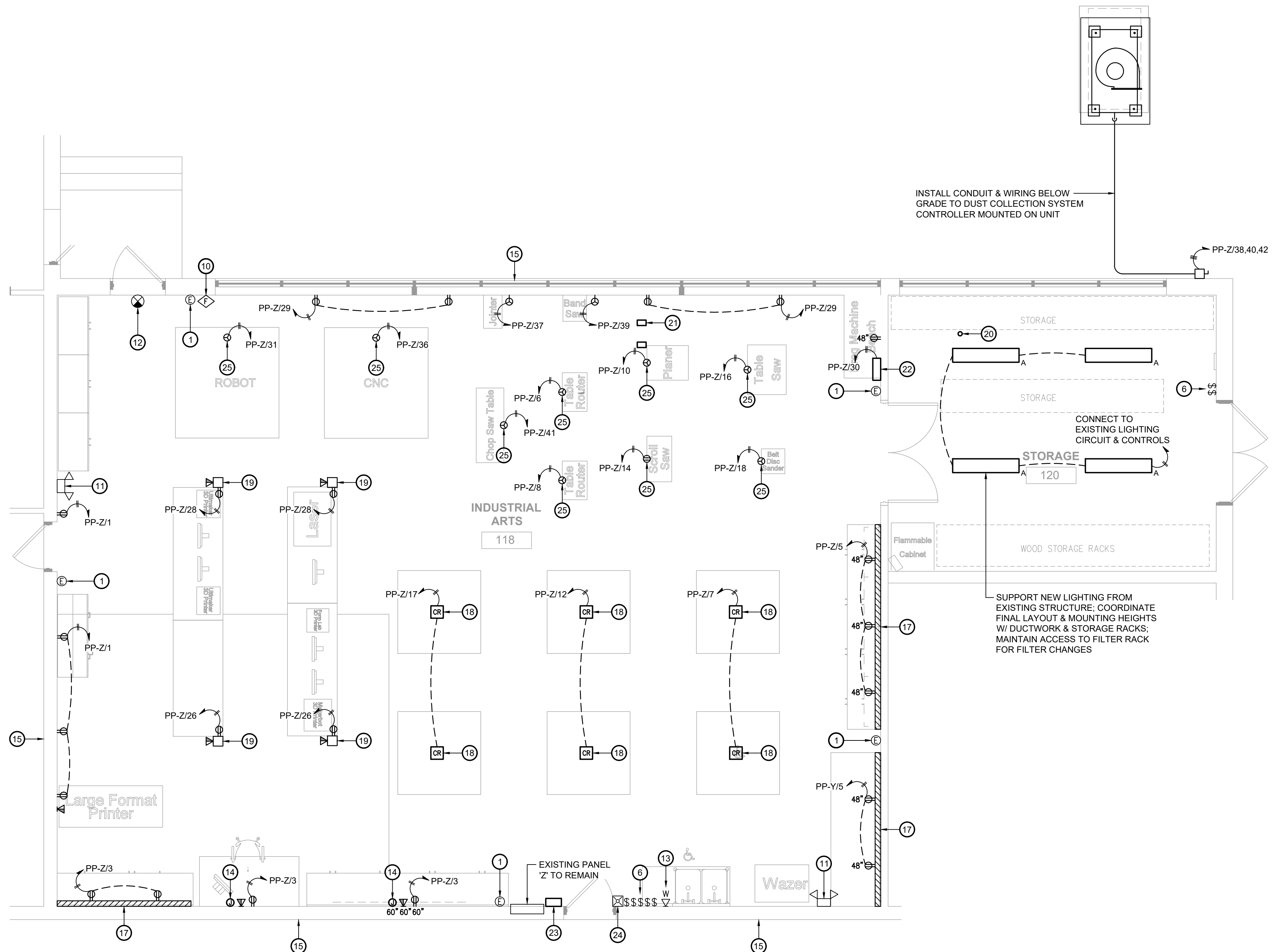
C:\Users\public\Documents\174-2101 CAMPUS WIDE WINDOW SILL REPLACEMENT_174win239CB.rvt



C:\Users\public\Documents\174-2101 CAMPUS WIDE WINDOW SILL REPLACEMENT_174win2130CB.rvt



1 Electrical Demolition Plan
Scale: 1/4" = 1'-0"

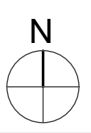
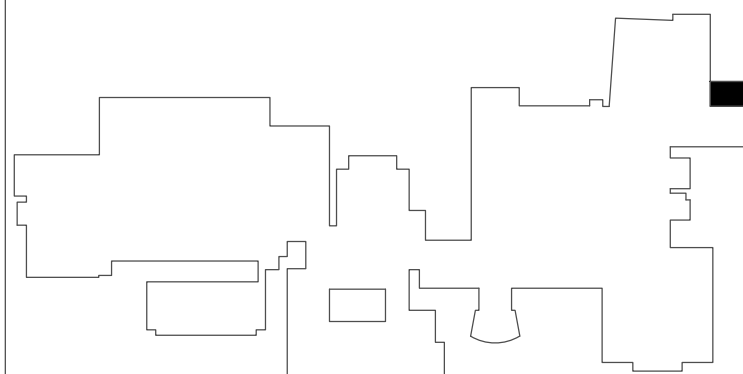


2 Electrical Plan
Scale: 1/4" = 1'-0"

Key Notes:

- EXISTING EPO SWITCH TO REMAIN
- RECEPTACLE OR SWITCH TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING DEVICE BOX, REMOVE ALL EXISTING WIRING & CONDUIT BACK TO SOURCE
- DISCONNECT SWITCH TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF, REMOVE ALL EXISTING WIRING & CONDUIT BACK TO SOURCE
- EXISTING TABLE TO BE REMOVED, DISCONNECT, REMOVE & PROPERLY DISPOSE OF RECEPTACLES & DISCONNECT SWITCHES, REMOVE ALL EXISTING WIRING & CONDUIT BACK TO SOURCE
- EXISTING WALL MOUNTED FIRE ALARM STROBE TO BE RELOCATED
- EXISTING LIGHT SWITCHES TO REMAIN
- EXISTING WALL MOUNTED DATA RECEPTACLE TO BE DISCONNECTED & REMOVED, MAINTAIN CABLING FOR RECONNECTION
- EXISTING DUAL CHANNEL POWER POLE TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF, REMOVE ELECTRICAL WIRING & CONDUIT BACK TO SOURCE, MAINTAIN EXISTING DATA CABLING FOR RECONNECTION
- EXISTING TWIST LOCK RECEPTACLES (CEILING MOUNTED ON UNISTRUT) TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF, REMOVE ALL EXISTING WIRING & CONDUIT BACK TO SOURCE
- EXISTING FIRE ALARM PULL STATION TO REMAIN
- EXISTING EMERGENCY LIGHT TO REMAIN
- EXISTING EXIT SIGN TO REMAIN
- EXISTING WALL MOUNTED PHONE TO REMAIN
- PROVIDE JUNCTION BOX IN WALL W/ 1-1/4" CONDUITS W/ PULL CORDS STUBBED TO ABOVE CEILING, TO BE USED FOR CABLING TO BE PULLED BETWEEN JUNCTION BOX AND POWER POLE AT TEACHER'S DESK FOR PROMETHEAN BOARD COMMUNICATIONS (HDMI, USB, ETC.)
- EXISTING MASONRY WALL; ALL RACEWAYS AND DEVICE BOXES SHALL BE SURFACE MOUNTED;
- EXISTING FRAMED WALL; ALL RACEWAYS AND DEVICE BOXES SHALL BE RECESS MOUNTED AND CONCEALED WITHIN THE WALL
- PROVIDE SINGLE CHANNEL SURFACE MOUNTED STEEL RACEWAY TYPICAL OF LEGRAND WIREMOLD 4000 SERIES, PROVIDE WITH ALL REQUIRED FITTINGS AND ACCESSORIES FOR A COMPLETE INSTALLATION, ALL CORNERS AND TRANSITIONS SHALL INCLUDE RADIUS/SWEEP FITTINGS. RUN RACEWAY UP WALL TO ABOVE CEILING PRIOR TO TRANSITIONING TO CONDUIT.
- PROVIDE CORD REEL TYPICAL OF HUBBELL INREACH WHITE INDUSTRIAL REEL, 25 FT CORD LENGTH W/ 15A PLUG, PROVIDE W/ MOUNTING BRACKET AND PIVOT BASE, PROVIDE CEILING RECEPTACLE FOR CORD REEL POWER.
- PROVIDE DUAL CHANNEL POWER POLE TYPICAL OF LEGRAND WIREMOLD 30TC AND DUAL CHANNEL SURFACE MOUNTED STEEL RACEWAY TYPICAL OF LEGRAND WIREMOLD 4000 SERIES, COORDINATE EXACT LAYOUT AND MOUNTING REQUIREMENTS WITH OWNER BASED ON FURNITURE SELECTION, PROVIDE WITH ALL REQUIRED FITTINGS AND ACCESSORIES FOR A COMPLETE INSTALLATION, ALL CORNERS AND TRANSITIONS SHALL INCLUDE RADIUS/SWEEP FITTINGS, PROVIDE ALL COVER PLATES, JACKS AND CABLING FOR DATA OUTLETS.
- SPRAY ASSEMBLY FURNISHED BY MECHANICAL CONTRACTOR; PROVIDE 24 VOLT WIRING (14 AWG) IN 3/4" CONDUIT FROM CONTROL PANEL TO SOLENOID VALVE
- SPARK DETECTORS FURNISHED BY MECHANICAL CONTRACTOR; PROVIDE 24 VOLT WIRING (18 AWG) IN 3/4" CONDUIT FROM CONTROL PANEL TO SPARK DETECTORS
- SPARK DETECTION SYSTEM FURNISHED BY MECHANICAL CONTRACTOR; ELECTRICAL CONTRACTOR TO MOUNT CONTROL PANEL AND PROVIDE DEDICATED 120V CIRCUIT TO PANEL
- DUST COLLECTOR INTERLOCK SYSTEM FURNISHED BY MECHANICAL CONTRACTOR; TYPICAL OF STERNVENT DUST SWITCH OR EQUAL, ELECTRICAL CONTRACTOR TO MOUNT CONTROL PANEL AND PROVIDE ALL WIRING AND CONDUIT; INSTALL PER MANUFACTURER REQUIREMENTS
- RELOCATED FIRE ALARM HORN STROBE
- PROVIDE TWIST LOCK PLUG HUNG FROM STRUCTURE AT 7'-0" AFF, PLUG MOUNTED ON CORD W/ STRAIN RELIEF SUPPORTED FROM JUNCTION BOX MOUNTED TO STRUCTURE, TYPICAL AT EACH PIECE OF EQUIPMENT; FIELD VERIFY EXACT PLUG TYPE AND FINAL LOCATION OF PLUG

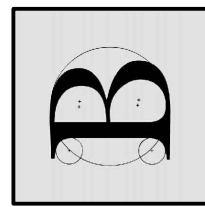
KEY PLAN



COPYRIGHT. © ALL RIGHTS RESERVED.

19 Front St., Newburgh, New York 12550-7601
845-563-3379 www.csarch.com

Consultant



BLAKE ENGINEERING PLLC
100 WEST MAIN STREET, SUITE 200
NEWBURGH, NY 12550-7601

VALLEY CENTRAL SCHOOL DISTRICT VALLEY CENTRAL HIGH SCHOOL ART AND WOODSHOP ALTERATIONS

Project Title



Drawn By:	B/K
Checked By:	B/K
Proj. #:	44-13-01-06-0-015-031
CSArch Proj. #:	187-2103
Issue Date:	10/31/2023

Sheet Title

INDUSTRIAL
ARTS
ELECTRICAL
PLANS

Sheet No.

VCHS
E102

CONSTRUCTION DOCUMENTS