# SAN JUAN ISLAND SCHOOL DISTRICT FHHS STEM BUILDING ART CLASSROOM T.I.

# 555 GUARD STREET FRIDAY HARBOR, WA 98250

# **PROJECT NO. 679**





## **ABBREVIATIONS** (ABBREVIATIONS RELATE WITH OR WITHOUT PERIODS)

ACR	ACCESS CARD READER	F.O.S.	FACE OF STUD
A.C.T.	ACOUSTICAL CEILING TILE	FPA	FALL PROTECTION ANCHOR
AD	AREA DRAIN	FIN.	FINISH
ADA	AMERICAN DISABILITIES ACT	F.V.	FIELD VERIFY
ADDN.	ADDITION	FP	FILLER PIECE
ADJ.	ADJUSTABLE	FA	FIRE ALARM
ALT.	ALTERNATE	FB	FIRE BLANKET
ALUM.	ALUMINUM	FE	FIRE EXTINGUISHER
APB	ADA PUSH BUTTON	FHS	FIRE HOSE STROBE
2	ANGLE	F. PULL	FIRE PULL
ASSM	ASSEMBLY (CONSTRUCTION)	F. STROBE	FIRE STROBE
AWRB	AIR AND WEATHER RESISTIVE BARRIER	FS	FLOOR SLEEVE
BB	BULLETIN BOARD	FT.	FOOT
BM	BEAM	FTG.	FOOTING
BLK.	BLOCKING	FRMG.	FRAMING
BD.	BOARD	F.O.I.C.	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
B.O.C.	BOTTOM OF CONCRETE	F.O.I.O.	FURNISHED BY OWNER, INSTALLED BY OWNER
B.O.S.	BOTTOM OF STEEL	GA.	GALVANIZED
B.O.T.	BOTTOM OF TRUSS	G.A.	GYPSUM ASSOCIATION
BS	BACKSPLASH	GL. B.	GLASS BOARD
B.U. COL.	BUILT-UP COLUMN	GL	GLAZING
B.U.R.	BUILT-UP ROOFING	GB	GRAB BAR
C.B.	CATCH BASIN	GYP.	GYPSUM
CPT.	CARPET	GWB	GYPSUM WALL BOARD
CLG.	CEILING	H.C.	HANDICAPPED
CBB	CEMENTITIOUS BACKER BOARD	HDW.	HARDWARE
C.J.	CONTROL JOINT	HDWD	HARDWOOD
CLO.	CLOSET	HT.	HEIGHT
C.O.	CLEAN OUT	HB	HOSE BIB
CTR.	CENTER	HM	HOLLOW METAL
CL.	CENTER LINE	INS.	INSULATION
C.T.	CERAMIC TILE	I.D.	INSIDE DIAMETER
COL.	COLUMN	IBC	INTERNATIONAL BUILDING CODE
CONC.	CONCRETE	JT.	JOINT
CONST.	CONSTRUCTION	LAV.	LAVATORY
C.M.U.	CONCRETE MASONRY UNITS	LF	LIGHT FIXTURE
CONT.	CONTINUOUS	MFD.	MANUFACTURED
COORD.	COORDINATE	MAS.	MASONRY
CG	CORNER GUARD	M.H.	MAN HOLE
DIA.	DIAMETER	M.H.O.	MAGNETIC HOLD OPEN
DIM.	DIMENSION	M.O.	MASONRY OPENING
DN	DOWN	M.S.	MACHINE SCREW
DS	DOWNSPOUT	MANUF.	MANUFACTURED
DF	DRINKING FOUNTAIN	MATL.	MATERIAL
DR.	DOOR	MAX.	MAXIMUM
DWG.	DRAWING	MECH.	MECHANICAL
E.	EAST	MDO	MEDIUM DENSITY OVERLAY
ELEC.	ELECTRICAL	MEMB.	MEMBRANE
EL.	ELEVATION	ML	MARRIAGE LINE
EM. LIGHT	EMERGENCY LIGHT	MTL	METAL
EP	ELECTRIC PANEL	MIN.	MINIMUM
EQ.	EQUAL	MR	MOISTURE RESISTANT
EW	EMERGENCY EYEWASH	MULL.	MULLION
EWS	EMERGENCY EYEWASH/SHOWER	NOM.	NOMINAL
EX./EXST	EXISTING	N.	NORTH
E.J.	EXPANSION JOINT	N.I.C.	NOT IN CONTRACT
FD	FLOOR DRAIN	N.P.W.	
F.A.A.	FIRE ANNUNCIATION ALARM	N.T.S.	NOT TO SCALE
F.A.P.	FIRE ALARM PANEL	O.C.	ON CENTER
FH	FIRE HYDRANT	OPG.	OPENING
F.O.B.	FACE OF BRICK OR BLOCK	OPP.	OPPOSITE
F.O.C.	FACE OF CONCRETE	O.D.	
		O.W.S.J.	OPEN WEB STEEL JOIST

# **GRAPHIC SYMBOLS**

SECTION MARK	CEILING TAG - REFLECTED CEILING PLAN	SIGNAGE TAG
1 A101 SIM A101 SHEET "A101"	ROOM NAME CONFERENCE 128 9'-0" 1 WALL FINISH TYPE FLOOR FINISH TYPE	T100 SIGN NU (SEE SC
DETAIL TAG	DOOR TAG	ELEVATION TARGET
DETAIL IS NOTED AS DRAWING "1" ON SHEET "A101"	213 DOOR IS NUMBER 213 (SEE SCHEDULE) NON-RATED DOOR IS NUMBER 213 (SEE SCHEDULE) WITH A RATING OF 20/45/90 MINUTES	<b>14'-0</b> "
ELEVATION TAG	WINDOW TAG	FLOOR MATERIAL CHANGE SYME
THIS ELEVATION IS NOTED AS DRAWING "1" ON SHEET "A101"	WINDOW NUMBER (SEE SCHEDULE)	MATERIAL 1
WALL TYPE SYMBOL - INTERIOR	SKYLIGHT TAG	SLOPE INDICATOR
ATYPICAL STUD CAVITY WIDTH 6" 11 TYPICAL OR SIMILAR WALL TYPE	SKI SKYLIGHT NUMBER (SEE SCHEDULE)	
WALL TYPE SYMBOL - EXTERIOR	RELITE TAG	PROJECTION SCREEN
6" A TYPICAL STUD CAVITY WIDTH 6" A TYP TYPICAL OR SIMILAR WALL TYPE	R1, RELITE NUMBER (SEE SCHEDULE)	PS
ROOM TAG - FLOOR PLAN	LOUVER TAG	WHITE BOARD
ROOM NAME CONFERENCE 128 A 3 WALL FINISH TYPE FLOOR FINISH TYPE	LOUVER NUMBER (SEE SCHEDULE)	WB

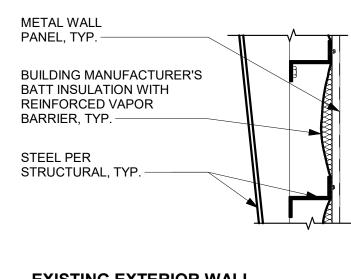
# MATERIAL LEGEND

# PROJECT TEAM

$\overline{}$	WOOD, ROUGH	<u>OWNER</u>
		SAN JUAN SCHOOL DISTRICT #149 555 GUARD STREET FRIDAY HARBOR, WA 98250
	WOOD, FINISH	
	PLYWOOD	OWNER CONTACT BROCK HAUCK FACILITIES DIRECTOR PH: (360) 370-7115
	GWB	EMAIL: brockhauck@sjisd.org
	CONORETE	ARCHITECT
	CONCRETE	HKP ARCHITECTS 204 WEST MONTGOMERY STREET
	EARTH FILL	MOUNT VERNON, WA 98273 PH: (360) 336-2155 BRIAN POPPE, PARTNER-IN-CHARGE
	GRAVEL	EMAIL: bpoppe@hkpa.com KELLY VALENTIN, PROJECT MANAGEF EMAIL: kvalentin@hkpa.com
	STEEL	STRUCTURAL ENGINEER
	MASONRY	DCG 2110 RIVERSIDE DRIVE, SUITE 110 MOUNT VERNON, WA 98273 PH: (360) 899-1110
	INSULATION, BATT OR LOOSE FILL	CONTACT: JORDAN JANICKI EMAIL: jordan@dcgengr.com
	INSULATION, RIGID	MECHANICAL ENGINEER
	INSULATION, FOAM	HARRIS GROUP, INC. 20201 CEDAR VALLEY ROAD, SUITE 12 LYNNWOOD, WA 98036 PH: (425) 774-3829
	INSULATION, FOAM	CONTACT: ANDY LONGINO EMAIL: andy.longino@harrisgroup.com
	CERAMIC/QUARRY TILE	ELECTRICAL ENGINEER
		K ENGINEERS, INC. 208 3RD STREET LYNDEN, WA 98264 PH: (360) 354-4757, EXT. 201 CONTACT: STEVE TeVELDE EMAIL: stevetevelde@k-engineers.com

# **EXTERIOR WALL ASSEMBLIES**

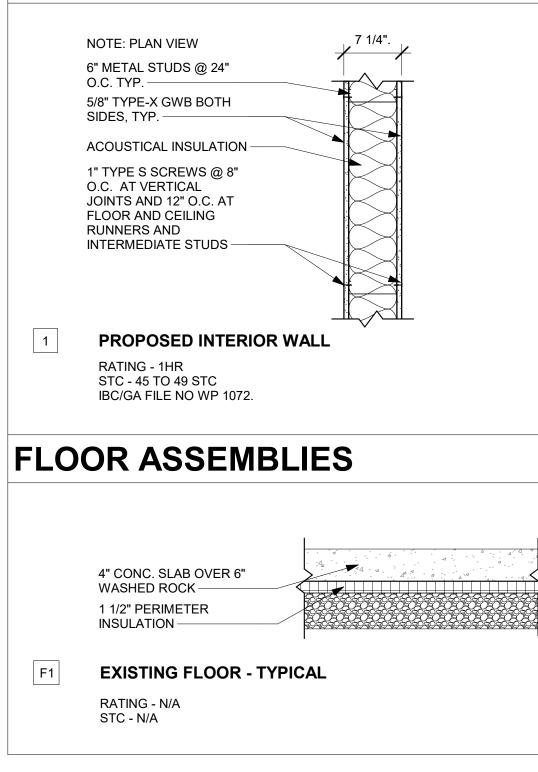
NOTE: SECTION VIEW



**EXISTING EXTERIOR WALL** RATING - N/A STC - N/A

A

# **INTERIOR WALL ASSEMBLIES**



P/D	POWER/DATA PORTS
	PAINT/PAINTED
	PLASTIC LAMINATE
PLYWD	PLYWOOD
PS	PROJECTION SCREEN
PTD	PAPER TOWEL DISPENSER
RCP	REFLECTED CEILING PLAN
REINF.	REINFORCING
REBAR	REINFORCING BAR
RELOC.	RELOCATE
RD	ROOF DRAIN
RM.	ROOM
R.O.	ROUGH OPENING
	RUBBER
	RUBBER BASE
RV	ROOF VENT
	ROOFING RELIEF VENT
	RAIN WATER LEADER
S.	SOUTH
SB	SPLASH BLOCK
SD	SOAP DISPENSER
	SQUARE FOOT (FEET)
	SHEET METAL BACKER
SH.BR.	SHELF BRACKET
SIM.	SIMILAR
	SLAB ON GRADE
	SANITARY NAPKIN RECEPTACLE
SPEC.	SPECIFICATIONS
SFEC. STN.	STAIN
STN. STD.	STAIN
STL.	STEEL
STOR.	STEEL
SUSP.	SUSPENDED
-	
TS	TACKABLE SURFACE
TD	
THSD	
TPD	TOILET PAPER DISPENSER
M.O.	TONGUE AND GROOVE
T.O.C.	TOP OF CONCRETE
T.O.S.	TOP OF STEEL
Т.О.Т.	TOP OF TRUSS
T.S.GL.	TEMPERED SHEET GLASS
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
VB	VAPOR BARRIER
VER.	VERIFY
V.I.F.	VERIFY IN FIELD
VCT	VINYL COMPOSITION TILE
VP	VENEER PLASTER
VTR	VENT THRU ROOF
W.H.	WATER HYDRANT
W.O.G.	WALK OFF GRATE
W.O.M.	WALK OFF MAT
WT.	WEIGHT
W.	WEST
WB	WHITE BOARD
W.CH.	WIRE CHASE
W/	WITH
W/O	WITHOUT
WD	WOOD
WRB	WEATHER RESISTIVE BARRIER
W.W.M.	WELDED WIRE MESH
YD.	YARD

	TACK BOARD / TACKABLE SURFACE
NUMBER SCHEDULE)	TS TB
	VISUAL DISPLAY LOCATION
	LCD
MBOL	SINKS (SIMILAR)
MATERIAL 2	
	FIRE EXTINGUISHER - WALL CABINET
→	
	DRINKING FOUNTAIN
=	DF
	EXIT SIGN

# DISTRICT #149 98250 sjisd.org

### MERY STREET A 98273 NER-IN-CHARGE

ROJECT MANAGER a.com

## NEER

### IEER

Y ROAD, SUITE 120 )36 NGINO harrisgroup.com

### EER

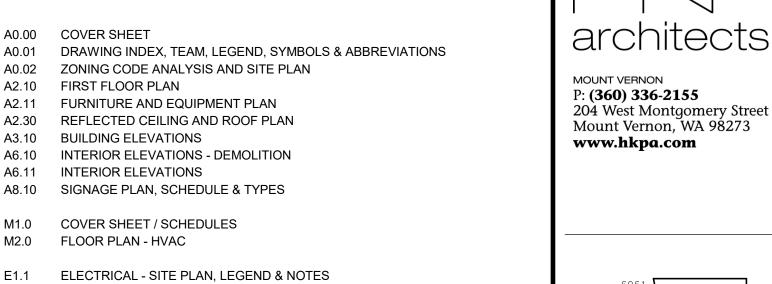
# **ACOUSTICAL NOTES**

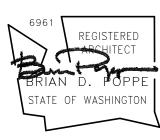
- PROVIDE ACOUSTICALLY TREATED (STC) WALL TERMINATION AT ROOF DECK. REFER TO SPECIFICATIONS FOR TREATMENT OF ACOUSTICALLY RATED (STC) WALLS. 3. REFERENCE STRUCTURAL FOR REQUIRED STUD SIZES UNLESS OTHERWISE NOTED. CONTRACTOR TO REVIEW AND NOTE ANY DISCREPANCIES IN STUD
- SIZING TO ARCHITECT. AT ACOUSTICAL WALLS, DO NOT LOCATE ELECTRICAL AND CABLE OUTLETS WITHIN 24 INCHES OF EACH OTHER BETWEEN UNITS AND SEAL WITH RESILIENT CAULK. ONLY WHERE NECESSARY BOXES THAT ARE FITTED CLOSER THAN 24 INCHES, THE BACKSIDE OF ELECTRICAL OUTLETS SHOULD BE FITTED WITH A
- CLAY-PACK. NOTE ANY DISCREPANCIES W/ ELECTRICAL LAYOUT TO ARCHITECT. PENETRATIONS OF ACOUSTICAL PARTITIONS WITH PIPING, CONDUIT OR DUCTING MUST BE COMPLETED TO PREVENT DIRECT CONTACT WITH THE ARTICLE AND SEALED WITH A RESILIENT, 20-YEAR NON-HARDENING CAULK, IF THE PENETRATION IS THROUGH A FIRE RATED WALL, ACOUSTICAL FIRE-RATED CAULK SHOULD BE USED.
- 6. PARTITIONS MUST BE SEALED WITH A RESILIENT 20-YEAR NON-HARDENEING CAULK IN ACCORDANCE WITH ASTM C919. PROVIDE AT BOTH FLOOR AND CEILING PLATES.
- IN AREAS WHERE PLUMBING PASSES THROUGH FRAMING ELEMENTS ADJACENT TO ACOUSTICALLY ISOLATED SPACES, PROVIDE VIBRATION ISOLATION. WHERE A DEMISING PARTITION ABUTS A CONTINUOUS PARTITION (I.E. A PARTYWALL ABUTTING A CORRIDOR WALL), THE GYPSUM BOARD SURFACE
- ALONG THE CONTINUOUS PARTITION MUST BE BROKEN AT THE JOINT OF THE INTERSECTION TO PREVENT FLEXURAL SOUND TRANSMISSION. AN EXPANSION JOINT IS SUFFICIENT FOR BREAK. 9. WHERE TWO OR MORE LAYERS OF GYPSUM BOARD ARE USED, JOINTS, BOTH
- HORIZONTALLY AND VERITCALLY, SHOULD BE STAGGERED. 10. SOUND INSULATION SHOULD BE UNFACED AND SECURED TO STRUCTURE TO PREVENT SAGGING.

# **GENERAL NOTES**

- AT FIRE RATED WALLS OR WHERE REQUIRED BY CODE, INSTALL PER IBC. PROVIDE FIRE-RATED PROTECTION OF ALL PENETRATIONS THROUGH FIRE RATED WALL ASSEMBLIES PER IBC.
- ALL WALLS ARE CONTINUOUS TO ROOF DECK UNLESS OTHERWISE NOTED. PROVIDE TIGHT SEAL AROUND FRAMING, PIPING, AND OTHER OBSTRUCTIONS TO PROVIDE CONTINUOUS SEAL.
- MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS ARE DESIGN-BUILD AND ARE NOT INCLUDED IN THIS DOCUMENT. CONTRACTOR IS RESPONSIBLE FOR DETAILING AND INSTALLING ALL SHEET
- METAL CLOSURES, FLASHING, DOWNSPOUNTS, GUTTERS, ETC., AS PER MANUFACTURER'S STANDARD DETAILS.

### A3.10 BUILDING ELEVATIONS A6.10 INTERIOR ELEVATIONS - DEMOLITION A6.11 INTERIOR ELEVATIONS A8.10 SIGNAGE PLAN, SCHEDULE & TYPES M1.0 COVER SHEET / SCHEDULES FLOOR PLAN - HVAC M2.0 E1.1 ELECTRICAL - SITE PLAN, LEGEND & NOTES E2.0 ELECTRICAL - DEMOLITION PLAN E2.1 ELECTRICAL - POWER PLAN E3.1 ELECTRICAL - LIGHTING PLAN ELECTRICAL - LIGHTING DETAILS & SCHEDULES E3.2 E4.1 ELECTRICAL - ANCILLARIES PLAN E5.1 ELECTRICAL - TELECOM PLAN E5.2 ELECTRICAL - TELECOM DETAILS E6.1 ELECTRICAL - RISER DIAGRAM & SCHEDULES





Owner:	SAN JUAN ISLAND SCHOOL	DISTRICT	PO BOX 458 FRIDAY HARBOR,	WA 98250
	CHOOL		HARBOR,	



Sheet Contents: DRAWING INDEX, TEAM, LEGEND, SYMBOLS & ABBREVIATIONS Revisions: Rev. Date

Drawn By: BP, KV Checked: BP 01/25/2023 Date: Job No.: 679 Sheet No.:



# **DRAWING INDEX**

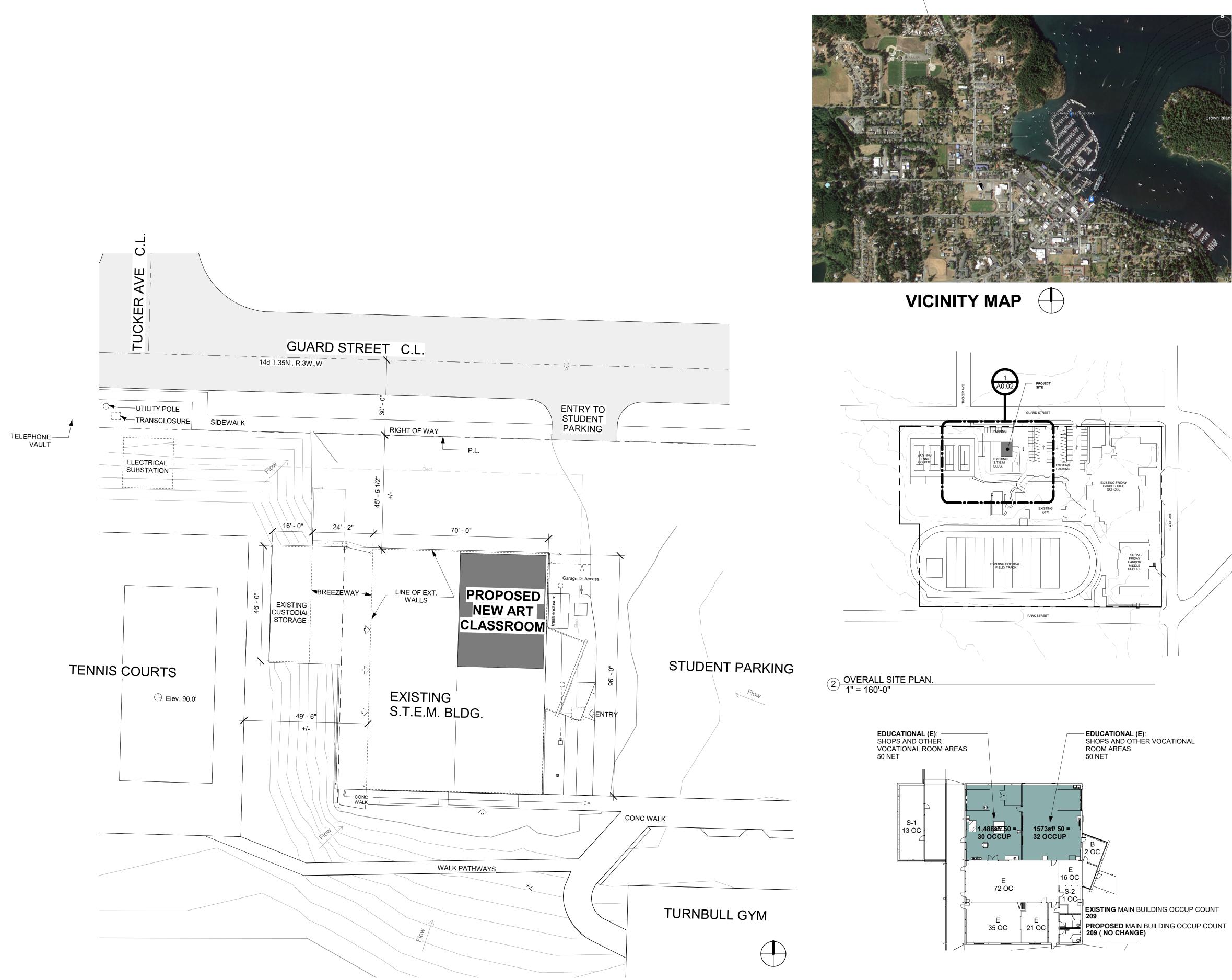
A0.02 ZONING CODE ANALYSIS AND SITE PLAN

A2.11 FURNITURE AND EQUIPMENT PLAN

A2.30 REFLECTED CEILING AND ROOF PLAN

A0.00 COVER SHEET

A2.10 FIRST FLOOR PLAN



<u>FRIDAY HARBOR HIGH</u> SCHOOL (FHHS)

7011101		TION		
ZONING I	NFORMA			
INCLUDES THE PARTITIC ART CLASSROOM. EXISTING RADIANT HEA REMOVED.	EXISTING FRIDAY HARB DNING OFF HALF OF TH TERS LOCATED OVER ERY VENTILATION SYS	OR HIGH S.T.E.M. BUILDING. WORK TO BE DONE HE EXISTING WOOD SHOP ROOM, CREATING NEW NEW CLASSROOM TO BE DEMOLISHED AND TEM TO HAVE DUCTING RECONFIGURED AND		
BUILDING DESCRIPTION		NEW ART CLASSROOM		
EXISTING METAL BUILDI	-			
SITE INFORMATION				
SITE ADDRESS	555 GUARD STREET	00050		
	FRIDAY HARBOR, WA	4 98250		
PARCEL NUMBER	351491001000 15637			
QUARTER	13037			
SECTION	14			
TOWNSHIP	35			
RANGE	03			
CURRENT LEGAL DESCRIPTION	F H TRACTS 10-01 (PI 14, T 35N, R 3W	R NE-NE) Sec		
LOT SIZE	1.06 ACRES, (46,056	SQFT)		
CONSTRUCTION TYPE	2B			
DRAINAGE NOTES	NO CHANGE			
PLANNING CRITERIA				
JURISDICTION		SAN JUAN ISLAND		
CURRENT ZONE DISTRI	СТ	FRIDAY HARBOR INCORPORATED UGA		
NEIGHBORHOOD		FRIDAY HARBOR - AREA 01 - COMM (11516)		
LAND AREA		1.057 ACRES (46,056 SQFT)		
SETBACKS ( NO CHANG	E TO BUILDING FOOTP	RINT)		
MAXIMUM BUILDING HEI	GHT (NO CHANGE)			
EXISTING NUMBER OF S		1 LEVEL 19 FEET		
<ol> <li>2. THE CONTRACTOR S PROCEEDING WITH</li> <li>3. DO NOT SCALE DRA</li> <li>4. NOTIFY THE ARCHIT</li> <li>5. THE CONTRACTOR S GENERAL SAFETY D CONSTRUCTION.</li> <li>6. ALL DISPOSAL SHAL</li> <li>7. WAGES PAID UNDEF RATE IN SAN JUAN O WASHINGTON</li> <li>8. ALL MOUNTED CONTRACTOR S</li> </ol>	SHALL CONFIRM SITE ( THE WORK WINGS, WRITTEN DIME ECT IMMEDIATELY REG SHALL COORDINATE W URING THE WORK, TH L BE IN ACCORDANCE R THIS CONTRACT SHA COUNTY IN ACCORDAN TROLS SUCH AS THER SPACE WITH CABINET	TH THE IBC 2018 EDITION CONDITIOND AND DIMENSIONS PRIOR TO ENSIONS TAKE PRECEDENCE GARDING ANY CHANGES, ERRORS OR OMISSIONS /ITH THE OWNER TO MAINTAIN EXISTING AND E FACILITY MAY BE USED BY THE OWNER DURING WITH FEDERAL, STATE AND LOCAL REGULATIONS ALL BE NOT LESS THAN THE PREVAILING WAGE ICE WITH CHAPTER 39.12 RCW FOR THE STATE OF MOSTATS, ECT. THAT ARE LOCATED IN 'RY ARE TO BE RELOCATED TO CLOSEST		
<b>BUILDING</b> <b>INTERNATIONAL B</b> <b>APPLICABLE CODES</b> 2018 INTERNATIONAL BU 2018 INTERNATIONAL BU 2018 INTERNATIONAL FU 2018 INTERNATIONAL FIF 2018 UNIFORM PLUMBIN 2018 NATIONAL ELECTRI ICC/ANSI A117.1-2009	UILDING CODE (IBC) ANI ECHANICAL CODE (IMC IEL GAS CODE (IFGC) A RE CODE (IFC) AND AMI G CODE (UPC) AND AM	) AND AMENDMENTS ND AMENDMENTS ENDMENTS IENDMENTS		
CURRENT USE CLASSIFI EXISTING MAIN BUILDING		EDUCATIONAL (E) 209		
PROPOSED MAIN BUILDI		209 (NO CHANGE)		

7,107 SF NO CHANGE 734 SF NO CHANGE 1,095 SF NO CHANGE

1,680 SF EXISTING

8,936 SF NO CHANGE

1 STORY - NO CHANGE 19 FEET - NO CHANGE

70' - 4"

<u>EX. BLDG.</u> 7,128 SF

36' - 5"

AREA OF

11"

49' -

NORTH 

 $\checkmark$ 

WORK . 1,680 SF

SAN PO I PO I VA
Project Title: FHHS STEM BUILDING ART CLASSROOM T.I. 555 GUARD STREET FRIDAY HARBOR, WA 98250
Sheet Contents: ZONING CODE ANALYSIS AND SITE PLAN
Revisions: Rev. Date
Drawn By: BP, KV Checked: BP Date: 06/24/2022
Job No.: 679 Sheet No.:

A0.02

architects

MOUNT VERNON P: **(360) 336-2155** 204 West Montgomery Street Mount Vernon, WA 98273 **www.hkpa.com** 

STATE OF WASHINGTO

SCHOOL

ISLAND

HARB

Δ

2

86

ALLOWABLE AREA DIAGRAM

CONSTRUCTION TYPE

EXISTING BUILDING AREA - NO CHANGE

EXISTING BUILDING FLOOR AREA: EXISTING CUSTODIAL BUILDING: EXISTING BREEZWAY:

TENANT IMPROVEMENT AREA:

PROJECT HEIGHT- NO CHANGE

EXISTING NUMBER OF STORIES: EXISTING BUILDING HEIGHT:

46' - 0"

16' - 0" 23' - 11"

Ш

EXISTING:

TOTAL

PROPOSED:

HAZARD MATERIAL CABINET TO BE STORED BEHIND LOCKED FENCE ENCLOSURE

**BID ALTERNATIVE #1** 10'x12'x8'(h) CHAIN LINK FENCE ENCLOSURE WITH OPEN STORAGE

EXISTING GLASS GARAGE DOOR TO **REMAIN AS IS** 

DOOR TO HAVE PANIC HARDWARE ALLOWING FOR UNRESTRICTED EXITING AT ALL TIMES. W/ CLOSER.

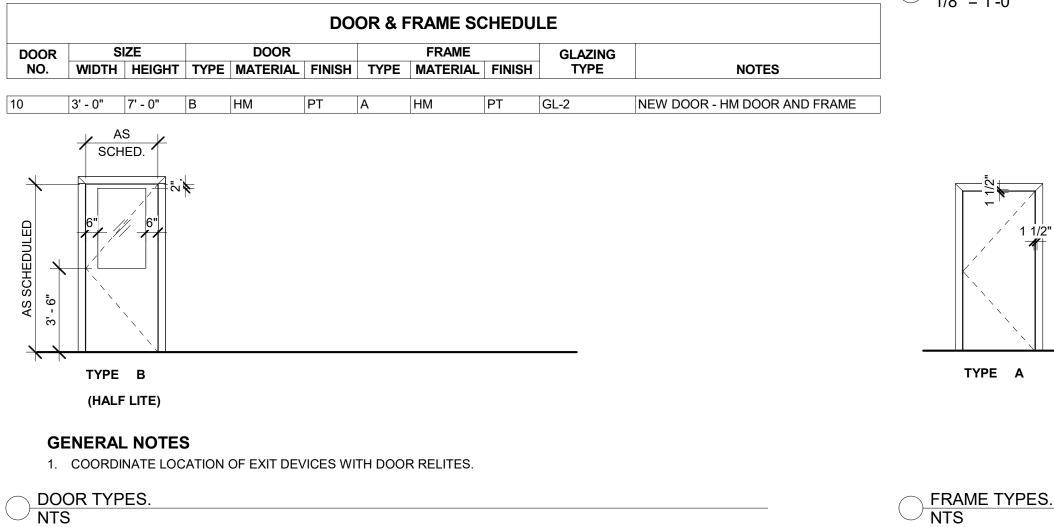
**EXISTING DUST** COLLECTOR TO BE DISCONNECTED AND DUCT CAPPED.

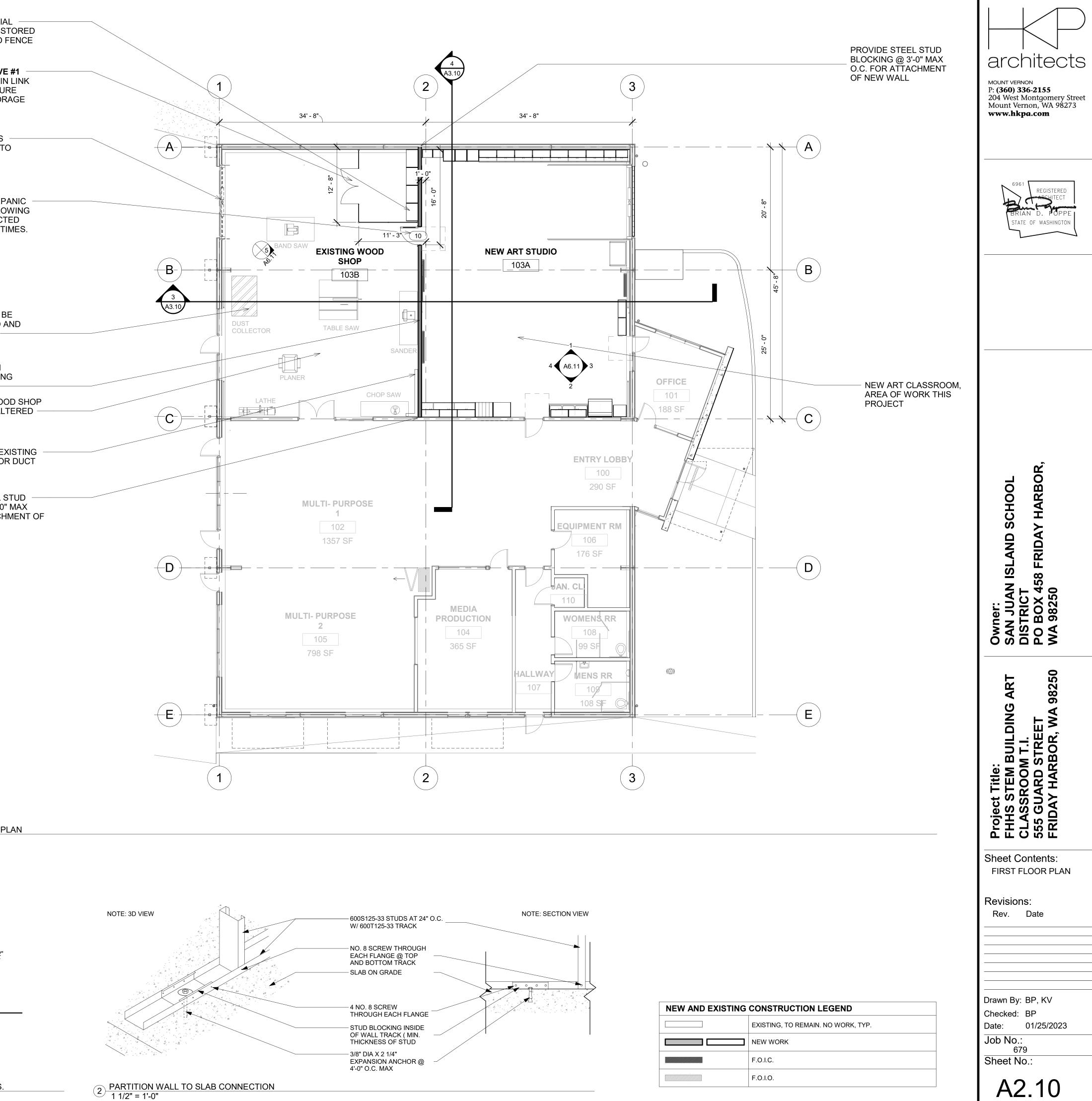
NEW PARTITION DIVIDING EXISTING WOOD SHOP -PORTION OF WOOD SHOP TO REMAIN UNALTERED

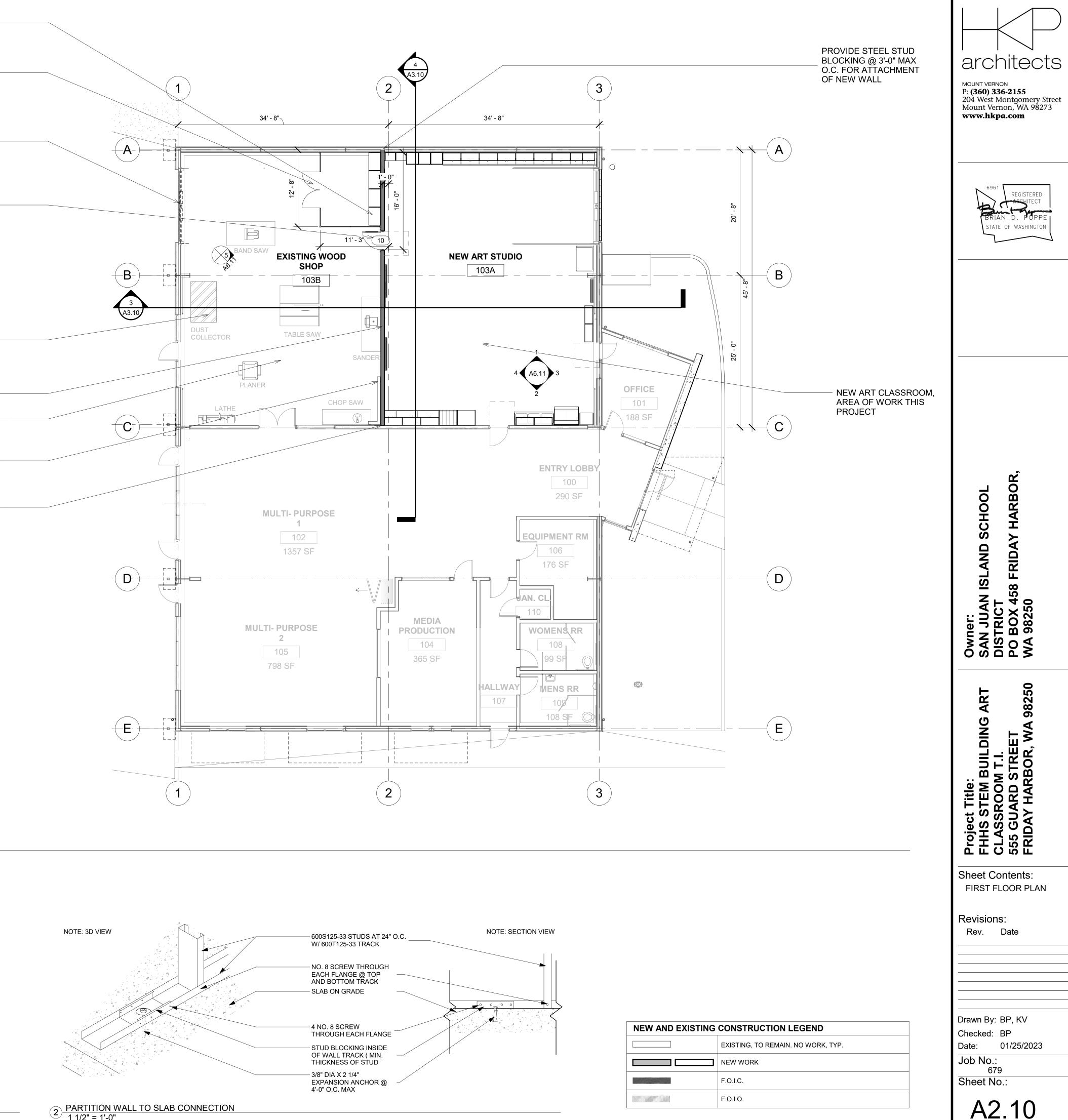
RECONFIGURE EXISTING DUST COLLECTOR DUCT

PROVIDE STEEL STUD BLOCKING @ 3'-0" MAX O.C. FOR ATTACHMENT OF NEW WALL

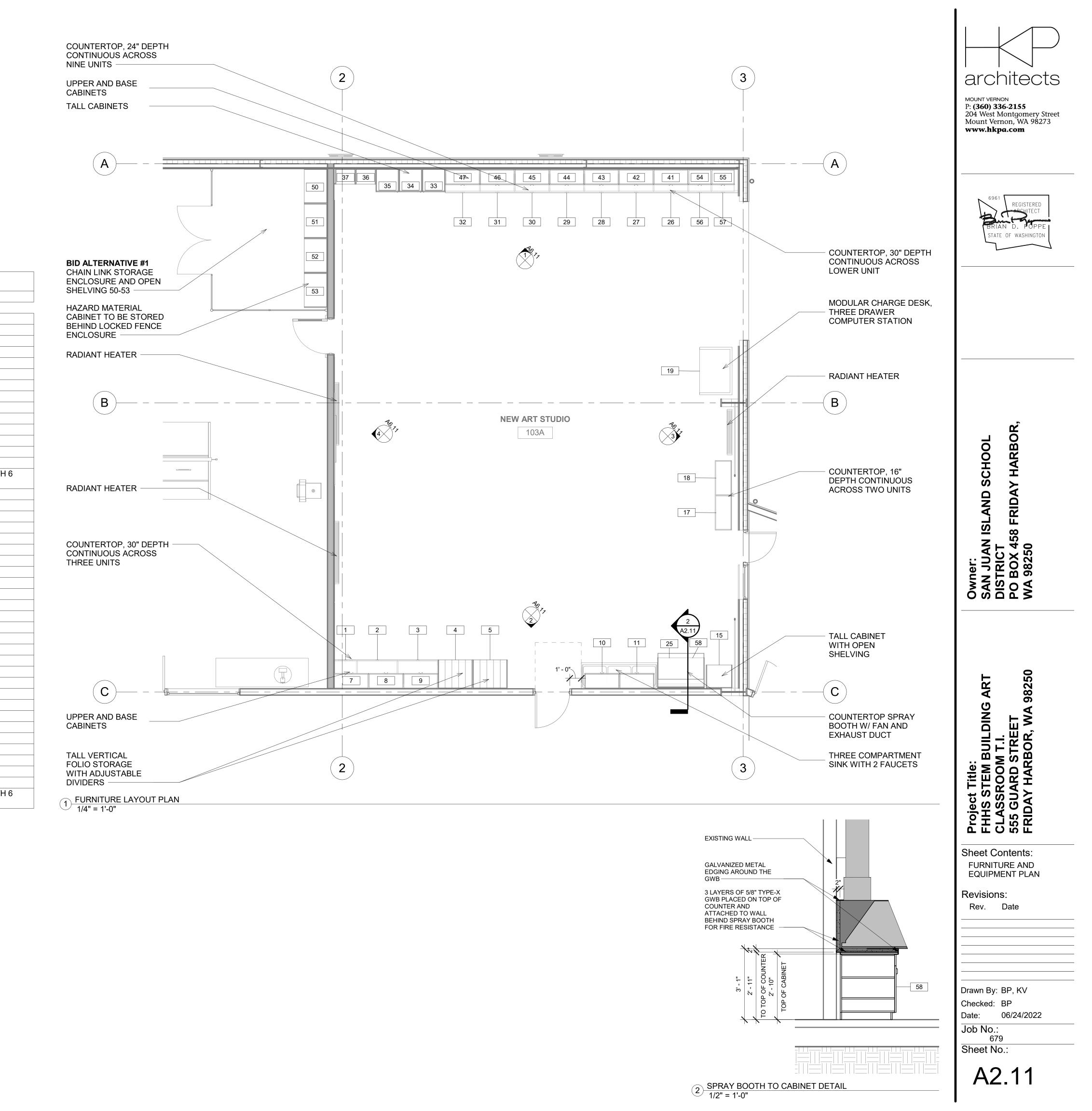
(1) FIRST FLOOR PLAN 1/8" = 1'-0"

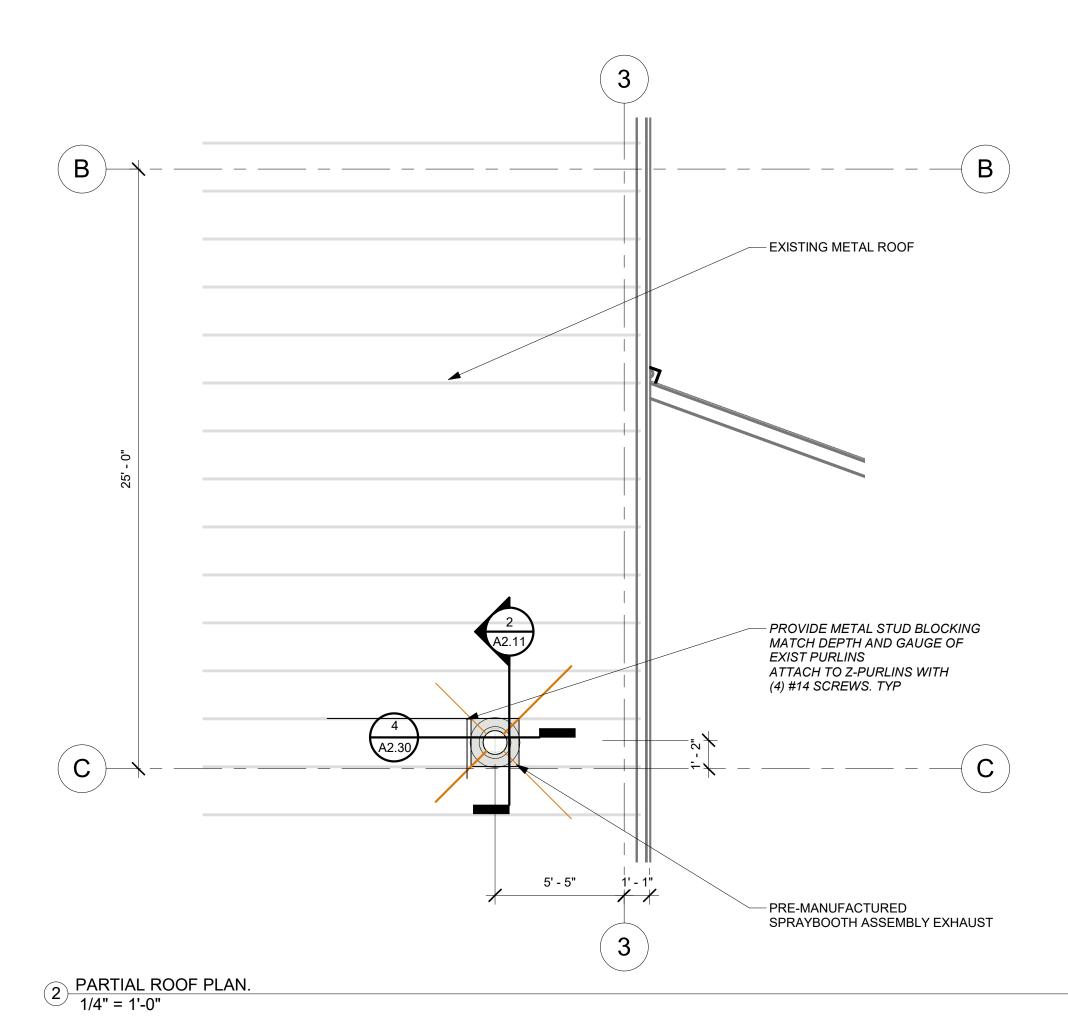


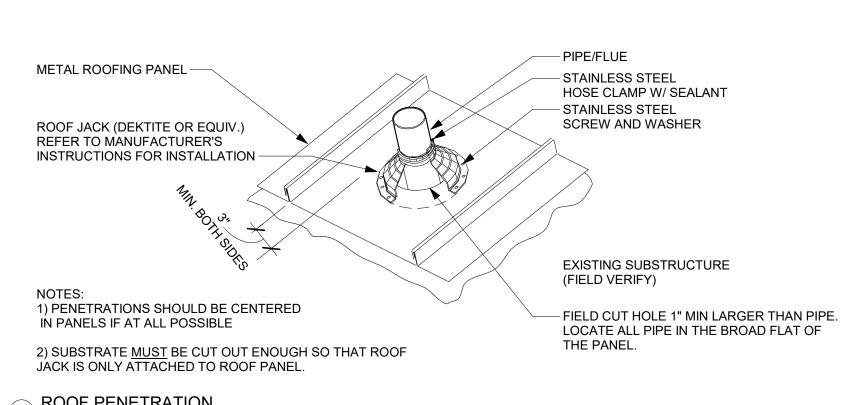




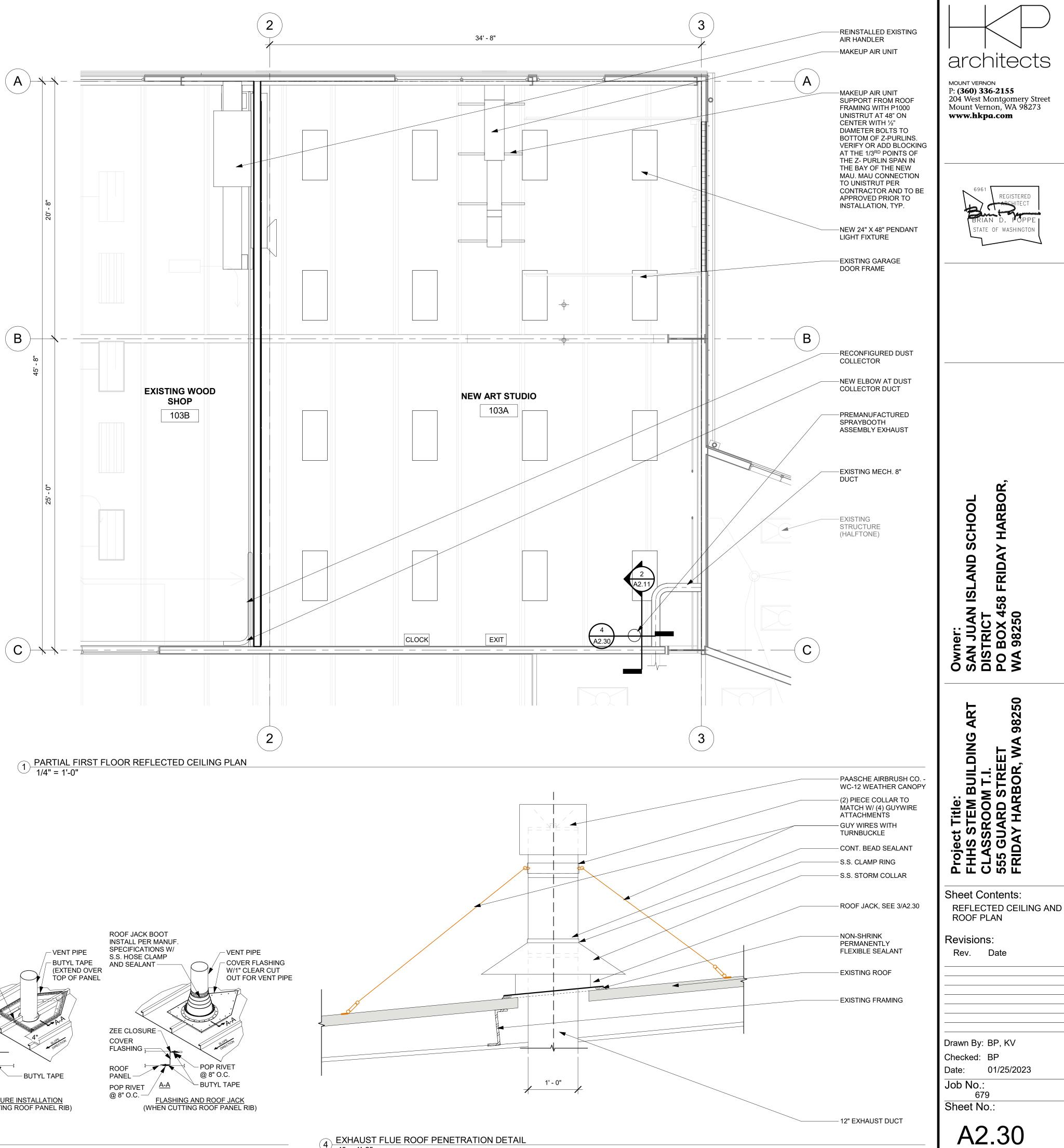
	MANUFACTURED CASEWORK SCHEDULE					
Mark	Manufacturer	Model	Height	Width	Depth	Comments
	1			1		
1	Case Systems		3' - 0"	2' - 0"	2' - 5"	BASE CABINET, FIVE DRAWER STORAGE
2	Case Systems		3' - 0"	3' - 6"	2' - 5"	BASE CABINET, FIVE DRAWER PAPER STORAGE
3		B4150	3' - 0"	3' - 6"	2' - 5"	BASE CABINET, FIVE DRAWER PAPER STORAGE
4	Case Systems		7' - 0"	3' - 0"	2' - 6"	TALL CABINET, FOLIO STORAGE WITH ADJUSTABLE DIVIDERS
5	Case Systems		7' - 0"	3' - 0"	2' - 6"	TALL CABINET, FOLIO STORAGE WITH ADJUSTABLE DIVIDERS
7	Case Systems			3' - 0"	1' - 4"	UPPER CABINET
8	Case Systems			3' - 0"	1' - 4"	UPPER CABINET
9	Case Systems	W0100		3' - 0"	1' - 4"	UPPER CABINET
10	Case Systems			3' - 0"	1' - 4"	UPPER CABINET
11	Case Systems			3' - 0"	1' - 4"	UPPER CABINET
15	Case Systems		7' - 11"		2' - 0"	TALL CABINET, OPEN STORAGE
17	Case Systems	B0000	3' - 0"	3' - 0"	1' - 4"	BASE CABINET, OPEN STORAGE
18	Case Systems		3' - 0"	3' - 0"	1' - 4"	BASE CABINET, OPEN STORAGE
19	Case Systems	D6010		4' - 0"	2' - 9"	MODULAR CHARGE DESK, THREE DRAWER COMPUTER STATION
25	Case Systems	B0100	2' - 10"	2' - 0"	2' - 5"	BASE CABINET, UNDER SPRAY BOOTH, LOWERED 2" FOR GWB WITH 6 INCH TOP RIBBON FOR CONTROLS
26	Case Systems	B0100	3' - 0"	3' - 0"	2' - 0"	BASE CABINET, STORAGE WITH DOORS
27	Case Systems	B0100	3' - 0"	3' - 0"	2' - 0"	BASE CABINET, STORAGE WITH DOORS
28	Case Systems	B0100	3' - 0"	3' - 0"	2' - 0"	BASE CABINET, STORAGE WITH DOORS
29	Case Systems	B0100	3' - 0"	3' - 0"	2' - 0"	BASE CABINET, STORAGE WITH DOORS
30	Case Systems	B0100	3' - 0"	3' - 0"	2' - 0"	BASE CABINET, STORAGE WITH DOORS
31	Case Systems	B0100	3' - 0"	3' - 0"	2' - 0"	BASE CABINET, STORAGE WITH DOORS
32	Case Systems	B0100	3' - 0"	3' - 0"	2' - 0"	BASE CABINET, STORAGE WITH DOORS
33	Case Systems	T0110	6' - 0"	2' - 0"	2' - 0"	TALL CABINET , STORAGE W/ DOOR
34	Case Systems	T0110	6' - 0"	2' - 0"	2' - 0"	TALL CABINET , STORAGE W/ DOOR
35	Case Systems	T0110	6' - 0"	2' - 0"	2' - 0"	TALL CABINET , STORAGE W/ DOOR
36	Case Systems	T0000	6' - 0"	1' - 9"	1' - 4"	TALL CABINET , STORAGE W/ DOOR
37	Case Systems	T0000	2' - 6"	1' - 9"	1' - 4"	TALL CABINET , STORAGE W/ DOOR
41	Case Systems	W0100	2' - 6"	3' - 0"	1' - 4"	UPPER CABINET
42	Case Systems	W0100	2' - 6"	3' - 0"	1' - 4"	UPPER CABINET
43	Case Systems	W0100	2' - 6"	3' - 0"	1' - 4"	UPPER CABINET
44	Case Systems	W0100	2' - 6"	3' - 0"	1' - 4"	UPPER CABINET
45	Case Systems	W0100	2' - 6"	3' - 0"	1' - 4"	UPPER CABINET
46	Case Systems	W0100	2' - 6"	3' - 0"	1' - 4"	UPPER CABINET
47	Case Systems	W0100	0' - 0"	3' - 0"	1' - 4"	UPPER CABINET
50	Case Systems	T0000	7' - 11"	3' - 0"	2' - 0"	TALL CABINET, OPEN STORAGE (BID ALTERNATE)
51	Case Systems	T0000	7' - 11"	3' - 0"	2' - 0"	TALL CABINET, OPEN STORAGE (BID ALTERNATE)
52	Case Systems	T0000	7' - 11"	3' - 0"	2' - 0"	TALL CABINET, OPEN STORAGE (BID ALTERNATE)
53	Case Systems	T0000	2' - 6" "	3' - 0"	2' - 0"	TALL CABINET, OPEN STORAGE (BID ALTERNATE)
54	Case Systems	W0100	2' - 6"	2' - 0"	1' - 4"	UPPER CABINET
55	Case Systems	W0100	0' - 0"	2' - 0"	1' - 4"	UPPER CABINET
56	Case Systems	B0100	3' - 0"	2' - 0"	2' - 0"	BASE CABINET, STORAGE WITH DOORS
57	Case Systems	B0100	3' - 0"	2' - 0"	2' - 0"	BASE CABINET, STORAGE WITH DOORS
58	Case Systems	B0100	2' - 10"	2' - 0"	2' - 5"	BASE CABINET, UNDER SPRAY BOOTH, LOWERED 2" FOR GWB WITH 6 INCH TOP RIBBON FOR CONTROLS

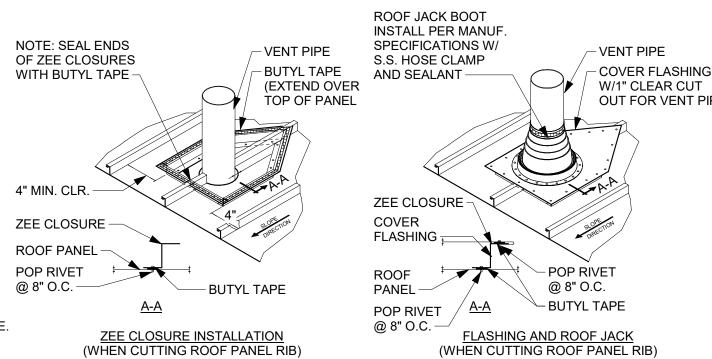


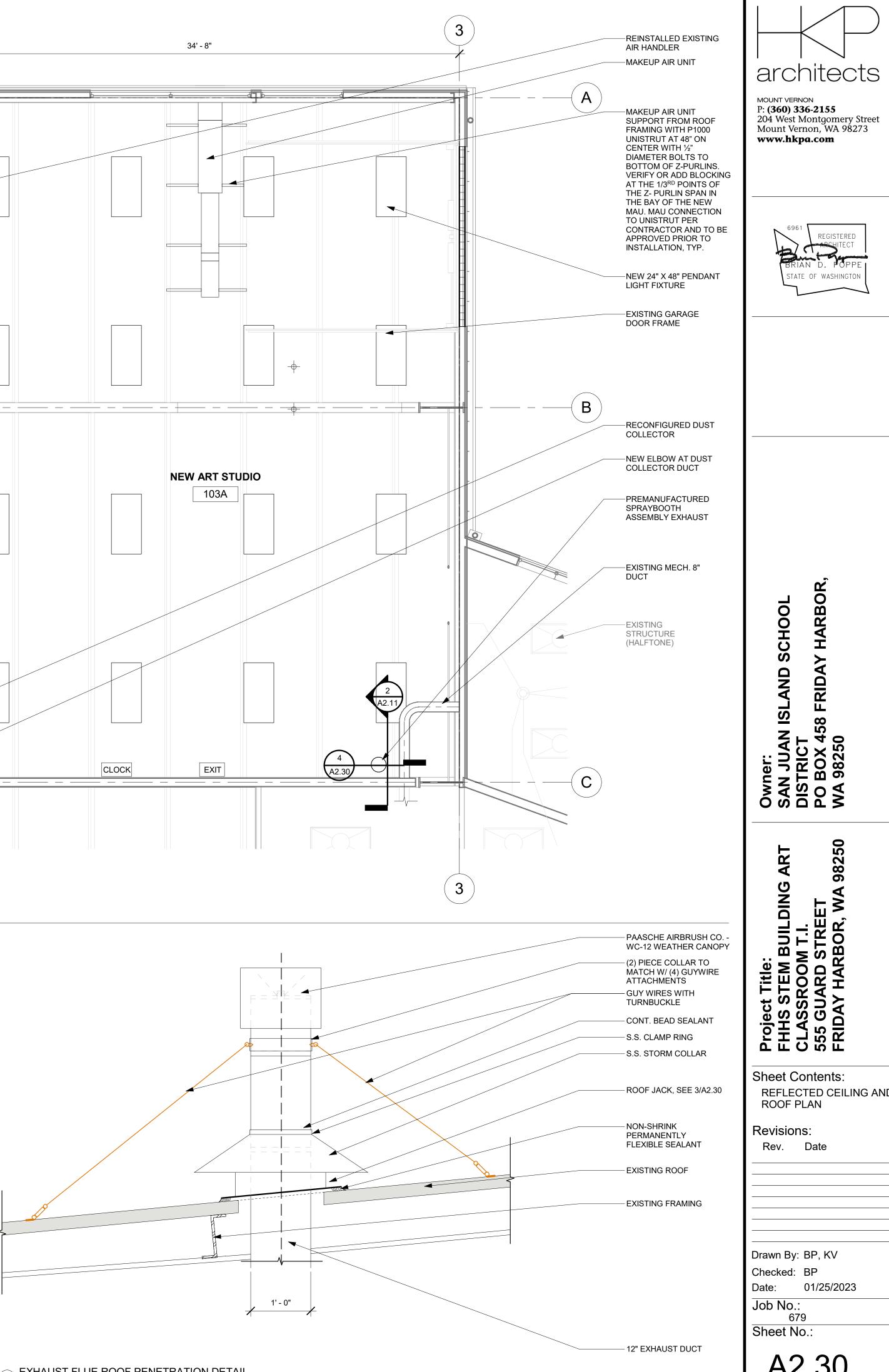


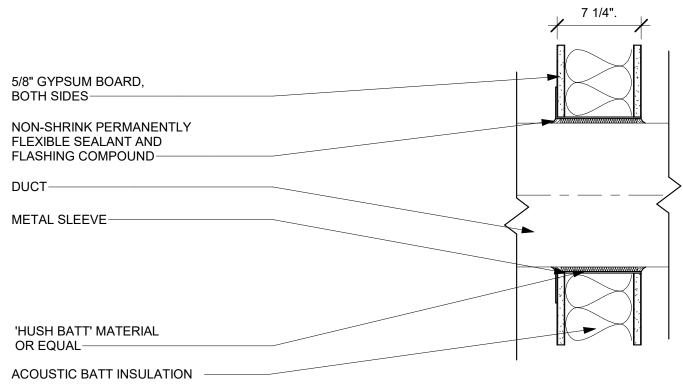


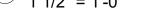
3 ROOF PENETRATION 1" = 1'-0"

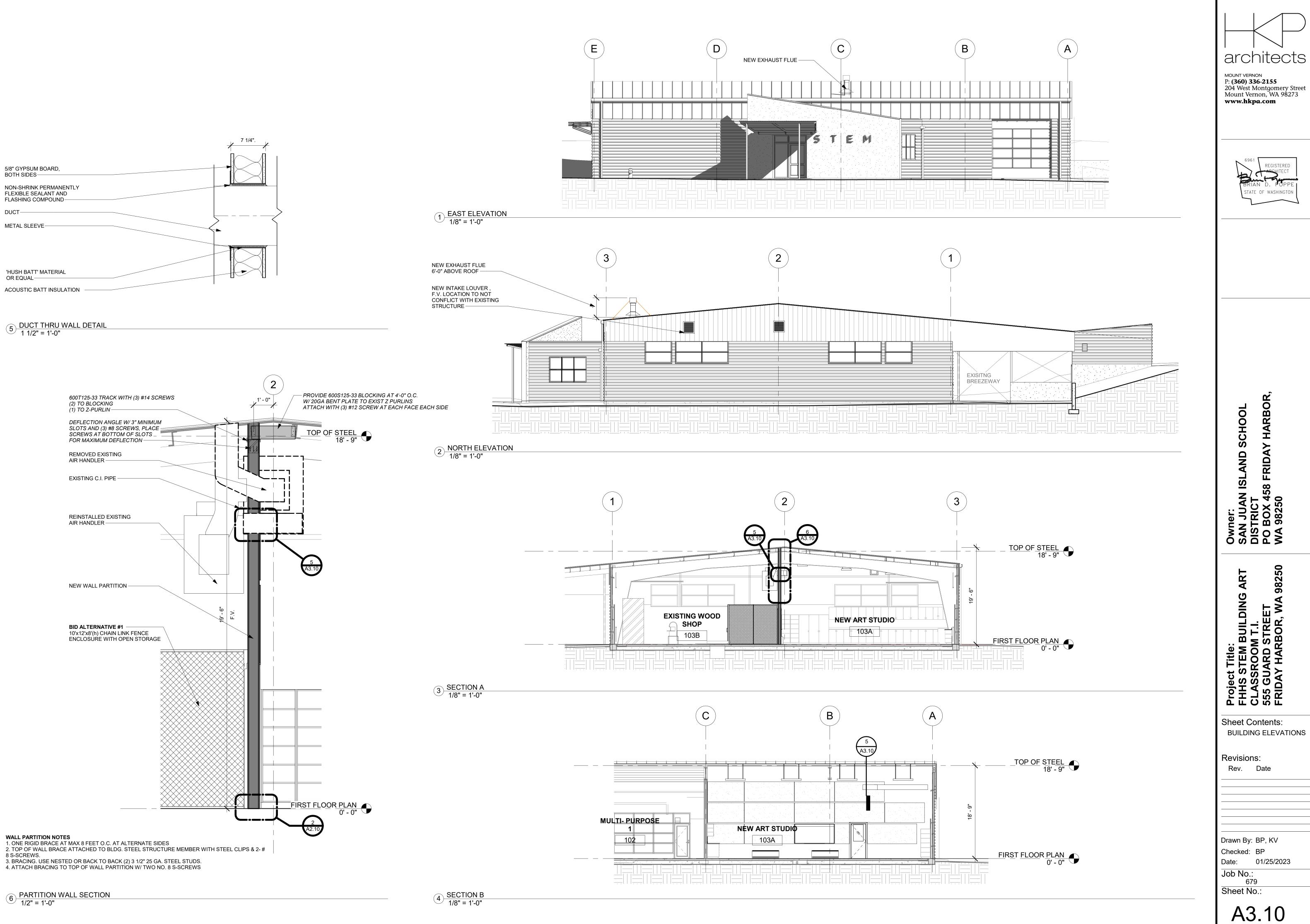












### DEMOLITION CONSTRUCTION LEGEND

CONTRACTOR TO DEMOLISH CONTRACTOR TO TEMPORARILY REMOVE. PRESERVE AND PROTECT FOR RE-INSTALL. OWNER TO DEMOLISH

EXISTING, TO REMAIN. NO WORK, TYP.

GENERAL NOTES:

1. INSTALL 16" 16 GA METAL STRAPPING AS REQ'D FOR BLOCKING TO SECURELY MOUNT CASEWORK TRIMS AND ALL ITEMS REQUIRING BLOCKING

- 2. GWB TO BE CUT & REMOVED FOR BLOCKING INSTALL @ ALL AREAS OF CASEWORK INSTALLATION. INSTALL NEW GWB, PATCH & PAINT ENTIRE WALL OF WORK, TYP. 3. ALL EXISTING SAFETY AND ELECTRICAL CONTROLS TO BE
- REMOVED AND STORED FOR OWNER'S REUSE OR CONTRACTOR REINSTALLATION IF THEY INTERFERE WITH THE AREA OF WORK.
- 4. SEE A2.12 FURNITURE AND EQUIPMENT PLAN FOR CASEWORK LAYOUT AND SCHEDULE

### CONTRACTOR TO TEMPORARILY REMOVE EXISTING AIR HANDLER AND RELOCATED -

PROVIDE STEEL STUD BLOCKING @ 3'-0" MAX O.C. FOR ATTACHMENT OF NEW WALL

EXISTING WINDOWS TO REMAIN -

REMOVE DRYWALL SECTION OF NEW WALL PLACEMENT -

PREP WALL FOR CASEWORK STRIPPING 16 GA. METAL STRAPPING & SOLID ANCHORING AT WALLS , TYP. SEE GENERAL NOTES -

 $1 \frac{\text{WOOD SHOP - NORTH ELEVATION DEMOLITION}}{1/4" = 1'-0"}$ 

REMOVE SECTION OF ROOF FOR EXHAUST FLUE ROOF PENETRATION PROVIDE STEEL STUD BLOCKING @ 3'-0" MAX O.C. FOR

ATTACHMENT OF NEW WALL

REMOVE SECTION OF E DUST COLLECTOR -

EXISTING WINDOWS TO REMAIN

EXISTING DOOR TO REMAIN -

16 GA. METAL STRAPPING & SOLID ANCHORING AT WALLS , TYP. SEE GENERAL NOTES -

PREP WALL FOR CASEWORK STRIPING EXISTING SINK TO BE REMOVED, NEW 3 BASIN SINK TO ALIGN WITH EXISTING PLUMBING -

2 WOOD SHOP - SOUTH ELEVATION DEMOLITION 1/4" = 1'-0"

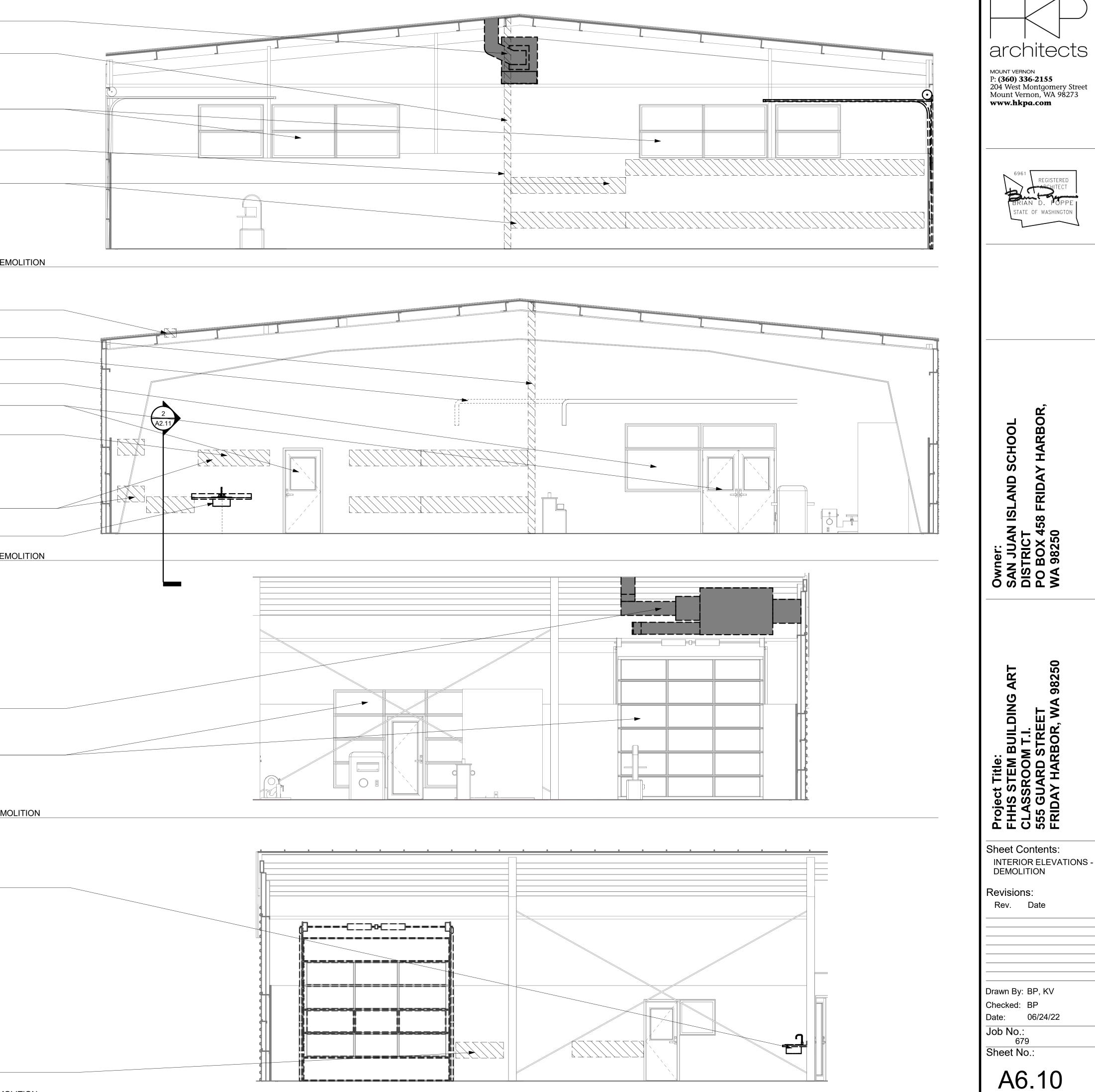
CONTRACTOR TO TEMPORARILY REMOVE EXISTING AIR HANDLER AND RELOCATE -

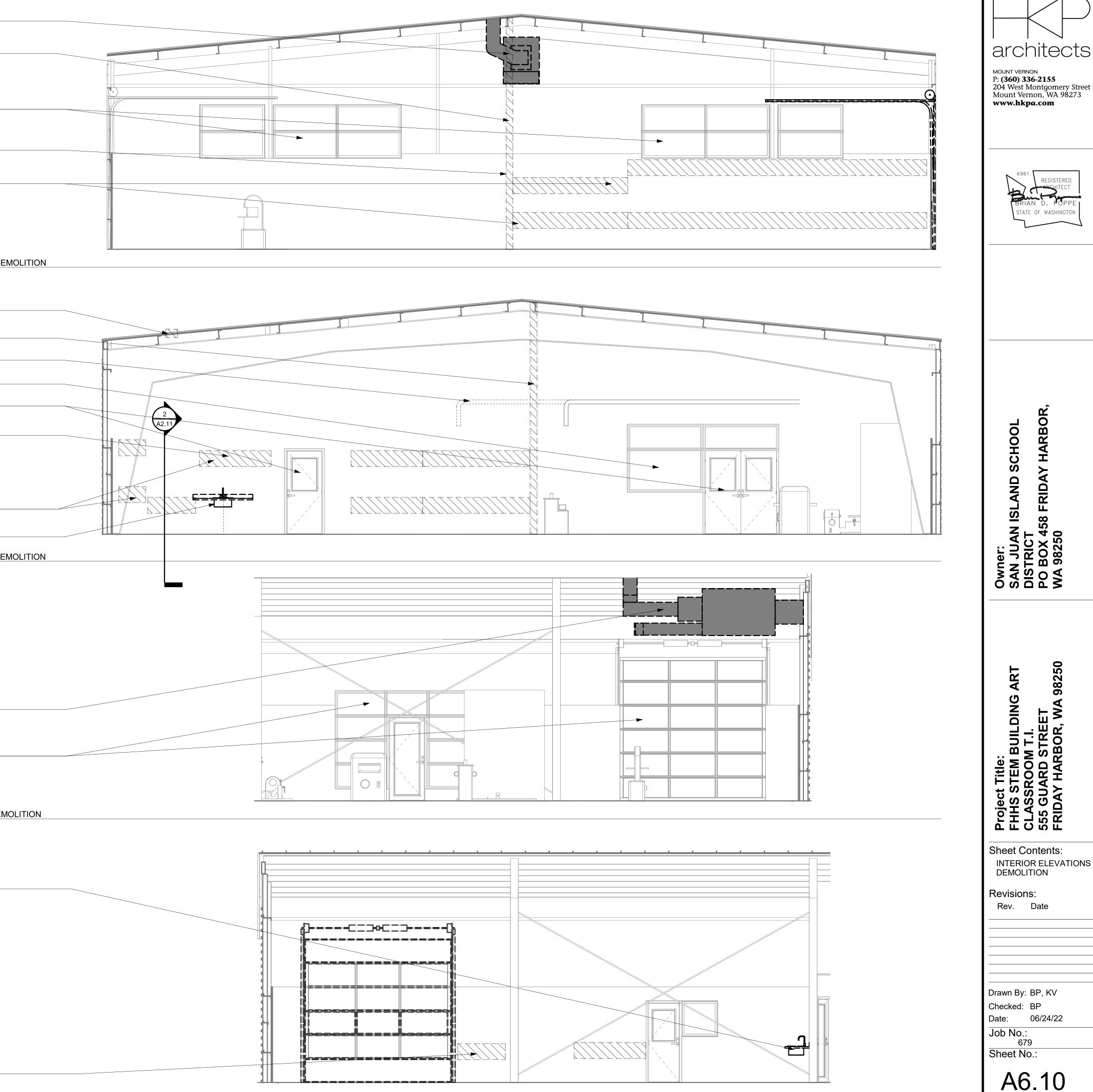
DOORS AND WINDOWS TO REMAIN -

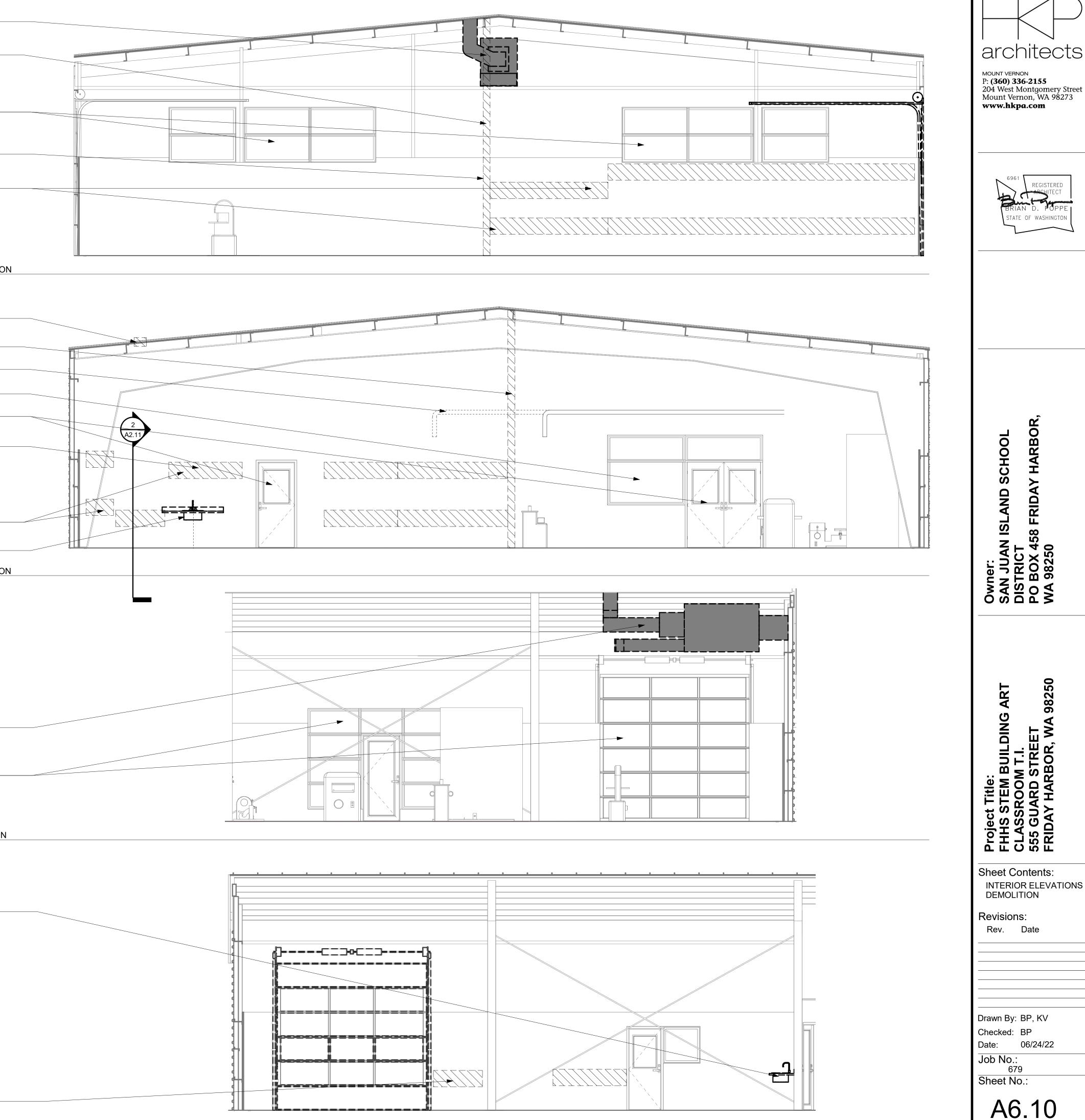
3 WOOD SHOP - WEST ELEVATION DEMOLITION 1/4" = 1'-0"

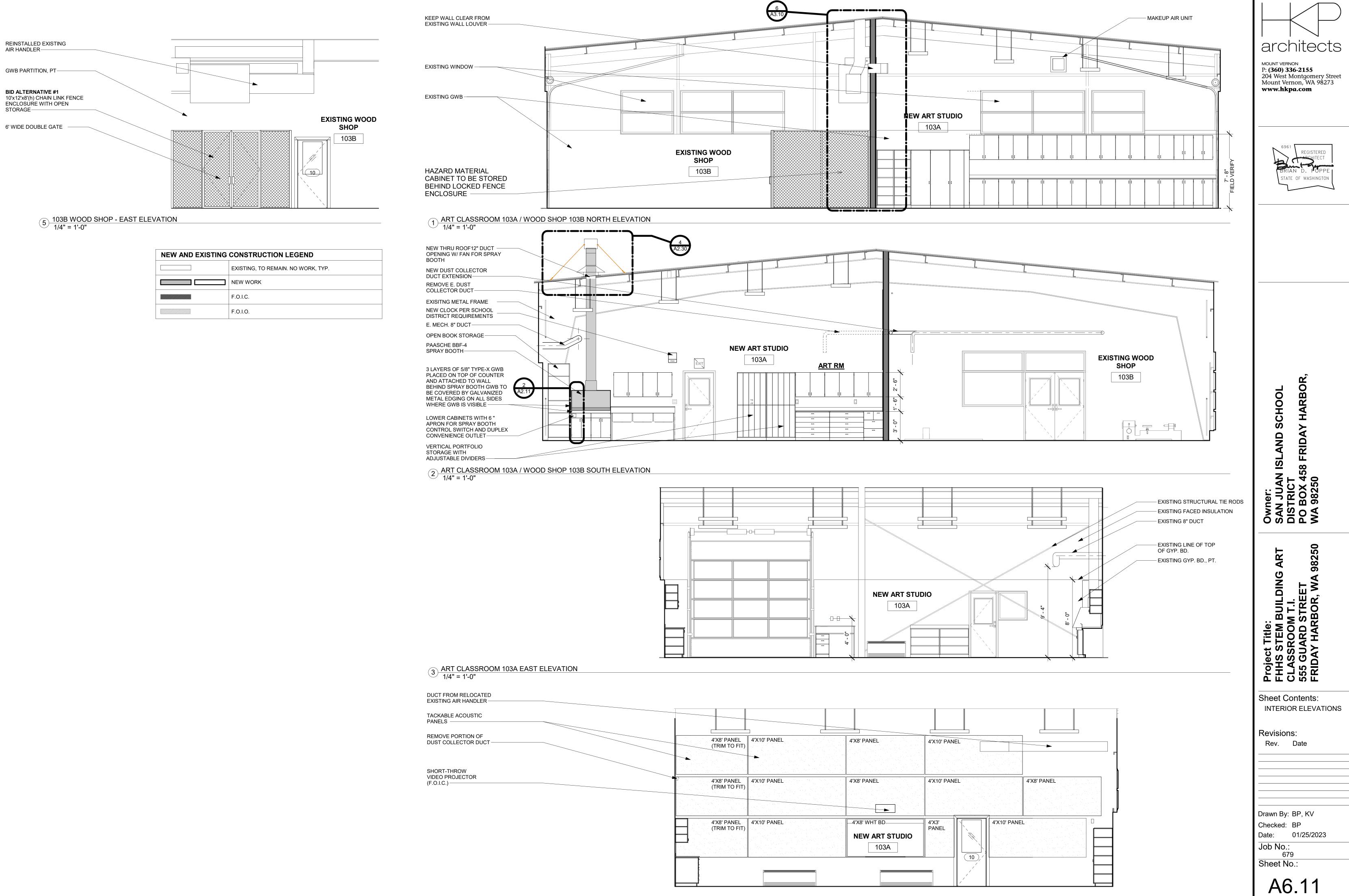
PREP WALL FOR CASEWORK STRIPPING 16 GA. METAL STRAPPING & SOLID ANCHORING AT WALLS , TYP. SEE GENERAL NOTES -

(4) WOOD SHOP - EAST ELEVATION DEMOLITION 1/4" = 1'-0"

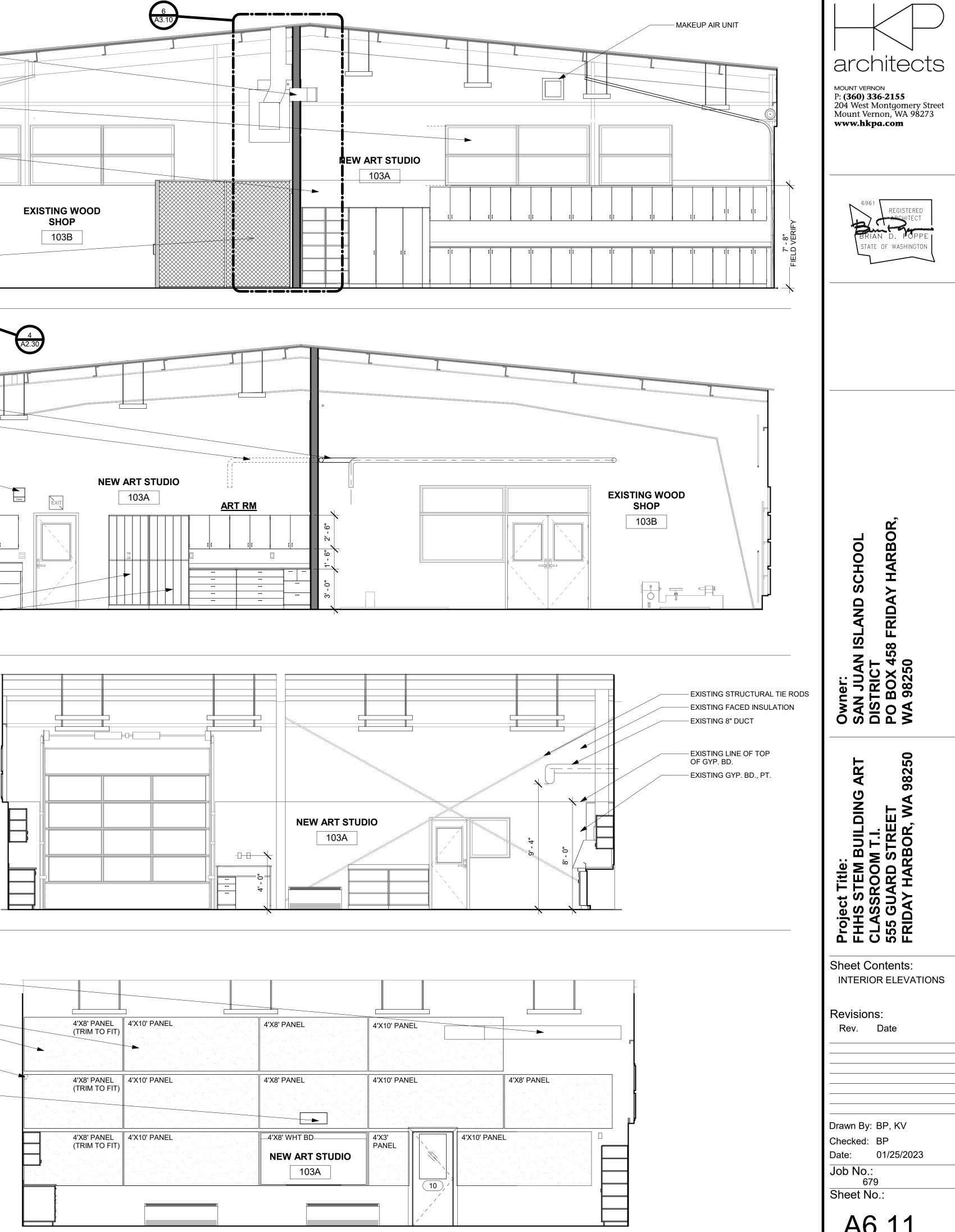


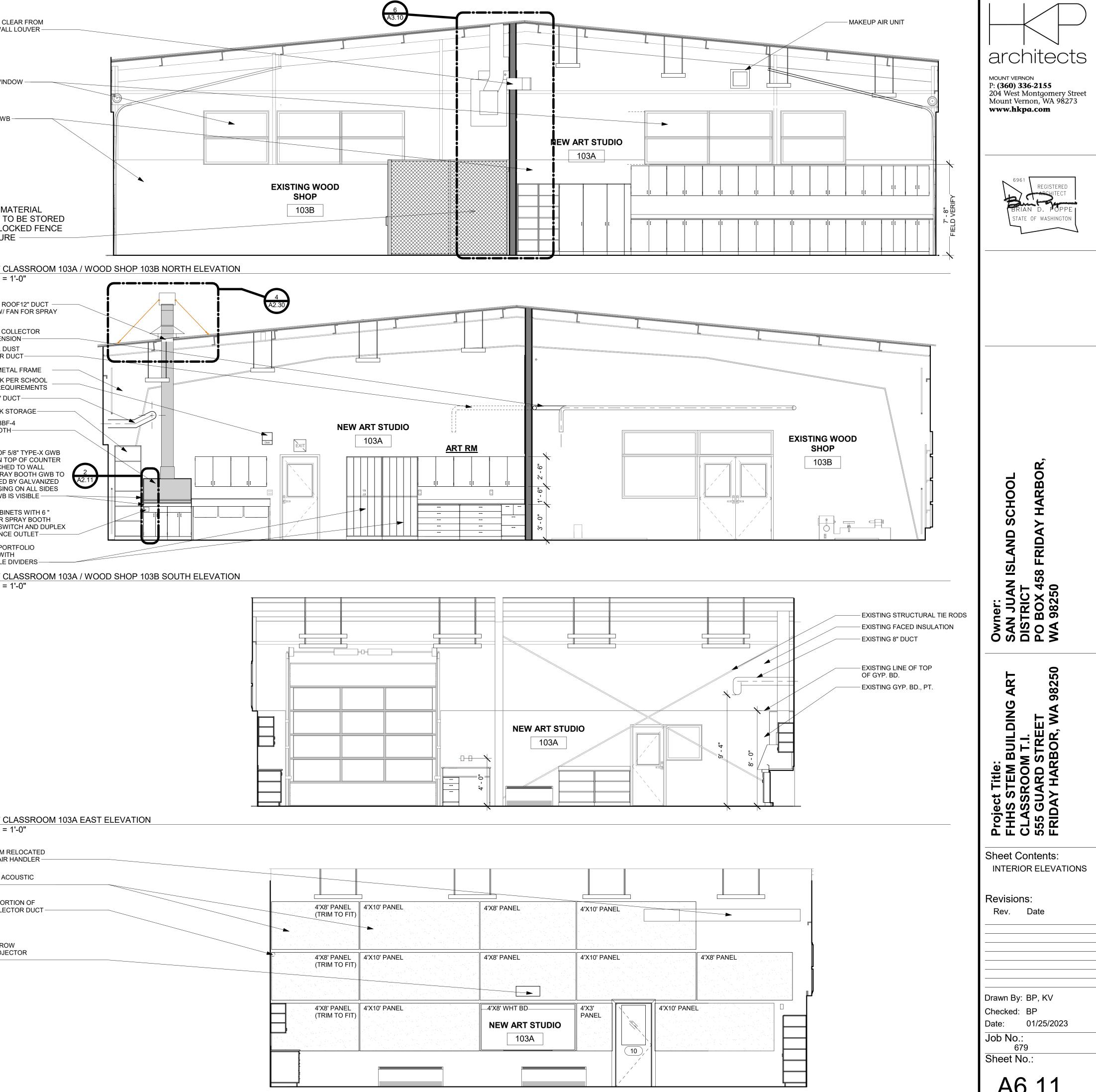






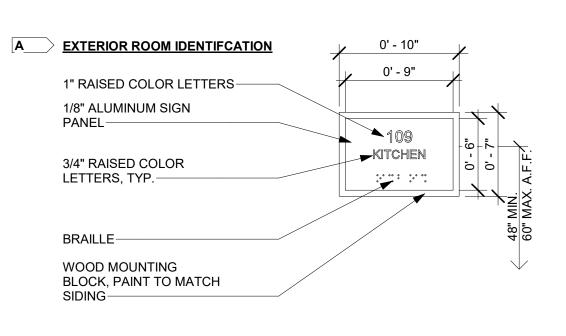


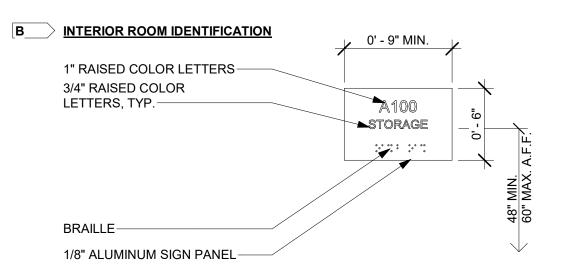


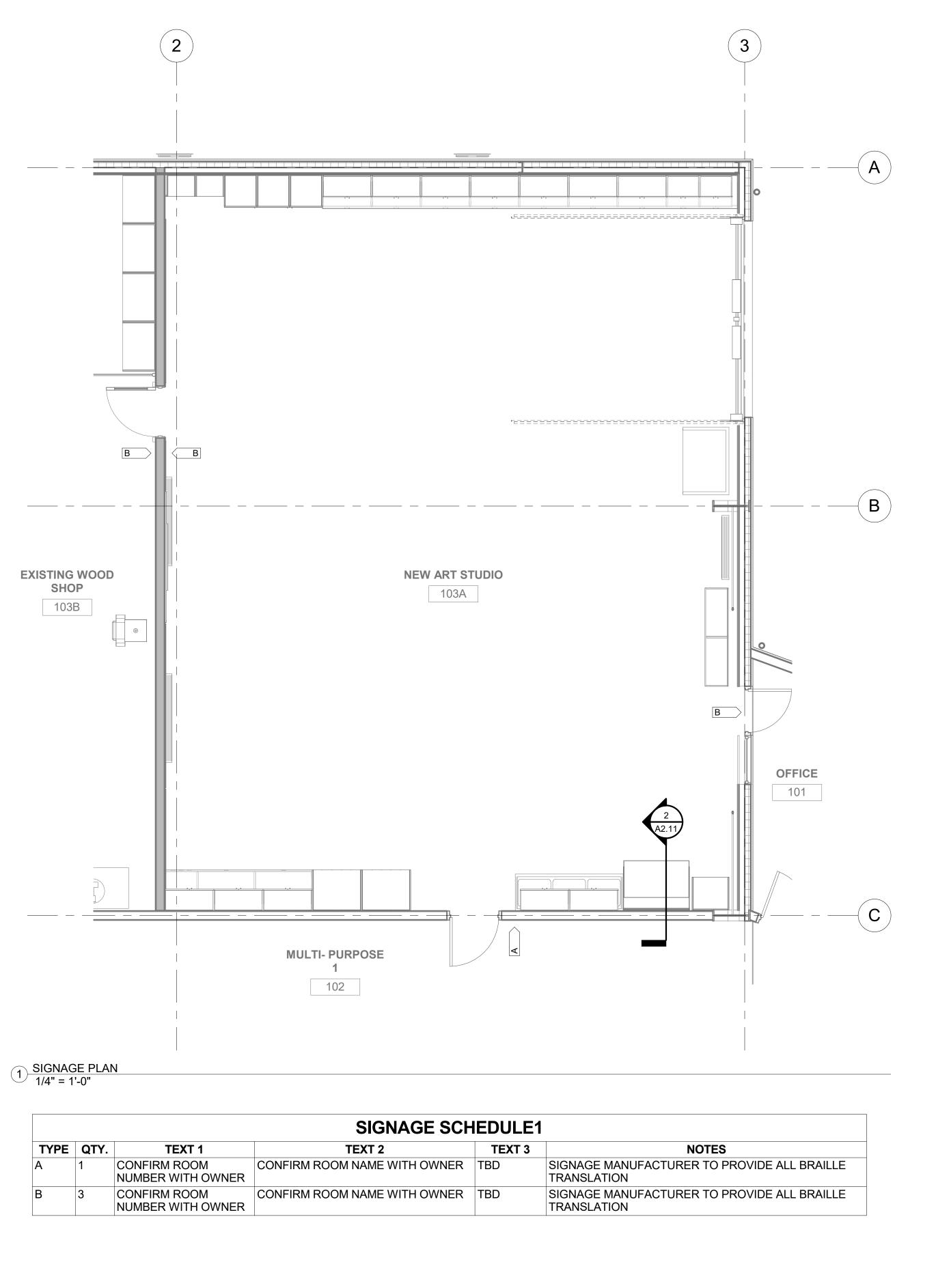




NOTE: BRAILLE SHOWN IS REPRESENTATIVE. SIGNAGE MANUFACTURER TO PROVIDE ALL BRAILLE TRANSLATION.







			SIGNAGE
TYPE	QTY.	TEXT 1	TEXT 2
A	1	CONFIRM ROOM NUMBER WITH OWNER	CONFIRM ROOM NAME WITH O
В	3	CONFIRM ROOM NUMBER WITH OWNER	CONFIRM ROOM NAME WITH O

MOUNT VERNON P: (360) 336-2155 204 West Montgomery Street Mount Vernon, WA 98273 www.hkpa.com
6961 REGISTERED ARCHITECT BRIAN D. POPPE STATE OF WASHINGTON
Owner: SAN JUAN ISLAND SCHOOL BISTRICT PO BOX 458 FRIDAY HARBOR, WA 98250
Project Title: FHHS STEM BUILDING ART CLASSROOM T.I. 555 GUARD STREET FRIDAY HARBOR, WA 98250
Sheet Contents: SIGNAGE PLAN, SCHEDULE & TYPES Revisions: Rev. Date
Drawn By: BP, KV Checked: BP Date: 01/25/2023 Job No.: 679 Sheet No.: <b>A8.10</b>

### **NOTES** (APPLICABLE TO ALL ELECTRICAL DRAWINGS):

- 1. ALL SYSTEMS, EQUIPMENT, DEVICES, RACEWAYS, CABLES, ETC. INDICATED ARE NEW UNLESS NOTED OTHERWISE.
- 2. RACEWAYS AND CABLES THROUGHOUT THE FACILITY SHALL BE RUN CONCEALED IN THE WALLS, ABOVE THE CEILING OR BELOW THE FLOOR WHERE POSSIBLE, EXCEPT, EXPOSED WITHIN UTILITY & OTHER NON-PUBLIC SPACES. WITHIN PUBLIC SPACES, WHERE DUE TO THE BUILDINGS CONSTRUCTION, IT IS NOT POSSIBLE TO ROUTE RACEWAYS & CABLES CONCEALED, RACEWAYS MAY BE RUN EXPOSED. (EXPOSED CABLES ARE NOT ALLOWED EXCEPT IN TELECOMMUNICATIONS ROOMS.) EXPOSED RACEWAYS SHALL BE RUN AS NEATLY & UNOBTRUSIVELY AS POSSIBLE, SUPPORTED AS REQUIRED, PARALLEL OR AT RIGHT ANGLES TO CEILINGS, WALLS & STRUCTURAL MEMBERS.
- 3. RACEWAYS SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:
- A. INTERIOR ACCESSIBLE CONCEALED SPACES ELECTRICAL METALLIC TUBING (EMT) WITH FLEXIBLE METAL CONDUIT (FLEX) FOR FINAL CONNECTIONS TO VIBRATING EQUIPMENT.
- B. INTERIOR, EXPOSED IN UTILITY ROOMS & OTHER NON-PUBLIC SPACES -ELECTRICAL METALLIC TUBING (EMT).
- C. EXTERIOR ABOVE GRADE GALVANIZED RIGID STEEL CONDUIT (GRS).
- D. EXTERIOR BELOW GRADE SCHEDULE 40 POLYVINYL CHLORIDE CONDUIT (PVC), EXCEPT CONDUIT BENDS & RISERS SHALL BE GALVANIZED RIGID STEEL (GRS).
- 4. RACEWAYS SHALL BE SIZED SO THAT THE CABLE FILL DOES NOT EXCEED 40%, EXCEPT, MINIMUM CONDUIT (& EQUIVALENT SURFACE METAL RACEWAY) SIZES SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:
- A. 3/4" BRANCH CIRCUITS, EXCEPT AS NOTED ELSEWHERE.
- B. 1" TELECOMMUNICATIONS RACEWAYS TERMINATING IN A SINGLE DEVICE.
- C. 1 1/4" TELECOMMUNICATIONS RACEWAYS SERVING MULTIPLE DEVICES.
- 5. FLEX MAY BE SUBSTITUTED FOR EMT WHEN RUN CONCEALED WITHIN WALLS & CEILINGS. FLEX SHALL NOT BE USED FOR HOME RUNS.
- 6. TELECOMMUNICATIONS CONDUITS SHALL BE PROVIDED WITH PULL STRINGS EXISTING CONDUITS TO BE USED SHALL BE FISHED AND CLEANED PRIOR TO INSTALLATION OF CABLES.
- BELOW GRADE SERVICE & FEEDER CABLE SHALL BE 1/C COPPER (UNLESS 7 SPECIFICALLY NOTED OTHERWISE) WITH 600V TYPE USE/RHH/RHW OR XHHW INSULATION.
- BRANCH CIRCUIT CABLES, EQUIPMENT GROUND CABLES AND ABOVE GRADE 8. FEEDER CABLES SHALL BE 1/C COPPER, #12 AWG UNLESS NOTED OTHERWISE, WITH 600V TYPE XHHW OR THHN/THWN INSULATION.
- 9. IN ADDITION TO THE CIRCUIT CONDUCTORS INDICATED, CONTRACTOR SHALL PROVIDE AN EQUIPMENT GROUND CABLE (SIZED THE SAME AS THE LARGEST CIRCUIT CONDUCTOR UNLESS SPECIFICALLY NOTED OTHERWISE) WITHIN EACH RACEWAY WITH THE CIRCUIT CONDUCTORS.
- 10. ALL WIRING SHALL BE ENCLOSED WITHIN THE RACEWAY SYSTEM, EXCEPT, TELECOMMUNICATIONS, FIRE ALARM AND CLASS 2 LOW VOLTAGE CABLING MAY BE BUNDLED TOGETHER AND SUPPORTED OPEN IN ACCESSIBLE CEILING SPACES.
- 11. FLOOR, WALL AND CEILING PENETRATIONS BY OPEN CABLES WILL NOT BE ALLOWED. PROVIDE CONDUIT SLEEVES WHERE OPEN CABLES PASS THROUGH WALLS, DRAFTSTOPS, CEILINGS, FLOORS, ETC.
- 12. PROTECT "OPEN" CABLE WIRING FROM ROUGH AND/OR SHARP EDGES ON SUPPORTS, STRUCTURAL MEMBERS, ETC. AS REQUIRED DURING INSTALLATION.
- 13. VERIFY ALL EQUIPMENT, DEVICE, ETC. LOCATIONS WITH THE OWNER & ENGINEER PRIOR TO ROUGH-IN. THE OWNER RESERVES THE RIGHT TO RELOCATE OUTLETS, ETC. WITHIN 10' OF THE LOCATION INDICATED, WITHOUT INCREASE IN COST.
- 14. VERIFY ALL EQUIPMENT, DEVICE, ETC. LOCATIONS WITH THE ARCHITECT PRIOR TO ROUGH-IN. SEE MECHANICAL DRAWINGS FOR LOCATION OF MECHANICAL EQUIPMENT, ARCHITECTURAL DRAWINGS FOR SPECIALTY EQUIPMENT, CASEWORK, ETC. THE OWNER RESERVES THE RIGHT TO RELOCATE OUTLETS, ETC. WITHIN 10' OF THE LOCATION INDICATED, WITHOUT INCREASE IN COST.
- 15. CONTRACTOR SHALL VERIFY WITH THE ARCHITECT THE FIRE RESISTIVE RATINGS FOR WALLS, PARTITIONS AND OTHER BUILDING STRUCTURES. INSTALLATION OF NEW SYSTEM COMPONENTS MUST MAINTAIN THE EXISTING FIRE RESISTIVE RATING OF THE BUILDING.
- 16. PAINT ALL SURFACE RACEWAYS TO MATCH BUILDING SURFACE.

### **DEMOLITION NOTES:**

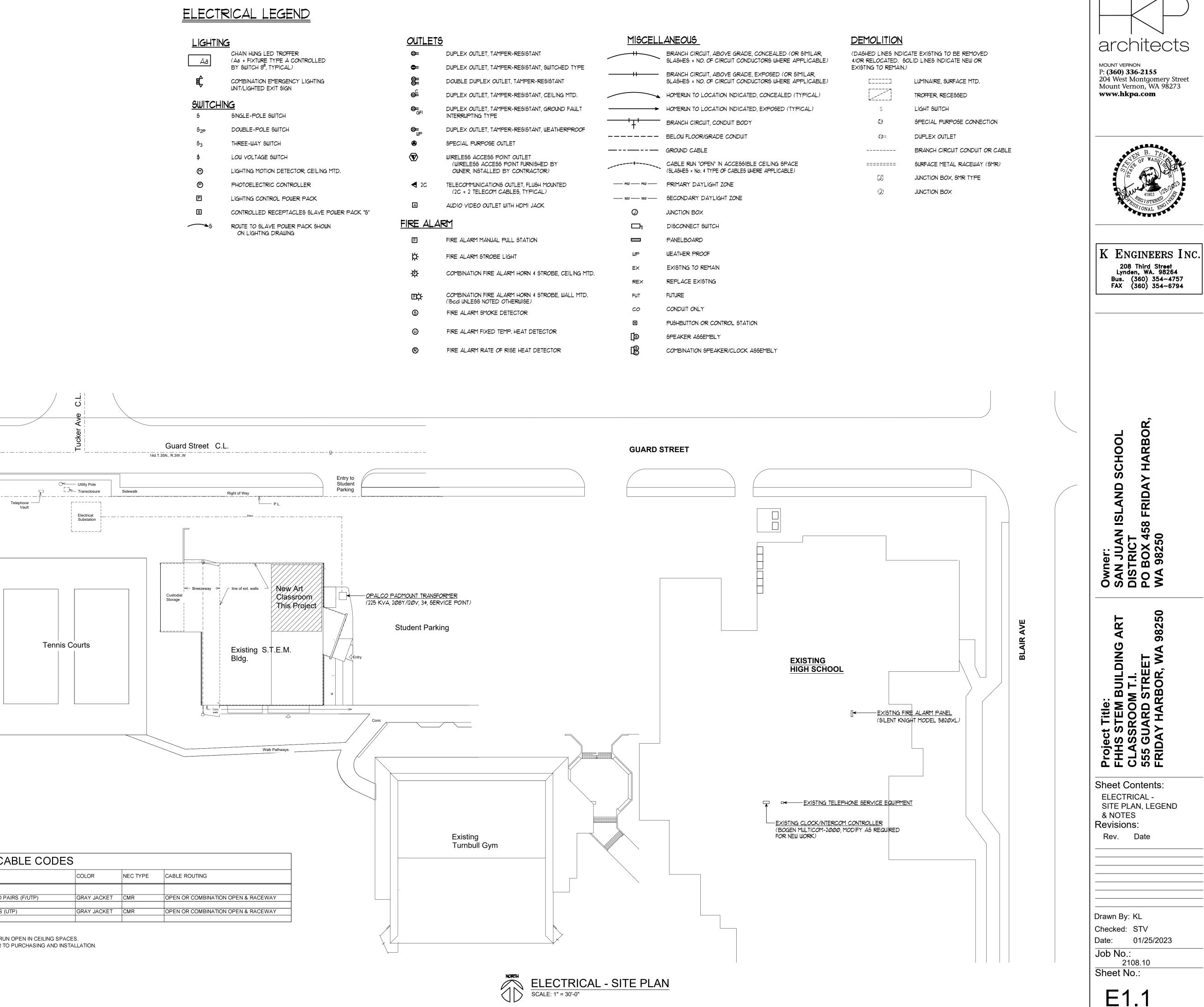
- 1. CONTRACTOR SHALL REMOVE EXISTING EQUIPMENT, FIXTURES, DEVICES, ETC. AS INDICATED IN THE WORK AREA AND ALL ASSOCIATED CONDUIT, BOXES, CABLES, ETC. SHALL BE REMOVED TO THEIR POINT OF ORIGIN &/OR DESTINATION, EXCEPT:
- A. CONCEALED CONDUITS MAY BE ABANDONED IN PLACE. CABLES HOWEVER SHALL BE REMOVED WITH A PULL ROPE ADDED AND THE CONDUIT SHALL BE CAPPED AND LABELED (WHERE IT GOES) ON EACH END.
- 2. EXISTING FEEDERS, CIRCUITS, CONDUITS, CABLES, ETC. INTERRUPTED DUE TO THE SYSTEM UPGRADE SHALL BE RE-CONNECTED AS REQUIRED TO MAINTAIN THE ORIGINAL FUNCTION.
- 3. ALL SURPLUS MATERIAL REMOVED DURING THE DEMOLITION SHALL BE INSPECTED BY THE OWNER, AND THOSE ITEMS SELECTED SHALL REMAIN THE PROPERTY OF THE OWNER. ALL REMAINING SURPLUS MATERIALS SHALL BE REMOVED FROM THE SITE & DISPOSED OF BY THE CONTRACTOR ACCORDING TO ALL APPLICABLE REGULATIONS.

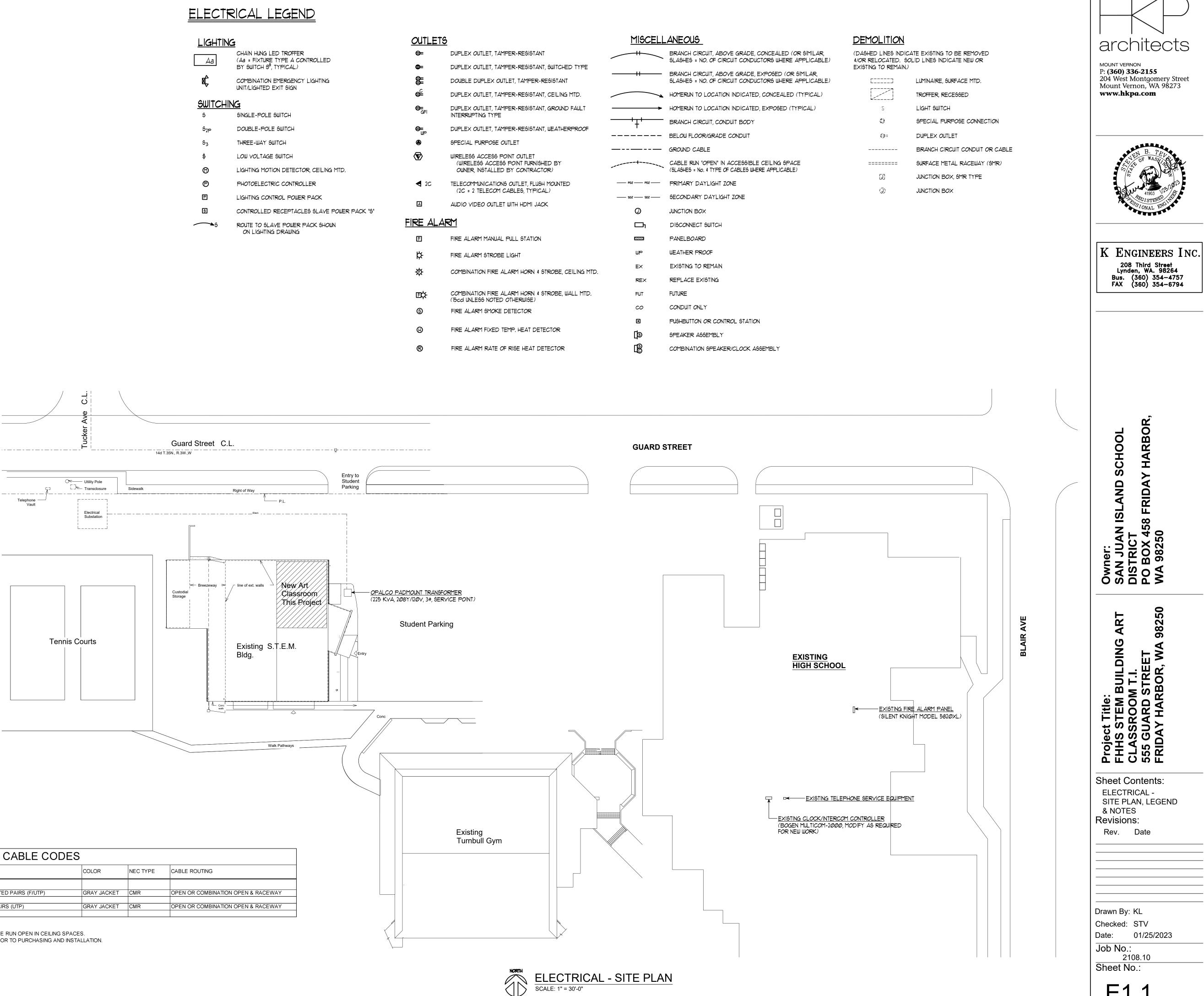
### LOW VOLTAGE CABLE CODES

CODE	FUNCTION	DESCRIPTION	COLOR	NEC TYPE	CABLE R
CM	TELECOM SYSTEM HORIZONTAL CABLE	CAT6 FOILED/UNSHIELDED TWISTED PAIRS (F/UTP)	GRAY JACKET	CMR	OPEN OR
С	CLOCK/INTERCOM SYSTEM CABLE	CAT5E UNSHIELDED TWISTED PAIRS (UTP)	GRAY JACKET	CMR	OPEN OR

NOTES:

ALL CABLING SHALL BE IN RACEWAYS, EXCEPT CABLES LISTED FOR THE PURPOSE MAY BE RUN OPEN IN CEILING SPACES. CONFIRM CABLES WITH FIRE ALARM AND CLOCK/BELL/INTERCOM SYSTEM PROVIDERS PRIOR TO PURCHASING AND INSTALLATION.





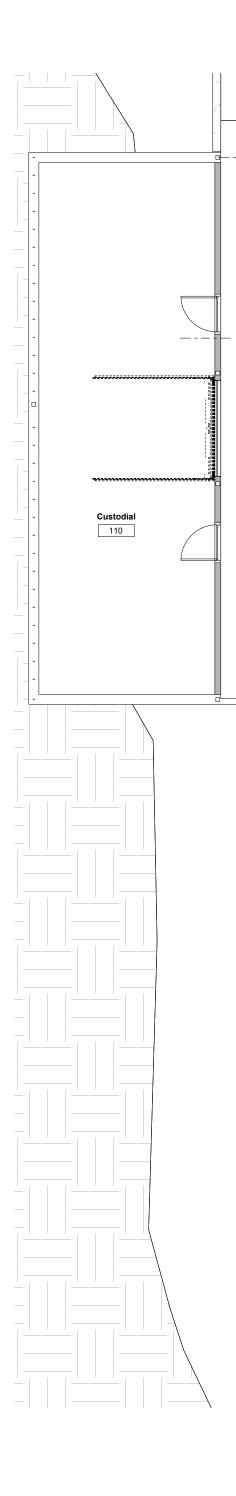
JT.	LE	<u>TS</u>	

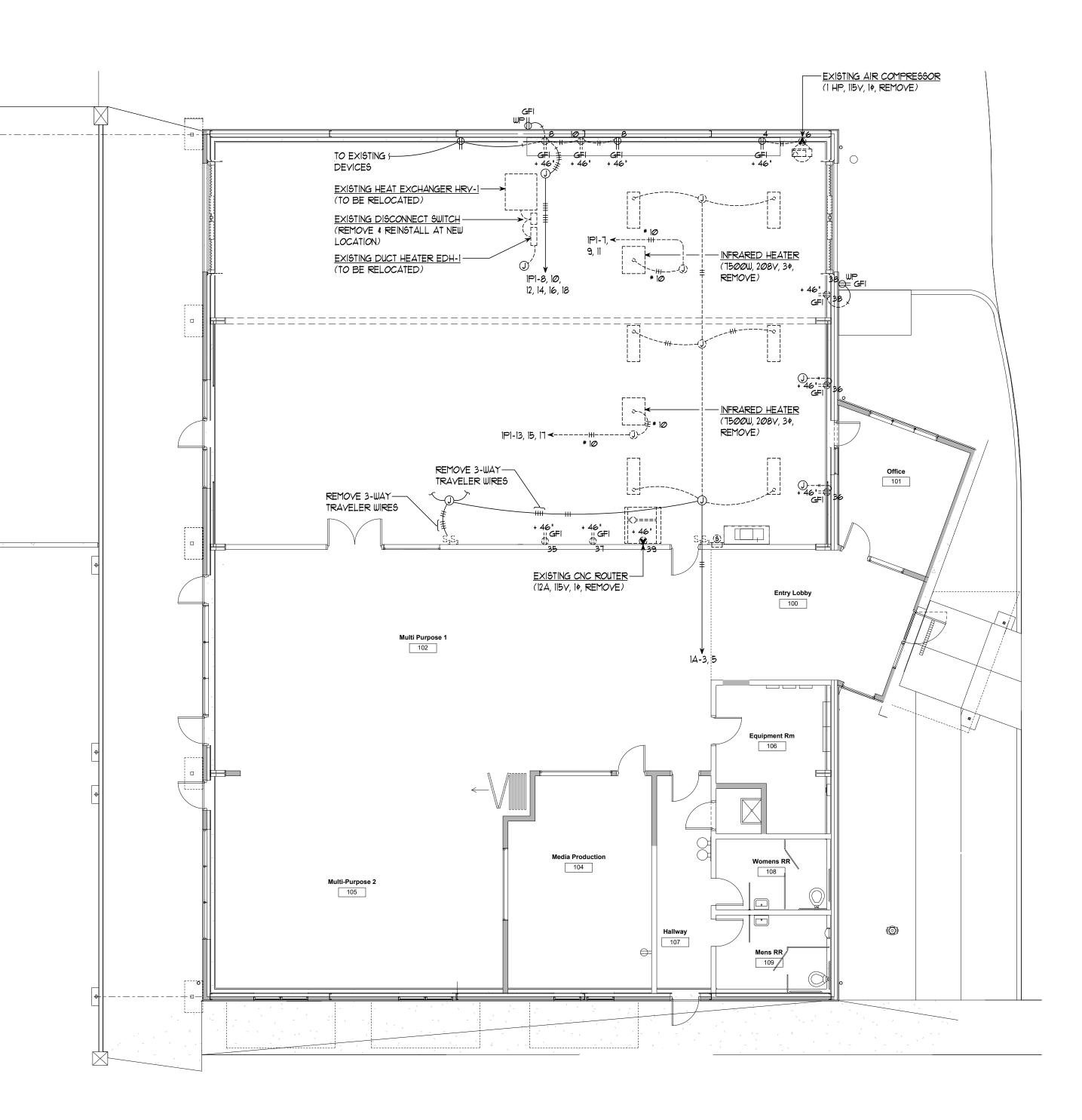
TLETS		MISCELL
:	DUPLEX OUTLET, TAMPER-RESISTANT	
:	DUPLEX OUTLET, TAMPER-RESISTANT, SWITCHED TYPE	
	DOUBLE DUPLEX OUTLET, TAMPER-REGISTANT	
:	DUPLEX OUTLET, TAMPER-RESISTANT, CEILING MTD.	
: ĴFI	DUPLEX OUTLET, TAMPER-RESISTANT, GROUND FAULT INTERRUPTING TYPE	<b>≻</b>
: P	DUPLEX OUTLET, TAMPER-REGISTANT, WEATHERPROOF	+
	SPECIAL PURPOSE OUTLET	
	WIRELESS ACCESS POINT OUTLET (WIRELESS ACCESS POINT FURNISHED BY OUNER, INSTALLED BY CONTRACTOR)	
2C	TELECOMMUNICATIONS OUTLET, FLUSH MOUNTED (2C = 2 TELECOM CABLES, TYPICAL)	POZ POZ
	AUDIO VIDEO OUTLET WITH HDMI JACK	soz soz O
	<u>*</u>	
	FIRE ALARM MANUAL PULL STATION	27772
	FIRE ALARM STROBE LIGHT	WP
	COMBINATION FIRE ALARM HORN & STROBE, CEILING MTD.	E×

Ε¢	COMBINATION FIRE ALARM HORN & STROBE, WALL MTD. (15cd UNLESS NOTED OTHERWISE)
6	FIRE ALARM SMOKE DETECTOR
⊕	FIRE ALARM FIXED TEMP, HEAT DETECTOR

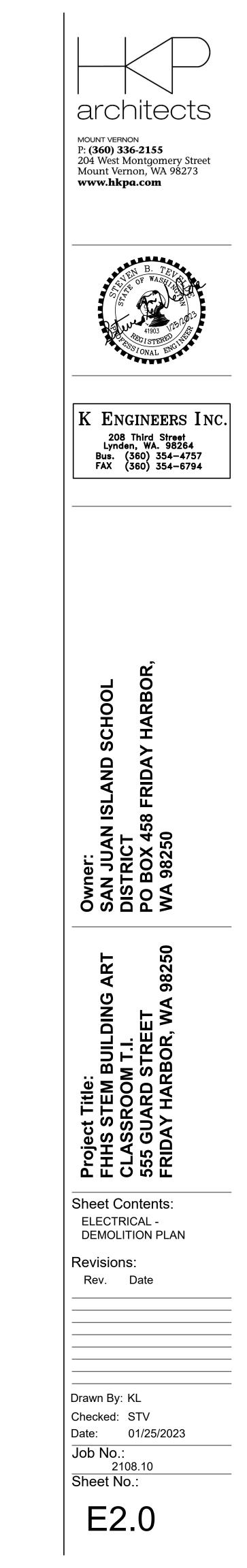
#	BRANCH CIRCUIT, ABOVE G SLASHES = NO. OF CIRCUIT (
++	BRANCH CIRCUIT, ABOVE G SLASHES = NO. OF CIRCUIT (
	HOMERUN TO LOCATION IND
>	HOMERUN TO LOCATION IND
+	BRANCH CIRCUIT, CONDUIT I
	BELOW FLOOR/GRADE CON
	GROUND CABLE
-+\	CABLE RUN 'OPEN' IN ACCE (SLASHES = No. & TYPE OF CAB
PDZ	PRIMARY DAYLIGHT ZONE
SDZ	SECONDARY DAYLIGHT ZON
Ø	JUNCTION BOX
	DISCONNECT SWITCH
	PANELBOARD
WP	WEATHER PROOF
E×	EXISTING TO REMAIN
REX	REPLACE EXISTING
FUT	FUTURE
со	CONDUIT ONLY
◙	PUSHBUTTON OR CONTROL
۵]	SPEAKER ASSEMBLY

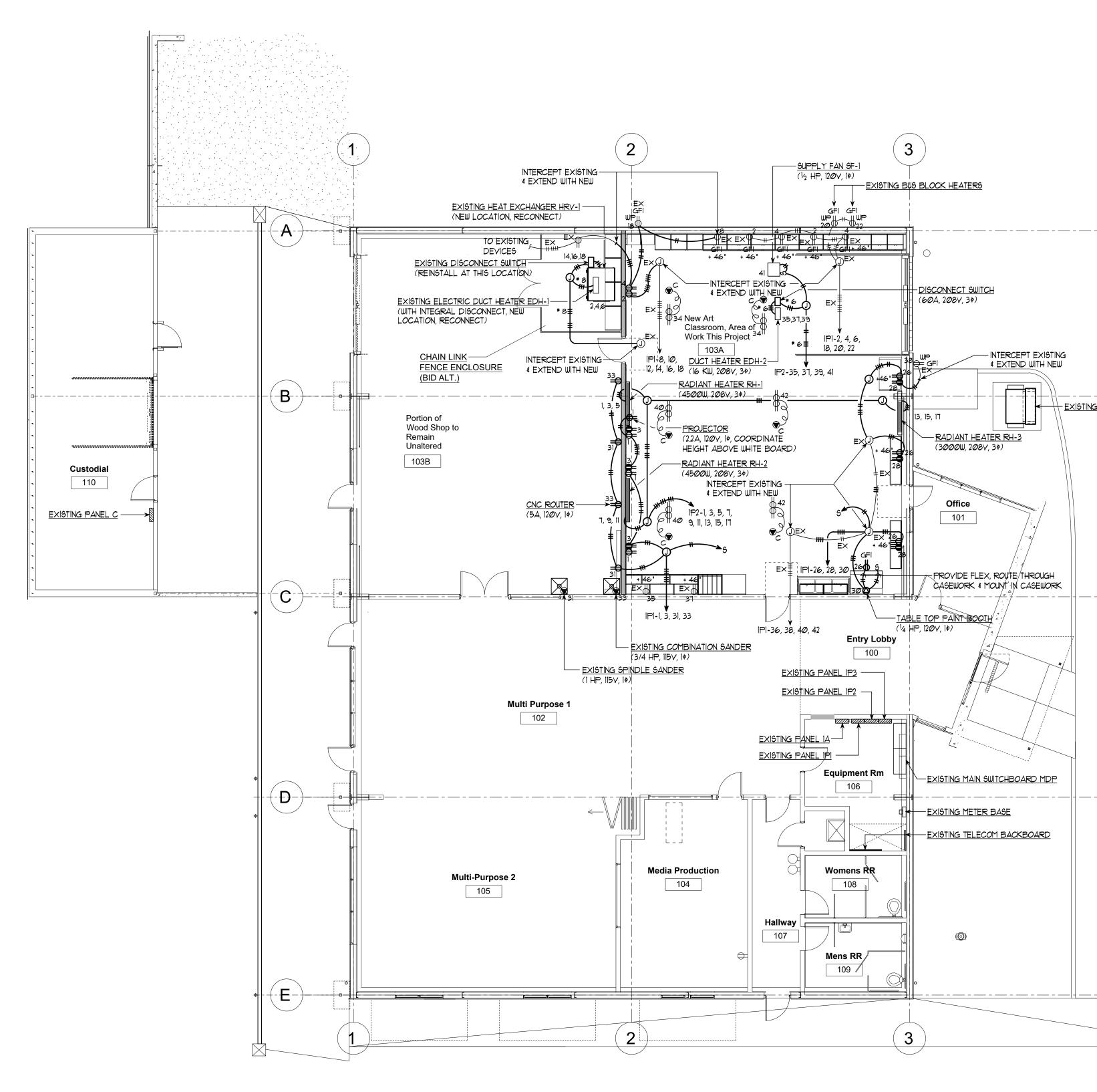






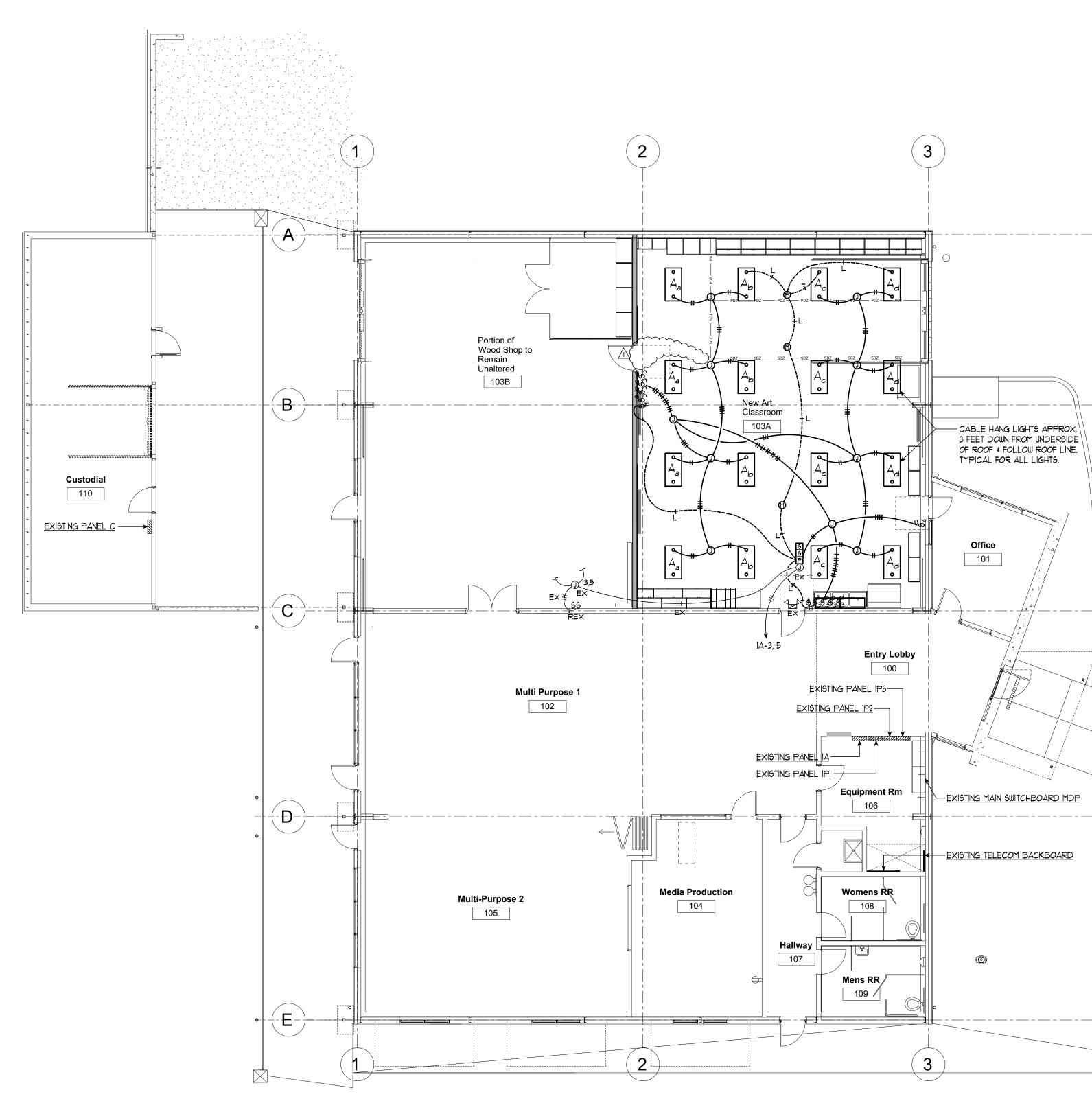






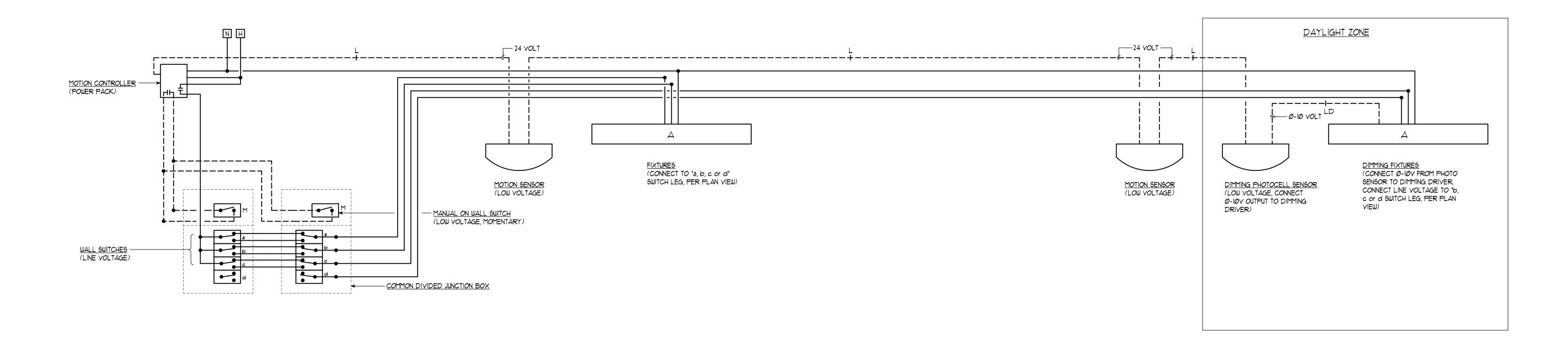
ELECTRICAL - POWER PLAN

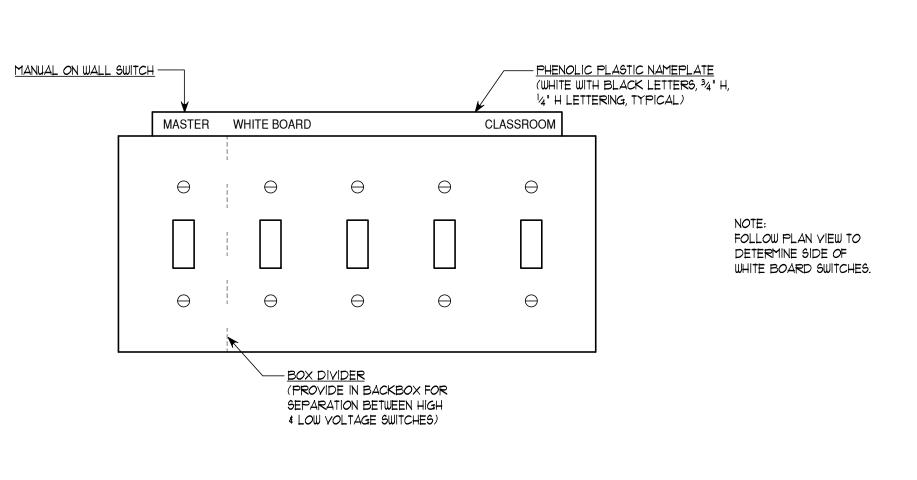
	MOUNT VERNON P: (360) 336-2155 204 West Montgomery Street Mount Vernon, WA 98273 www.hkpa.com
A	K Engineers Inc. 208 Third Street Lynden, WA. 98264 Bus. (360) 354-4757 FAX (360) 354-6794
IG OPALCO PADMOUNT TRANSFORMER	
C	Owner: Owner: SAN JUAN ISLAND SCHOOL DISTRICT PO BOX 458 FRIDAY HARBOR, WA 98250
<b>D</b>	Project Title: FHHS STEM BUILDING ART CLASSROOM T.I. 555 GUARD STREET FRIDAY HARBOR, WA 98250
	Δ L O ທ L Sheet Contents: ELECTRICAL - POWER PLAN
	Revisions: Rev. Date
	Drawn By: KL Checked: STV Date: 01/25/2023 Job No.: 2108.10 Sheet No.: E2.1





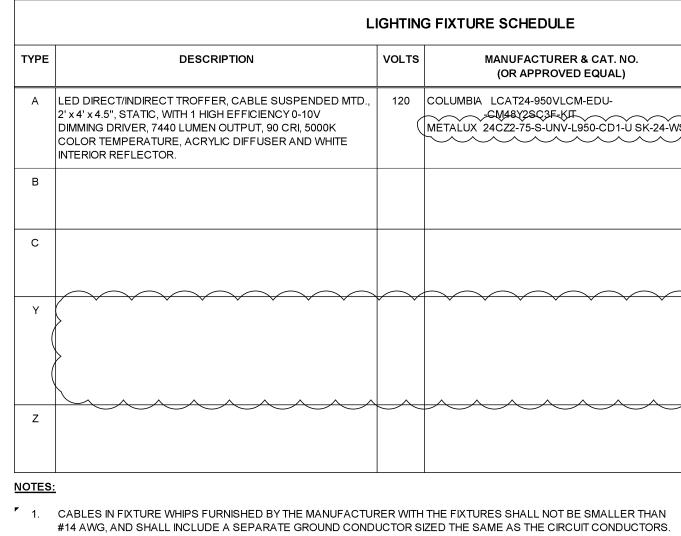
architects MOUNT VERNON P: **(360) 336-2155** 204 West Montgomery Street Mount Vernon, WA 98273 **www.hkpa.com** ( **A** K ENGINEERS INC. 208 Third Street Lynden, WA. 98264 Bus. (360) 354–4757 FAX (360) 354–6794 (B . \_\_\_\_ - . 2 0 SLAND SCHOOL HARB( C AY FRID, AN S 50 Owne SAN DISTI PO B WA 9 250 ART 98 Project Title: FHHS STEM BUILDING A CLASSROOM T.I. 555 GUARD STREET FRIDAY HARBOR, WA 98 **E**) Sheet Contents: ELECTRICAL -LIGHTING PLAN Revisions: Rev. Date 1/25/2023 I REMOVE EXIT SIGN Drawn By: KL Checked: STV Date: 01/25/2023 Job No.: 2108.10 Sheet No.: E3.1<sub>R</sub>





ELECTRICAL - TYPICAL CLASSROOM SWITCH PLATE SCALE: NTS

## ELECTRICAL - TYPICAL CLASSROOM WIRING DIAGRAM SCALE: None

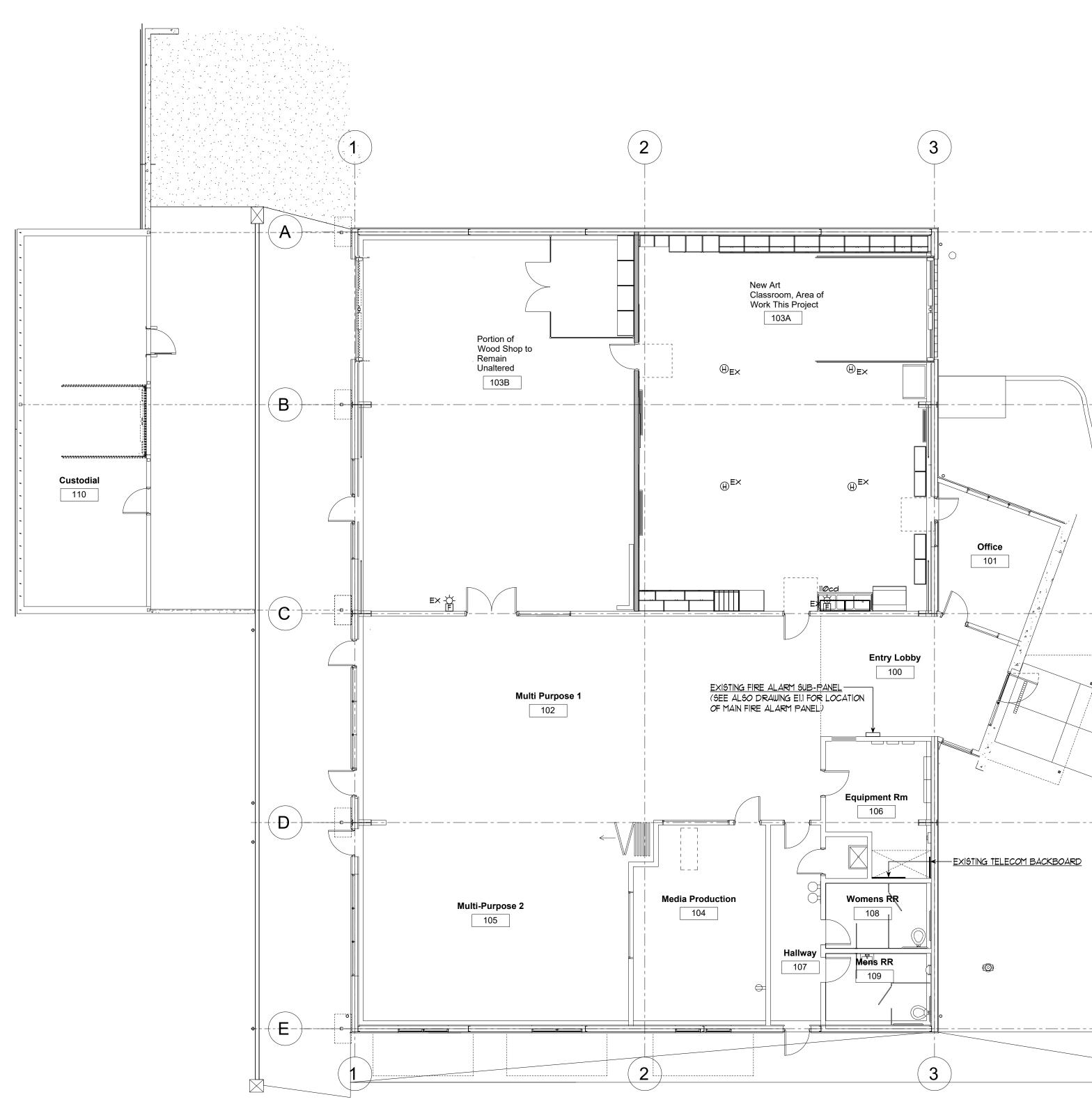


- ETC. MATCH. ADVISE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

VOLTS	MANUFACTURER & CAT. NO.	LAMP(S)	LOA	DS
	(OR APPROVED EQUAL)		WATTS	VA
	COLUMBIA LCAT24-950VLCM-EDU- -CM48Y2SC3F-KIT METALUX 24CZ2-75-S-UNV-L950-CD1-U SK-24-WS	LED 5000K (INTEGRAL)	53	56
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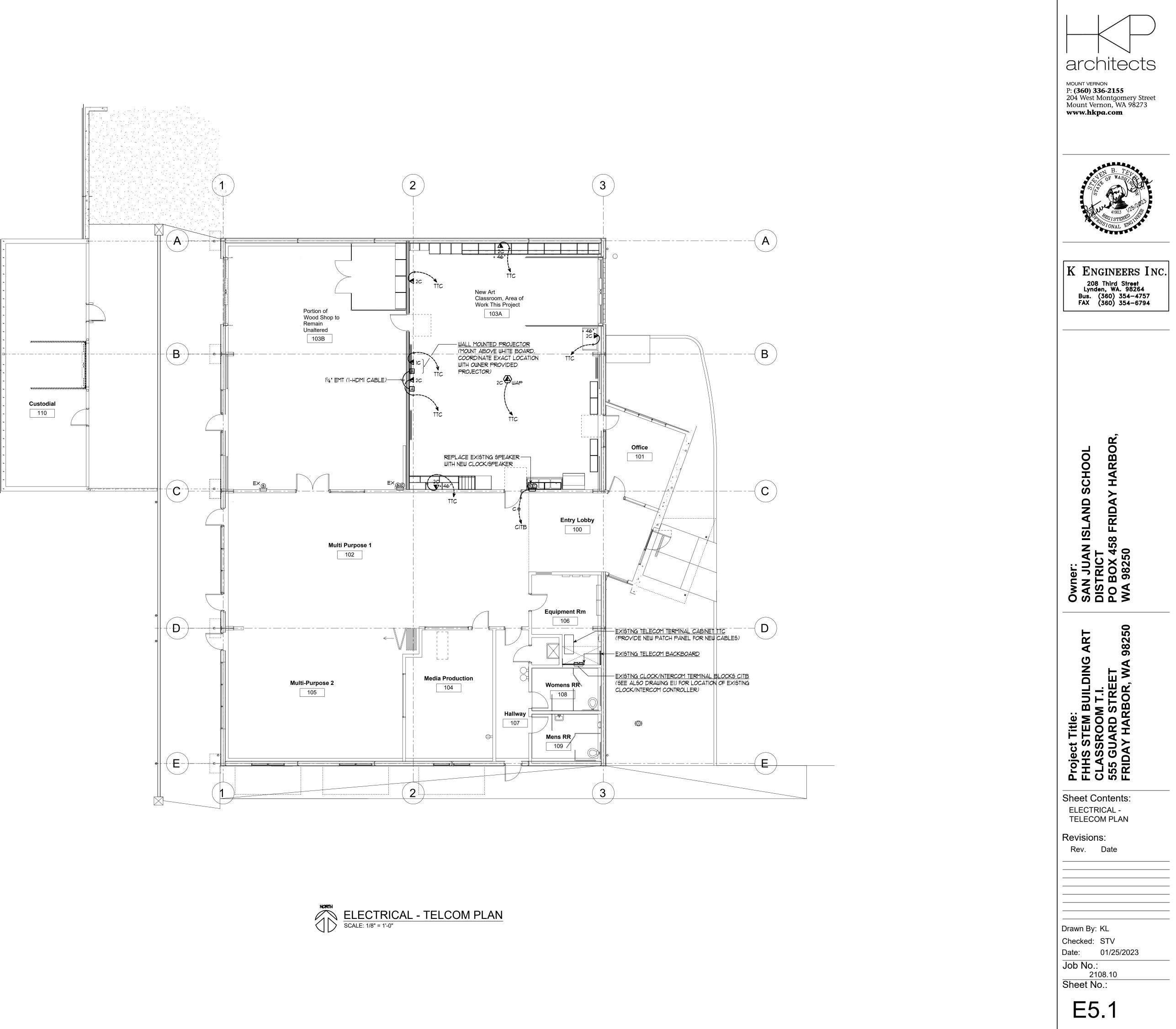
2. CONTRACTOR & LIGHTING FIXTURE SUPPLIER SHALL VERIFY DESCRIPTION, MOUNTING REQUIREMENTS, CATALOG NUMBERS,

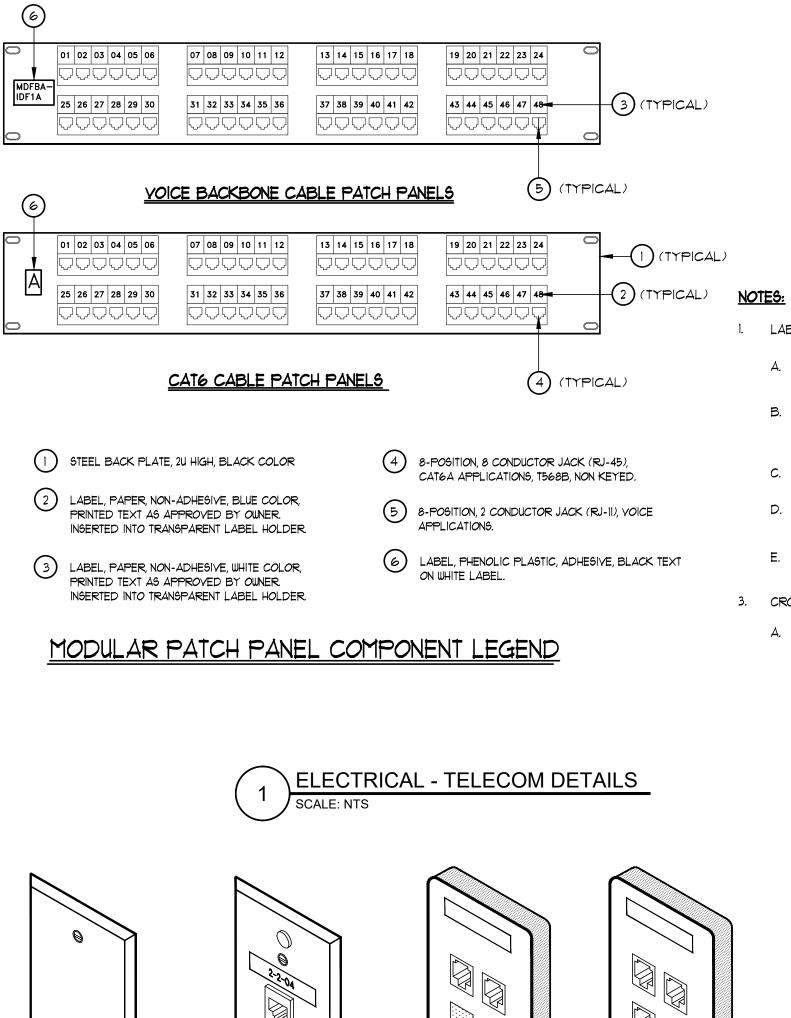
3. ALL LED 0-10V DIMMING DRIVERS SHALL BE COMPATIBLE WITH MOTION CONTROLLERS, PHOTO-CONTROLLERS, DIMMER SWITCHES, ETC.

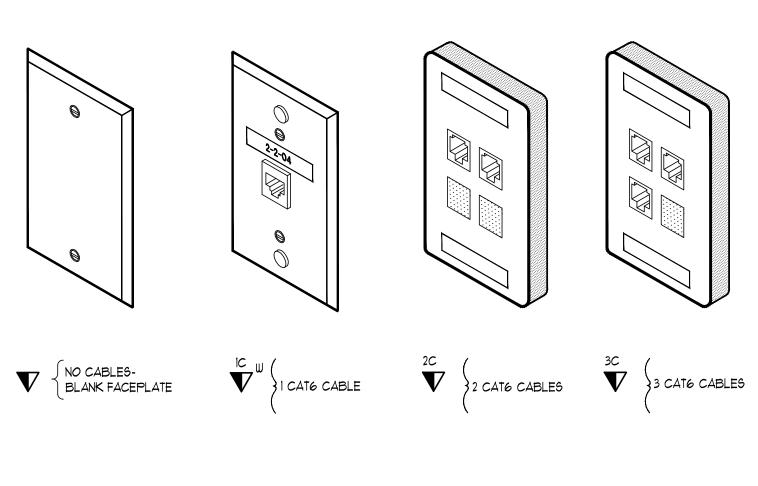


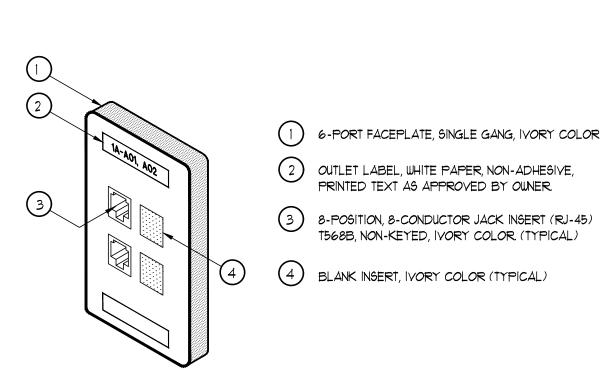


architects MOUNT VERNON P: **(360) 336-2155** 204 West Montgomery Street Mount Vernon, WA 98273 **www.hkpa.com** - $(\mathbf{A})$ K ENGINEERS INC. 208 Third Street Lynden, WA. 98264 Bus. (360) 354–4757 FAX (360) 354–6794 (B) Ω HARBO SLAND SCHOOL -( C ` FRIDAY \_\_\_\_ AN E ίΩ. 50 C 982 آ م آ Owne SAN , DISTF PO B( WA 9 -( D ) 250 ART 98 Project Title: FHHS STEM BUILDING A CLASSROOM T.I. 555 GUARD STREET FRIDAY HARBOR, WA 98 \_**E** \_ Sheet Contents: ELECTRICAL -ANCILLARIES PLAN Revisions: Rev. Date Drawn By: KL Checked: STV Date: 01/25/2023 Job No.: 2108.10 Sheet No.: E4.1

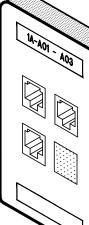








NO SCALE



# COMMUNICATIONS OUTLET COMPONENT LEGEND

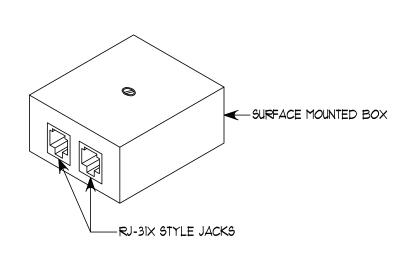
**ELECTRICAL** - TELECOM DETAILS 2 SCALE: NTS

LABELING OF TERMINATION HARDWARE

- A. TERMINATION OF HORIZONTAL F/UTP CABLE IN THE TELECOMM. ROOM SHALL BE ON 110 TO MODULAR PATCH PANELS, 48 PORT CAPACITY.
- B. ALL HORIZONTAL F/UTP CABLES SHALL BE LABELED WITH CABLE ID NUMBERS ON A BLUE LABEL INSERT INSERTED IN A TRANSPARENT LABEL COVER AT THE PATCH PANEL MODULAR JACK
- C. LABELS FOR TERMINATION HARDWARE SHALL BE TYPE-WRITTEN.
- D. ALL HORIZONTAL 4 PAIR CABLES SHALL BE LABELED IN ACCORDANCE WITH THE TIA/EIA-606-A LABELING STANDARD. SEE DETAIL, THIS DRAWING.
- E. ALL JACKS SHALL BE LABELED AT THE OUTLET FACEPLATE AND THE PATCH PANEL.

### 3. CROSS CONNECT WIRE & WIRE TROUGHS

A. CABLE MANAGEMENT SECTIONS SHALL BE LOCATED HORIZONTALLY BETWEEN PATCH PANELS. CABLE MANAGEMENT SECTIONS SHALL BE 2U HIGH.



 $\mathbf{\nabla}^{2C} \left\{ \begin{array}{l} 2 \text{ CAT6 CABLE6} \\ \text{(FOR USE AT FIRE ALARM} \\ \text{AND SECURITY PANEL6} \end{array} \right.$ 

FORMAT:

### NOTES:

TYPICAL COMMUNICATIONS OUTLET FACEPLATE CONFIGURATIONS

- I. TERMINATE ALL CONDUCTORS OF ALL CABLES ON RECEPTACLES (JACK INSERTS).
- 2. CABLES FROM EACH RECEPTACLE (JACK INSERT) IN EACH OUTLET SHALL BE HOMERUN TO THE TELECOM ROOM ON THE SAME FLOOR, WITHOUT SPLICES OR TAPS. CABLE LENGTH SHALL NOT EXCEED 300'. RE-ROUTE \$/OR PROVIDE ADDITIONAL RACEWAYS AS REQUIRE IF 300' LIMITATION IS EXCEEDED.
- 3. OTHER OUTLET FACEPLATE CONFIGURATIONS SHALL BE SIMILAR WITH SIMILAR CABLING REQUIREMENTS.

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X --- FLOOR NUMBER WHERE TELECOM ROOM 13 LOCATED. (EXAMPLE: B = BASEMENT, I = FIRST FLOOR, 2 = SECOND FLOOR, ETC.) Y --- ALPHABETICAL DESIGNATION OF TELECOM ROOM. (EXAMPLE: A, B, C, ...ETC.) ALPHABETICAL DESIGNATION OF PATCH PANEL. A ---

XY - AØI

- NUMERICAL DESIGNATION OF PATCH PANEL PORT. Ø1 ---
  - (EXAMPLE: 1A-A41 = CABLE TERMINATED ON PATCH PANEL A, PORT 41, IN IDF 1A ON THE BUILDING'S FIRST FLOOR.)

## COMMUNICATIONS OUTLET LABELING CONVENTION

Owner: SAN JUAN ISLAND SCHOOL BISTRICT PO BOX 458 FRIDAY HARBOR, WA 98250
Project Title: FHHS STEM BUILDING ART CLASSROOM T.I. 555 GUARD STREET FRIDAY HARBOR, WA 98250 Sheet Contents: FTECTRICAT FELECOM DETAILS Sheet Street FELECTRICAT FELECOM DETAILS
Rev. Date
Drawn By: KL Checked: STV Date: 01/25/2023 Job No.: 2108.10 Sheet No.:

architects

204 West Montgomery Street

K ENGINEERS INC.

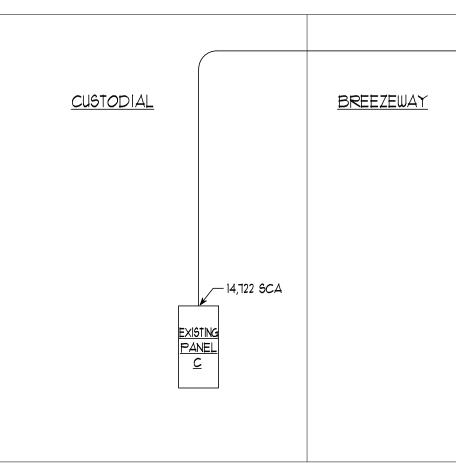
208 Third Street Lynden, WA. 98264 Bus. (360) 354–4757 FAX (360) 354–6794

Mount Vernon, WA 98273

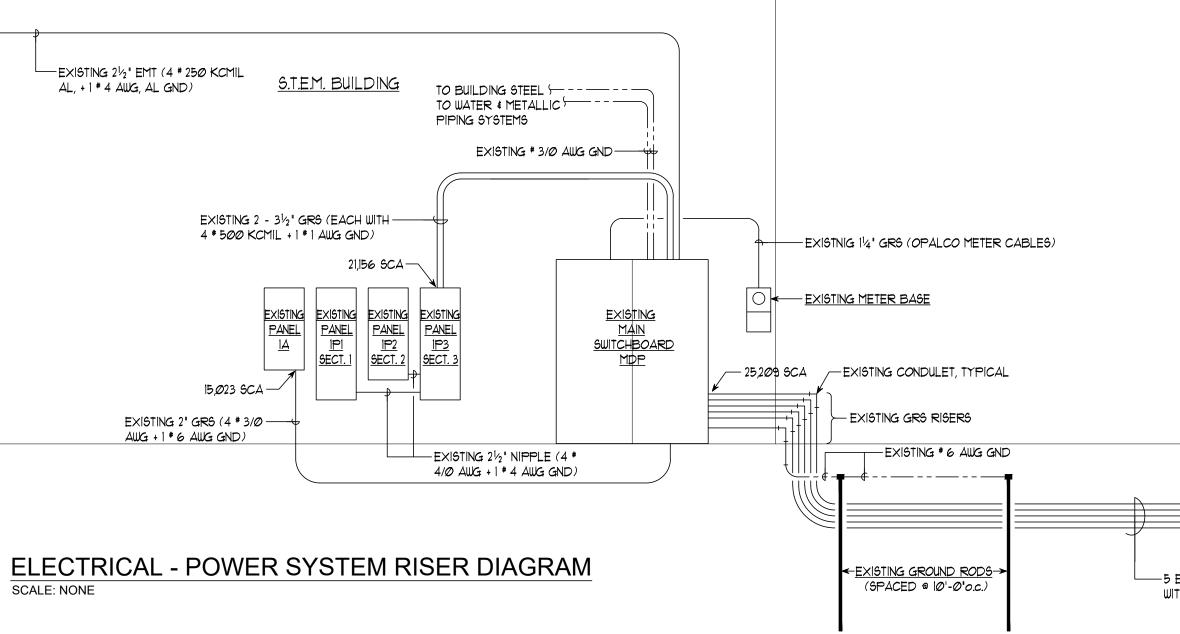
MOUNT VERNON P: (360) 336-2155

www.hkpa.com





EXISTI	NG MAIN SWITCHBO											ELECT	RICAL	ROOM
VOLTAGE: TYPE:	208Y/120V, 3 PH, 4 W SWITCHBOARD	FEEDER/BRANCH C						LLOAD		CO EXIST.	NN. LOAD ( NEW		DEMAND	DEMAND
	ITE - FC-1 RE: NEMA 1	FULL AIC RATING	<b>)</b> :	65,	000 A NONE	Lighting Gen. Purp			10 K\/A\	5596.0 10000.0	864.0 0.0	6460.0 10000.0	1.25 1.00	8075.0 10000.0
MOUNTING						Gen. Purp	ose Ou	tlets (Rem		440.0	2160.0	2600.0	0.50	1300.0
BUSSING:	MANUFACTURER'S STANDARD	SPECIAL PROVISION	NS:			Special P Mechanica				7140.0 77276.3	720.0 29794.0	7860.0 107070.3	1.00 1.00	7860.0 107070.3
	CONTINUOUS RATING: 1200 A FULL AIC RATING: 65,000 A	MASTER NAMEPI	LATE			Kitchen Eo Shop Equ			ances	0.0 23325.5	0.0 0.0	0.0 23325.5	0.65	0.0 23325.5
	SERIES AIC RATING: NONE	GROUND BAR				Welders - Welder - 3	2 Large	est		0.0	0.0 0.0	0.0 0.0	1.00 0.85	0.0 0.0
MAIN:	LUGS ONLY	SUITABLE FOR U			E	Welder - 4	th Larg	est		0.0	0.0	0.0	0.70	0.0
	LOCATION: BOTTOM	ENTRANCE EQU	UPMEN	11		Welders - Miscellane		nder		17865.1 300.0	0.0 864.0	17865.1 1164.0	0.60 1.00	10719.0 1164.0
						25% Larg	est Mot	or						954.7
						TOTAL LO				141942.8 394.0	34402.0 95.5	176344.8 489.5		170468.5 473.2
					MAIN	SECTIONS		<u>)</u>				400.0		470.2
			(PEF	R PUGE		COMPART ND ENERG		UREMEN	ITS)					
				DIS	TRIBU									
						BUS (PHASE)		AMP/P		ER/BRANCH C	١		NOTE	CONN. LOAD (VA)
						A B	1	600/3 (600A	PANEL 1P3,	SECTION 3 -	ELECTRICA	LROOM		53903.6 46769.6
						C A	2	FUSES)						42692.6 7997.0
						В		(200A						7731.0
						A C	3		SPARE					4443.0 0.0
						B C		(400A (FUSES)						0.0
						A B	4	200/3 (200A	PANEL 1A -	ELECTRICAL	ROOM			3662.0 5442.0
						С		FUSES)	00405					3704.0
						A B	5	(SPACE	SPACE					0.0 0.0
						A C	6	100/3	SPACE					0.0
						B C		(SPACE						0.0 0.0
			<u>,</u>											
VOLTAGE:	NG PANEL 1P3, SECT 208Y/120V, 3 PH, 4 W	FEEDER/BRANCH C			ES:			LOAD			NN. LOAD (	VA)	DEMAND	
TYPE:	PANELBOARD ITE - CDP	BOLT-ON CIRCUIT			000 A	CA Lighting	LCULA	TION		EXIST. 672.0	NEW 0.0	TOTAL 672.0	FACTOR 1.25	LOAD (VA) 840.0
ENCLOSUF MOUNTING	RE: NEMA 1 : SURFACE	SERIES AIC RATI	NG:		NONE	Gen. Purp Gen. Purp				3060.0 0.0	2160.0 0.0	5220.0 0.0	1.00 0.50	5220.0 0.0
	MANUFACTURER'S STANDARD					Special P Mechanica	urpose	Outlets		5700.0 76770.3	720.0 29794.0	6420.0 106564.3	1.00	6420.0 106564.3
BOSSING:	CONTINUOUS RATING: 600 A					Kitchen E	quipme	nt & Appli	ances	0.0	0.0	0.0	1.00	0.0
	FULL AIC RATING: 35,000 A SERIES AIC RATING: NONE	MASTER NAMEPI	LATE			Shop Equ Welders -				23325.5 0.0	0.0 0.0	23325.5 0.0	1.00 1.00	23325.5 0.0
MAIN:	LUGS ONLY	GROUND BAR				Welder - 3 Welder - 4	Brd Larg	jest		0.0	0.0 0.0	0.0 0.0	0.85	0.0
	LOCATION: TOP				ER	Welders -	Remai			0.0	0.0	0.0	0.60	0.0
		NUMBER LABEI SCHEDULE	L5 & P <i>F</i>	ANEL		Miscellane 25% Large		or		300.0	864.0	1164.0	1.00	1164.0 954.7
						TOTAL LC	DAD			109827.7	33538.0	143365.7		144488.4
						TOTAL AN	MPS			304.9	93.1	397.9		401.1
CONN. LOAD (VA)	FEEDER/BRANCH CIRCUIT DESCRIPTION	-	NOTE	BKR AMP/P	CKT NO	BUS (PHASE)	CKT NO	BKR AMP/P		ER/BRANCH C DESCRIPTION			NOTE	CONN. LOAD (VA)
						MAIN LUG	s							
	[				1	A	2	225/3	PANEL 1P1,	SECTION 1 -				8584.7
						B C								10046.1 7101.1
	UNUSUABLE SPACE													22786.8
	UNUSUABLE SPACE				3	АВ	<b>4</b>	225/3	PANEL 1P2,	SECTION 2 -	ELECTRICA			23205.8
	UNUSUABLE SPACE					В	4			SECTION 2 -	ELECTRICA			23205.8 22073.8
	UNUSUABLE SPACE				3	B C A B	4       6 		PANEL 1P2, SPARE	SECTION 2 -				22073.8 0.0 0.0
	UNUSUABLE SPACE AIR HANDLER UNIT AHU-1			80/2	5     7	B C A	8							22073.8 0.0 0.0 0.0 3536.0
5478.4	AIR HANDLER UNIT AHU-1			80/2  80/2	5   	В С А В С		         	SPARE	9 HP-1				22073.8 0.0 0.0 0.0
5478.4 5478.4 5478.4	AIR HANDLER UNIT AHU-1 AIR HANDLER UNIT AHU-2			80/2	 5   7 9 11 13	B A C A C A C	8 10 12 14	 225/3   60/2   60/2	SPARE HEAT PUMF HEAT PUMF	9 HP-1				22073.8 0.0 0.0 3536.0 3536.0 3536.0 3536.0 3536.0
5478.4 5478.4 5478.4 0.0 0.0	AIR HANDLER UNIT AHU-1 AIR HANDLER UNIT AHU-2 SPARE			80/2   50/2	 5   1 1 1 3 15 17	A A C A C A C A C C	 	 225/3   60/2   60/2   40/2	SPARE HEAT PUMF HEAT PUMF SPARE	9 HP-1 9 HP-2				22073.8 0.0 0.0 3536.0 3536.0 3536.0 3536.0 0.0 0.0
5478.4 5478.4 0.0 0.0 0.0 0.0 0.0	AIR HANDLER UNIT AHU-1 AIR HANDLER UNIT AHU-2			80/2	 5   7 9 11 13 15 17 19 21	A A C A C A C A C A C A B C A B C	 	 225/3   60/2   60/2	SPARE HEAT PUMF HEAT PUMF	9 HP-1 9 HP-2				22073.8 0.0 0.0 3536.0 3536.0 3536.0 3536.0 0.0 0.0 4503.3 4503.3
5478.4 5478.4 5478.4 0.0 0.0 0.0	AIR HANDLER UNIT AHU-1 AIR HANDLER UNIT AHU-2 SPARE			80/2   50/2	 5   7 9 11 13 15 17 19 21 23	A A C A C A C A C A C	     10 12 14 16 18 20	 225/3   60/2   60/2   40/2   50/3 	SPARE HEAT PUMF HEAT PUMF SPARE	9 HP-1 9 HP-2				22073.8 0.0 0.0 3536.0 3536.0 3536.0 3536.0 0.0 0.0 4503.3
5478.4 5478.4 0.0 0.0 0.0 0.0 0.0	AIR HANDLER UNIT AHU-1 AIR HANDLER UNIT AHU-2 SPARE			80/2   50/2	 5   7 9 11 13 15 17 19 21	A A C A C A C A C A C C C	 	 225/3   60/2   60/2   40/2   50/3 	SPARE HEAT PUMF HEAT PUMF SPARE HOT WATEF	9 HP-1 9 HP-2				220 35 35 35 45 45



	NG PANEL 1P1, SECT	<u> </u>		/									TRICAL	
VOLTAGE:	208Y/120V, 3 PH, 4 W	FEEDER/BRANCH CI			S:		TRICAL				NN. LOAD (		DEMAND	DEMAND
TYPE:	PANELBOARD	BOLT-ON CIRCUIT					LCULA <sup>-</sup>	TION		EXIST.	NEW	TOTAL	FACTOR	· · · ·
	ITE - CDP	FULL AIC RATING:		,	000 A	Lighting				0.0	0.0	0.0	1.25	0.0
ENCLOSUR		SERIES AIC RATIN	IG:	1	NONE	Gen. Purp	ose Out	lets (First	10 KVA)	3060.0	2160.0	5220.0	1.00	5220.0
MOUNTING:	SURFACE					Gen. Purp			ainder)	0.0	0.0	0.0	0.50	0.0
		SPECIAL PROVISION	S:			Special P				5700.0	720.0	6420.0	1.00	6420.0
	MANUFACTURER'S STANDARD					Mechanica				0.0	667.0	667.0	1.00	667.0
	CONTINUOUS RATING: 225 A	MASTER NAMEPL	ATE			Kitchen E		nt & Applia	ances	0.0	0.0	0.0	1.00	0.0
	FULL AIC RATING: 35,000 A					Shop Equ				12260.8	0.0	12260.8	1.00	12260.8
:	SERIES AIC RATING: NONE	GROUND BAR				Welders -				0.0	0.0	0.0	1.00	0.0
						Welder - 3				0.0	0.0	0.0	0.85	0.0
	LUGS ONLY	PROVIDE HANDLE			JLTŀ	Welder - 4				0.0	0.0	0.0	0.70	0.0
	LOCATION: TOP	WIRE BRANCH C	RCU	ITS.		Welders -		nder		0.0	0.0	0.0	0.60	0.0
						Miscellane				300.0	864.0	1164.0	1.00	1164.0
						25% Large	est Moto	or						675.5
														004070
						TOTAL LC				21320.8	4411.0	25731.8		26407.3
						TOTAL AN	VIP5			59.2	12.2	71.4		73.3
				DICD	OVT			DKD						
CONN.	FEEDER/BRANCH CIRCUIT		NOTE	BKR	CKT NO	BUS (PHASE)	CKT NO	BKR AMP/P	FEEL	DER/BRANCH C			NOTE	CONN.
LOAD (VA)	DESCRIPTION			AMP/P	NO		INO			DESCRIPTION	N			LOAD (VA
804.0		2001/1024	(4)	20/1				20/1			2.4			260 (
	OUTLETS & PROJECTOR - ART F	ROOM 103A	(4)	20/1	1	A	2			- ART ROOM 10				
540.0	OUTLETS - ART ROOM 103A	ROOM 103A	(4) (4)	20/1	1 3	A B	2	20/1	OUTLETS	- ART ROOM 10 - ART ROOM 10				360.0
540.0 0.0	OUTLETS - ART ROOM 103A SPARE	ROOM 103A	~ /	20/1 30/1	1 3 5	A B C	2 4 6	20/1 20/1	OUTLETS - SPARE	- ART ROOM 10	3A		(2)	360.0 0.0
540.0 0.0 300.0	OUTLETS - ART ROOM 103A SPARE FIRE ALARM	ROOM 103A	~ /	20/1 30/1 20/1	1 3 5 7	A B C A	2 4 6 8	20/1 20/1 20/1	OUTLETS SPARE OUTLETS		3A			360.0 0.0 180.0
540.0 0.0 300.0 478.4	OUTLETS - ART ROOM 103A SPARE	ROOM 103A	~ /	20/1 30/1	1 3 5 7 9	A B C A B	2 4 6 8 10	20/1 20/1 20/1 20/1	OUTLETS SPARE OUTLETS SPARE	- ART ROOM 10 - ART ROOM 10	3A 3A		(2)	360.0 0.0 180.0 0.0
540.0 0.0 300.0 478.4 478.4	OUTLETS - ART ROOM 103A SPARE FIRE ALARM DUST COLLECTION UNIT		~ /	20/1 30/1 20/1 20/2	1 3 5 7 9 11	A B C A B C	2 4 6 8 10 12	20/1 20/1 20/1 20/1 20/1	OUTLETS SPARE OUTLETS SPARE OUTLETS	- ART ROOM 10 - ART ROOM 10 - WORK SHOP,	3A 3A NORTH WAI			360.0 0.0 180.0 0.0 360.0
540.0 0.0 300.0 478.4 478.4 180.0	OUTLETS - ART ROOM 103A SPARE FIRE ALARM DUST COLLECTION UNIT OUTLETS - WORK ROOM, WEST	WALL	~ /	20/1 30/1 20/1 20/2   20/1	1 3 5 7 9 11 13	A B C A B C	2 4 6 8 10 12 14	20/1 20/1 20/1 20/1 20/1 20/1	OUTLETS SPARE OUTLETS SPARE OUTLETS OUTLETS	- ART ROOM 10 - ART ROOM 10 - WORK SHOP, - NORTH EXT. B	3A 3A NORTH WAI BUS HEATEF	२		360.0 0.0 180.0 0.0 360.0 1200.0
540.0 0.0 300.0 478.4 478.4 180.0 360.0	OUTLETS - ART ROOM 103A SPARE FIRE ALARM DUST COLLECTION UNIT OUTLETS - WORK ROOM, WEST OUTLETS - WORK ROOM, WEST	WALL	~ /	20/1 30/1 20/1 20/2   20/1 20/1	1 3 5 7 9 11 13 15	A B C A B C A B	2 4 6 8 10 12 14 16	20/1 20/1 20/1 20/1 20/1 20/1 20/1	OUTLETS SPARE OUTLETS SPARE OUTLETS OUTLETS OUTLETS	- ART ROOM 10 - ART ROOM 10 - WORK SHOP, - NORTH EXT. B - NORTH EXT. B	3A 3A NORTH WAI BUS HEATEF	२		360.0 0.0 180.0 0.0 360.0 1200.0 1200.0
540.0 0.0 300.0 478.4 478.4 180.0 360.0 0.0	OUTLETS - ART ROOM 103A SPARE FIRE ALARM DUST COLLECTION UNIT OUTLETS - WORK ROOM, WEST OUTLETS - WORK ROOM, WEST SPARE	WALL WALL & EXT.	~ /	20/1 30/1 20/1 20/2   20/1 20/1 20/1	1 3 5 7 9 11 13 15 17	A B C A C A C C	2 4 6 8 10 12 14 16 18	20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1	OUTLETS SPARE OUTLETS SPARE OUTLETS OUTLETS OUTLETS OUTLETS	- ART ROOM 10 - ART ROOM 10 - WORK SHOP, - NORTH EXT. B - NORTH EXT. B - NORTH EXT.	3A 3A NORTH WA 8US HEATEF 8US HEATEF	२ २		360.0 0.0 180.0 360.0 1200.0 1200.0 180.0
540.0 0.0 300.0 478.4 478.4 180.0 360.0 0.0 180.0	OUTLETS - ART ROOM 103A SPARE FIRE ALARM DUST COLLECTION UNIT OUTLETS - WORK ROOM, WEST OUTLETS - WORK ROOM, WEST SPARE OUTLETS - WORK ROOM, WEST	WALL WALL & EXT.	~ /	20/1 30/1 20/1 20/2   20/1 20/1 20/1 20/1	1 3 5 7 9 11 13 15 17 19	A B C A C A C A C	2 4 6 8 10 12 14 16 18 20	20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1	OUTLETS SPARE OUTLETS SPARE OUTLETS OUTLETS OUTLETS OUTLETS	- ART ROOM 10 - ART ROOM 10 - WORK SHOP, - NORTH EXT. B - NORTH EXT. B - NORTH EXT. - NORTH EXT. B	3A 3A NORTH WAI BUS HEATEF BUS HEATEF BUS HEATEF	२ २ २		360.0 0.0 180.0 360.0 1200.0 1200.0 180.0 1200.0
540.0 0.0 300.0 478.4 478.4 180.0 360.0 0.0 180.0 1127.0	OUTLETS - ART ROOM 103A SPARE FIRE ALARM DUST COLLECTION UNIT OUTLETS - WORK ROOM, WEST OUTLETS - WORK ROOM, WEST SPARE OUTLETS - WORK ROOM, WEST WOOD LATHE	WALL WALL & EXT.	~ /	20/1 30/1 20/2   20/1 20/1 20/1 20/1 20/1 20/1	1 3 5 7 9 11 13 15 17 19 21	A B C A C A C A B C A B	2 4 6 8 10 12 14 16 18 20 22	20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1	OUTLETS SPARE OUTLETS SPARE OUTLETS OUTLETS OUTLETS OUTLETS OUTLETS OUTLETS	- ART ROOM 10 - ART ROOM 10 - WORK SHOP, - NORTH EXT. B - NORTH EXT. B - NORTH EXT.	3A 3A NORTH WAI BUS HEATEF BUS HEATEF BUS HEATEF	२ २ २		360.0 0.0 180.0 0.0 360.0 1200.0 1200.0 180.0 1200.0 1200.0
540.0 0.0 300.0 478.4 478.4 180.0 360.0 0.0 180.0 1127.0 828.0	OUTLETS - ART ROOM 103A SPARE FIRE ALARM DUST COLLECTION UNIT OUTLETS - WORK ROOM, WEST OUTLETS - WORK ROOM, WEST SPARE OUTLETS - WORK ROOM, WEST WOOD LATHE DRILL PRESS	WALL WALL & EXT.	~ /	20/1 30/1 20/2   20/1 20/1 20/1 20/1 20/1 20/1 20/1	1 3 5 7 9 11 13 15 17 19 21 23	A B C A C A C A C C C	2 4 6 8 10 12 14 16 18 20 22 24	20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1	OUTLETS SPARE OUTLETS SPARE OUTLETS OUTLETS OUTLETS OUTLETS OUTLETS SPARE	- ART ROOM 10 - ART ROOM 10 - WORK SHOP, - NORTH EXT. B - NORTH EXT. B - NORTH EXT. B - NORTH EXT. B	3A 3A NORTH WA BUS HEATEF BUS HEATEF BUS HEATEF BUS HEATEF	२ २ २	(2)	360.0 0.0 180.0 360.0 1200.0 1200.0 180.0 1200.0 1200.0 0.0
540.0 0.0 300.0 478.4 478.4 180.0 360.0 360.0 180.0 1127.0 828.0 1840.0	OUTLETS - ART ROOM 103A SPARE FIRE ALARM DUST COLLECTION UNIT OUTLETS - WORK ROOM, WEST OUTLETS - WORK ROOM, WEST SPARE OUTLETS - WORK ROOM, WEST WOOD LATHE DRILL PRESS BAND SAW	WALL WALL & EXT.	~ /	20/1 30/1 20/2 20/1 20/1 20/1 20/1 20/1 20/1 2	1 3 5 7 9 11 13 15 17 19 21 23 25	A B C A C A C A C A C	2 4 6 8 10 12 14 16 18 20 22 24 24	20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1	OUTLETS SPARE OUTLETS SPARE OUTLETS OUTLETS OUTLETS OUTLETS OUTLETS SPARE OUTLETS	- ART ROOM 10 - ART ROOM 10 - WORK SHOP, - NORTH EXT. B - NORTH EXT. B	3A 3A NORTH WAI BUS HEATEF BUS HEATEF BUS HEATEF BUS HEATEF 3A	२ २ २	(2)	360.0 0.0 180.0 360.0 1200.0 1200.0 180.0 1200.0 1200.0 0.0 720.0
540.0 0.0 300.0 478.4 478.4 180.0 360.0 360.0 180.0 1127.0 828.0 1840.0 1840.0	OUTLETS - ART ROOM 103A SPARE FIRE ALARM DUST COLLECTION UNIT OUTLETS - WORK ROOM, WEST OUTLETS - WORK ROOM, WEST SPARE OUTLETS - WORK ROOM, WEST WOOD LATHE DRILL PRESS BAND SAW CHOP SAW	WALL WALL & EXT.	~ /	20/1 30/1 20/2 20/1 20/1 20/1 20/1 20/1 20/1 2	1 3 5 7 9 11 13 15 17 19 21 23 25 27	A B C A C A C A C A C A B C A B C	2 4 6 8 10 12 14 16 18 20 22 24 26 28	20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1	OUTLETS SPARE OUTLETS SPARE OUTLETS OUTLETS OUTLETS OUTLETS OUTLETS SPARE OUTLETS OUTLETS	- ART ROOM 10 - ART ROOM 10 - WORK SHOP, - NORTH EXT. B - ART ROOM 10 - ART ROOM 10	3A 3A NORTH WAI BUS HEATEF BUS HEATEF BUS HEATEF 3A 3A	२ २ २ २	(2) (3) (3)	360.0 0.0 180.0 360.0 1200.0 1200.0 180.0 1200.0 1200.0 720.0 540.0
540.0 0.0 300.0 478.4 478.4 180.0 360.0 180.0 1127.0 828.0 1840.0 1840.0 1127.0	OUTLETS - ART ROOM 103A SPARE FIRE ALARM DUST COLLECTION UNIT OUTLETS - WORK ROOM, WEST OUTLETS - WORK ROOM, WEST SPARE OUTLETS - WORK ROOM, WEST WOOD LATHE DRILL PRESS BAND SAW CHOP SAW JOINTER	WALL WALL & EXT.		20/1 30/1 20/2 20/1 20/1 20/1 20/1 20/1 20/1 2	1 3 5 7 9 11 13 15 17 19 21 23 25 27 29	A B C A C A C A C A C C A C C C	2 4 6 8 10 12 14 16 18 20 22 24 26 28 30	20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1	OUTLETS SPARE OUTLETS SPARE OUTLETS OUTLETS OUTLETS OUTLETS OUTLETS SPARE OUTLETS OUTLETS TABLE TO	- ART ROOM 10 - ART ROOM 10 - WORK SHOP, - NORTH EXT. B - ART ROOM 10 - ART ROOM 10 P PAINT BOOTH	3A 3A NORTH WAI BUS HEATEF BUS HEATEF BUS HEATEF 3A 3A 1 - ART ROO	R R R R M 103A	(2)	360.0 0.0 180.0 360.0 1200.0 1200.0 1200.0 1200.0 1200.0 720.0 540.0 667.0
540.0 0.0 300.0 478.4 478.4 180.0 360.0 180.0 1127.0 828.0 1840.0 1840.0 1127.0 360.0	OUTLETS - ART ROOM 103A SPARE FIRE ALARM DUST COLLECTION UNIT OUTLETS - WORK ROOM, WEST OUTLETS - WORK ROOM, WEST SPARE OUTLETS - WORK ROOM, WEST WOOD LATHE DRILL PRESS BAND SAW CHOP SAW JOINTER OUTLETS - WOOD SHOP	WALL WALL & EXT. WALL	(4)	20/1 30/1 20/2 20/1 20/1 20/1 20/1 20/1 20/1 2	1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31	A B C A B C A C A C A C A C	2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32	20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1	OUTLETS SPARE OUTLETS SPARE OUTLETS OUTLETS OUTLETS OUTLETS OUTLETS SPARE OUTLETS OUTLETS TABLE TO OUTLETS	- ART ROOM 10 - ART ROOM 10 - WORK SHOP, - NORTH EXT. B - ART ROOM 10 - ART ROOM 10 P PAINT BOOTH - CORD DROP,	3A NORTH WA BUS HEATEF BUS HEATEF BUS HEATEF BUS HEATEF 3A 3A 1 - ART ROO NORTHWES	R R R R M 103A	(2) (3) (3)	360.0 0.0 180.0 360.0 1200.0 1200.0 180.0 1200.0 1200.0 720.0 540.0 667.0 180.0
540.0 0.0 300.0 478.4 478.4 180.0 360.0 180.0 1127.0 828.0 1840.0 1840.0 1127.0 360.0 780.0	OUTLETS - ART ROOM 103A SPARE FIRE ALARM DUST COLLECTION UNIT OUTLETS - WORK ROOM, WEST OUTLETS - WORK ROOM, WEST SPARE OUTLETS - WORK ROOM, WEST WOOD LATHE DRILL PRESS BAND SAW CHOP SAW JOINTER OUTLETS - WOOD SHOP OUTLETS & CNC ROUTER - WOO	WALL WALL & EXT. WALL		20/1 30/1 20/2 20/1 20/1 20/1 20/1 20/1 20/1 2	1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33	A B C A B C A C A C A C A B C C A B C C A B C C A B C C A B C C A B C C A B C C A B C C A B C C A B C C A B C C A B C C A B C C A B C C A B C C A B C C A B C C C A B C C A B C C C A B C C C C	2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34	20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1	OUTLETS SPARE OUTLETS SPARE OUTLETS OUTLETS OUTLETS OUTLETS OUTLETS SPARE OUTLETS OUTLETS OUTLETS TABLE TO OUTLETS OUTLETS	- ART ROOM 10 - ART ROOM 10 - WORK SHOP, - NORTH EXT. B - ART ROOM 10 - ART ROOM 10 P PAINT BOOTH - CORD DROP, - CORD DROP,	3A NORTH WAI BUS HEATEF BUS HEATEF BUS HEATEF 3A 3A 1 - ART ROO NORTHWES ART ROOM	R R R R M 103A	(2) (3) (3)	360.0 0.0 180.0 0.0 360.0 1200.0 1200.0 1200.0 1200.0 0.0 720.0 540.0 667.0 180.0 360.0
540.0           0.0           300.0           478.4           478.4           180.0           360.0           0.0           360.0           180.0           180.0           180.0           180.0           180.0           1127.0           828.0           1840.0           1127.0           360.0           780.0           1840.0	OUTLETS - ART ROOM 103A SPARE FIRE ALARM DUST COLLECTION UNIT OUTLETS - WORK ROOM, WEST OUTLETS - WORK ROOM, WEST SPARE OUTLETS - WORK ROOM, WEST WOOD LATHE DRILL PRESS BAND SAW CHOP SAW JOINTER OUTLETS - WOOD SHOP OUTLETS - WOOD SHOP OUTLETS & CNC ROUTER - WOO METAL LATHE	WALL WALL & EXT. WALL	(4)	20/1 30/1 20/2 20/1 20/1 20/1 20/1 20/1 20/1 2	1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35	A B C A B C A C A C A C A C C C	2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36	20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1	OUTLETS SPARE OUTLETS SPARE OUTLETS OUTLETS OUTLETS OUTLETS OUTLETS SPARE OUTLETS OUTLETS TABLE TO OUTLETS OUTLETS OUTLETS OUTLETS	- ART ROOM 10 - ART ROOM 10 - WORK SHOP, - NORTH EXT. B - ART ROOM 10 - ART ROOM 10 P PAINT BOOTH - CORD DROP, - CORD DROP, - CORD DROP,	3A NORTH WA BUS HEATEF BUS HEATEF BUS HEATEF BUS HEATEF 3A 3A 1 - ART ROO NORTHWES ART ROOM ART ROOM	R R R R M 103A	(2) (3) (3)	360.0 360.0 0.0 180.0 360.0 1200.0 1200.0 1200.0 1200.0 720.0 540.0 667.0 180.0 360.0 360.0
540.0 0.0 300.0 478.4 478.4 180.0 360.0 180.0 1127.0 828.0 1840.0 1127.0 828.0 1840.0 1127.0 828.0 1840.0 1127.0 1840.0 1127.0 1840.0 1127.0 1840.0 1127.0 1840.0 1127.0 1840.0 184	OUTLETS - ART ROOM 103A SPARE FIRE ALARM DUST COLLECTION UNIT OUTLETS - WORK ROOM, WEST OUTLETS - WORK ROOM, WEST SPARE OUTLETS - WORK ROOM, WEST WOOD LATHE DRILL PRESS BAND SAW CHOP SAW JOINTER OUTLETS - WOOD SHOP OUTLETS & CNC ROUTER - WOO	WALL WALL & EXT. WALL	(4)	20/1 30/1 20/2 20/1 20/1 20/1 20/1 20/1 20/1 2	1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33	A B C A B C A C A C A C A B C C A B C C A B C C A B C C A B C C A B C C A B C C A B C C A B C C A B C C A B C C A B C C A B C C A B C C A B C C A B C C A B C C C A B C C A B C C C A B C C C C	2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34	20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1	OUTLETS SPARE OUTLETS SPARE OUTLETS OUTLETS OUTLETS OUTLETS OUTLETS SPARE OUTLETS OUTLETS OUTLETS OUTLETS OUTLETS OUTLETS OUTLETS OUTLETS	- ART ROOM 10 - ART ROOM 10 - WORK SHOP, - NORTH EXT. B - ART ROOM 10 - ART ROOM 10 P PAINT BOOTH - CORD DROP, - CORD DROP,	3A NORTH WA BUS HEATEF BUS HEATEF BUS HEATEF BUS HEATEF 3A 3A 1 - ART ROO NORTHWES ART ROOM ART ROOM OR	R R R R M 103A	(2) (3) (3)	360.0 0.0 180.0 0.0 360.0 1200.0 1200.0 1200.0 1200.0 0.0 720.0 540.0 667.0 180.0 360.0

<u>NOTES:</u> (1)

REMOVE EXISTING CIRCUIT AND PROVIDE NEW CIRCUIT ON EXISTING CIRCUIT BREAKER. REMOVE EXISTING CIRCUIT & MAKE CIRCUIT BREAKER SPARE (2)

PROVIDE NEW CIRCUIT ON EXISTING SPARE CIRCUIT BREAKER. (3) REMOVE EXISTING SPARE CIRCUIT BREAKER AND PROVIDE NEW CIRCUIT & CIRCUIT BREAKER. (4)

	NG PANEL 1P2, SECT													ROOM
VOLTAGE:			S:			LOAD						DEMAND		
TYPE:	PANELBOARD	BOLT-ON CIRCUIT						EXIST.	NEW	TOTAL		LOAD (VA		
	ITE - CDP	FULL AIC RATING: SERIES AIC RATIN	000 A					672.0	0.0	672.0	1.25	840.0		
ENCLOSUR		1	NONE	Gen. Purpo				0.0	0.0	0.0	1.00	0.0		
Mounting:					Gen. Purpo			nainder)	0.0	0.0	0.0	0.50	0.0	
		SPECIAL PROVISION	S:			Special Pu				0.0	0.0	0.0	1.00	0.0
	MANUFACTURER'S STANDARD			Mechanica				27202.7	29127.0	56329.7	1.00	56329.7		
	CONTINUOUS RATING: 225 A	MASTER NAMEPLATE				Kitchen Eq	luipmer	nt & Appli	ances	0.0	0.0	0.0	1.00	0.0
	FULL AIC RATING: 35,000 A					Shop Equi				11064.7	0.0	11064.7	1.00	11064.7
	SERIES AIC RATING: NONE	GROUND BAR				Welders - 2				0.0	0.0	0.0	1.00	0.0
					Welder - 3ı				0.0	0.0	0.0	0.85	0.0	
	LUGS ONLY	PROVIDE NEW CIRCUIT BREAKER NUMBER LABELS & PANEL				Welder - 41				0.0	0.0	0.0	0.70	0.0
	LOCATION: TOP					Welders - I		nder		0.0	0.0	0.0	0.60	0.0
		SCHEDULE			Miscellaneous 0.0 0.0 0.0						1.00	0.0		
					25% Largest Motor								954.7	
		PROVIDE HANDLE TIES FOR MULT- WIRE BRANCH CIRCUITS.				TOTALLO				00000.0	00407.0			00100.0
						TOTAL LO				38939.3	29127.0	68066.3		69189.0
							122			108.1	80.8	188.9		192.0
CONN.	FEEDER/BRANCH CIRCUIT			BKR	OKT	BUS	OKT			L ER/BRANCH C				CONN.
LOAD (VA)	DESCRIPTION		NOTE	BKR AMP/P	CKT NO	(PHASE)	CKT NO	BKR AMP/P		DESCRIPTION			NOTE	LOAD (VA)
	DESCRIPTION		AIVIP/P		(PHASE)				DESCRIPTION	LOAD (VA)				
1500.0 1500.0	RADIANT HEATER RH-1 - ART RC	20/3	1	MAIN LUGS	24	40/3		UCT HEATEF	2866.7 2866.7					
1500.0					5	С	6							2866.7
	RADIANT HEATER RH-2 - ART RC		(2)	20/3	7	A	8	30/3	SPARE					0.0
1500.0	(FORMERLY INFRARED HEA	20/3	9	В	10	1 30/3	OF AIL					0.0		
1500.0			·	1	11	С	12							0.0
	RADIANT HEATER RH-3 - ART RO	OM	(2)	20/3	13	A	14	20/3		ANGER HRV-		HOP		1200.9
1000.0	(FORMERLY INFRARED HEA		· · /		15	В	16							1200.9
1000.0	(		<i>'</i>	i	17	- c	18	1 ¦						1200.9
				30/3	19	A	20	20/3	TABLE SAW	/				1272.9
2500.0	INFRARED HEATER #3 - WORK S					t _		1.						1272.9
	INFRARED HEATER #3 - WORK S				21	В	22							
2500.0 2500.0 2500.0	INFRARED HEATER #3 - WORK S				21 23	В	22 24							1272.9
2500.0 2500.0	INFRARED HEATER #3 - WORK S			 				20/3	PLANER					1272.9
2500.0 2500.0				   30/3	23	c	24	20/3	PLANER					
2500.0 2500.0 2500.0 2500.0 2500.0	INFRARED HEATER #4 - WORK S			 	23 25	C A	24 26 28 30	20/3						1272.9
2500.0 2500.0 2500.0 2500.0 2500.0 1840.0	INFRARED HEATER #4 - WORK S			 30/3    20/1	23 25 27 29 31	A B C A	24 26 28 30 32	20/1	SPARE					1272.9 1272.9 1272.9 0.0
2500.0 2500.0 2500.0 2500.0 2500.0 1840.0 1587.0	INFRARED HEATER #4 - WORK S SPINDLE SANDER COMBINATION SANDER	SHOP			23 25 27 29 31 33	A B C A B	24 26 28 30 32 34		SPARE LTG - EXTER	RIOR POLES				1272.9 1272.9 1272.9
2500.0 2500.0 2500.0 2500.0 2500.0 1840.0 1587.0 5333.3	INFRARED HEATER #4 - WORK S	SHOP	(2)	   20/1	23 25 27 29 31 33 35	A B C A	24 26 28 30 32 34 36	20/1 20/1 20/1	SPARE LTG - EXTER SPARE	RIOR POLES				1272.9 1272.9 1272.9 0.0 672.0 0.0
2500.0 2500.0 2500.0 2500.0 1840.0 1587.0 5333.3 5333.3	INFRARED HEATER #4 - WORK S SPINDLE SANDER COMBINATION SANDER	SHOP	(2)	   20/1 20/1	23 25 27 29 31 33 35 37	A B C A C A	24 26 28 30 32 34 36 38	20/1 20/1 20/1 20/1 20/1	SPARE LTG - EXTER SPARE SPARE	RIOR POLES				1272.9 1272.9 0.0 672.0 0.0 0.0
2500.0 2500.0 2500.0 2500.0 1840.0 1587.0 5333.3 5333.3 5333.3	INFRARED HEATER #4 - WORK S SPINDLE SANDER COMBINATION SANDER	SHOP	(2)	   20/1 20/1	23 25 27 29 31 33 35	A B C A B C	24 26 28 30 32 34 36	20/1 20/1 20/1	SPARE LTG - EXTEF SPARE SPARE SPARE	RIOR POLES				1272.9 1272.9 1272.9 0.0 672.0 0.0

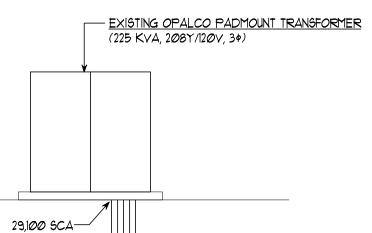
VOLTAGE: 208Y/120V, 3 PH, 4 W FEEDER TYPE: PANELBOARD BOLT-FULL SERIE ITE - CDP ENCLOSURE: NEMA 1 MOUNTING: SURFACE SPECIAL BUSSING: MANUFACTURER'S STANDARD CONTINUOUS RATING: 225 A MAST FULL AIC RATING: 35,000 A SERIES AIC RATING: NONE GROU PROV WIRI MAIN: LUGS ONLY LOCATION: TOP CONN. FEEDER/BRANCH CIRCUIT LOAD (VA) DESCRIPTION 0.0 SPARE 1240.0 LTG - WORK SHOP (INBOARD LAMPS) & AR 516.0 LTG - WORK SHOP (OUTBOARD LAMPS) 892.0 LTG - MULTI-PURPOSE ROOM 1 584.0 LTG - MULTI-PURPOSE ROOM 2 668.0 LTG - MEDIA, HALL, ELEC & BATHS 430.0 LTG - LOBBY & OFFICE 378.0 LTG - EXTERIOR PERIMETER 0.0 SPARE .0 SPARE .0 SPARE 0 SPARE .0 SPARE 180.0 OUTLETS - TELECOM 180.0 OUTLETS - TELECOM

0.0 SPARE 0.0 SPARE 0.0

**EXISTING PANEL 1A** 

0.0				35		С	36	20/1		540.0					
0.0		20/1	37	A								540.0			
0.0		20/1	39	_ E		40	20/1		MEDIA PRODU	ICTION			540.0		
0.0		20/1	41		C 42 20/1 SPARE								0.0		
	IG PANEL C											ELEC		. ROOM	
VOLTAGE:	208Y/120V, 3 PH, 4 W	CIRCUIT		ELECTRICAL LOAD CONN. LOAD (VA) DEM								DEMAND			
TYPE: PANELBOARD BOLT-ON CIRCUIT BRE FULL AIC RATING:						CALCULATION					EXIST.	NEW	TOTAL		LOAD (VA)
			22,000 A Lighting NONE Gen. Purpose Outlets (First 10 KVA)						1080.0	0.0	1080.0	1.25	1350.0		
ENCLOSURE: NEMA 1 SERIES AIC RATING: MOUNTING: SURFACE					NONE						720.0	0.0	720.0	1.00	720.0
						Gen. Purpose Outlets (Remainder)					0.0	0.0	0.0	0.50	0.0
BUSSING: MANUFACTURER'S STANDARD								irpose			0.0	0.0	0.0	1.00	0.0
								al Equip			506.0 0.0	0.0	506.0	1.00	506.0
	CONTINUOUS RATING: 225 A MASTER NAMEPLATE						Kitchen Equipment & Appliances					0.0	0.0	1.00	0.0
	FULL AIC RATING: 22,000 A					Shop Equipment					0.0	0.0	0.0	1.00	0.0
	SERIES AIC RATING: NONE	GROUND BAR				Welders - 2 Largest					0.0 0.0	0.0	0.0	1.00	0.0
NAAINI. A							Welder - 3rd Largest					0.0	0.0	0.85	0.0
	CIRCUIT BREAKER			Welder - 4th Largest					0.0	0.0 0.0	0.0 17865.1	0.70	0.0 10719.0		
	FULL AIC RATING: 22,000 A	WIRE BRANCH		15.	Welders - Remainder Miscellaneous					0.0	0.0	0.0	1.00		
	SERIES AIC RATING: 22,000 A								~r		0.0	0.0	0.0	1.00	0.0
	LOCATION: TOP				25% Largest Motor									120.5	
	LOCATION. TOP					TOTAL LOAD					20171.1	0.0	20171.1		13421.5
					TOTAL AMPS					56.0	0.0	56.0		37.3	
									00.0	0.0	00.0		07.0		
CONN.	FEEDER/BRANCH CIRCUIT	1		BKR	BUS CKT BKR FEE				FEED	ER/BRANCH C		CONN.			
LOAD (VA)	DESCRIPTION		NOTE	AMP/P	CKT NO	(PHA								NOTE	LOAD (VA)
					MAIN	CIRCU	TBR	EAKEF	र						
600.0 [	LTG - CUSTODIAL			20/1	1	A		2	60/3	WELDERO	ELDER OUTLET				
	LTG - BREEZEWAY			20/1	3	1 в	3	4	1						
	SPARE			20/1	5		С	6	1 1						4083.0 4083.0
506.0 E	506.0 EXHAUST FAN EF-1							8	50/3	SPARE					0.0
360.0	OUTLETS - CUST. & BREEZEWA	Y, NORTH		20/1	9	E	3	10							0.0
360.0		20/1 20/1	11 13		С	12							0.0		
	0.0 SPARE							14	30/3	SPARE					0.0
	0.0 SPARE						3	16							0.0
	0.0 SPARE						С	18							0.0 2808.0
	0.0 SPARE							20	60/2	PLASMA CU	SMA CUTTER				
	0.0 SPARE						3	22							2808.0
	0.0 SPARE 0.0 SPARE						С	24	50/2	SPARE					0.0
		20/1	25	A _		26							0.0		
0.0		20/1	27	_ E	, ,	28		SPARE					0.0		
0.0		20/1 SPACE	29 31	A	С	30							0.0		
	0.0						,		SPACE						0.0
0.0				SPACE		E		34							0.0
0.0				SPACE SPACE			С	36 38	SPACE SPACE						0.0
0.0				SPACE		A   E	2	40	SPACE						0.0
0.0				SPACE SPACE		┥ 「	° c	40	SPACE						0.0
0.0				SFAUE	41		U	42	SFAUE						0.0

NOTES:(1)REMOVE EXISTING SPARE CIRCUIT BREAKER & PROVIDE NEW CIRCUIT AND CIRCUIT BREAKER.(2)REMOVE EXISTING CIRCUIT & CIRCUIT BREAKER AND PROVIDE NEW CIRCUIT & CIRCUIT BREAKER.



5 EXISTING 3" PVC (EACH WITH 4 # 350 KCMIL, AL)

										ELEC	RICAL	ROOM
R/BRANCH	TDEVICE	S:	ELEC.	TRICAL	LOAD		CO	DEMAND				
T-ON CIRCU	AKERS		CAL	_CULA	TION		EXIST.	NEW	TOTAL	FACTOR	LOAD (VA)	
LAIC RATING	35,	000 A	Lighting				3844.0	864.0	4708.0	1.25	5885.0	
RIES AIC RAT	ING:	1	NONE	Gen. Purp	ose Out	tlets (First	10 KVA)	6660.0	0.0	6660.0	1.00	6660.0
				Gen. Purp	ose Out	tlets (Rem	ainder)	0.0	0.0	0.0	0.50	0.0
AL PROVISIO			Special Pu				1440.0	0.0	1440.0	1.00	1440.0	
			Mechanica	al Equip	ment		0.0	0.0	0.0	1.00	0.0	
STER NAMEF			Kitchen Ec		nt & Applia	ances	0.0	0.0	0.0	1.00	0.0	
			Shop Equi				0.0	0.0	0.0	1.00	0.0	
OUND BAR			Welders - :	2 Large	est		0.0	0.0	0.0	1.00	0.0	
				Welder - 3				0.0	0.0	0.0	0.85	0.0
OVIDE HANDI			JLTŀ	Welder - 4				0.0	0.0	0.0	0.70	0.0
IRE BRANCH CIRCUITS.				Welders -	Remair	nder		0.0	0.0	0.0	0.60	0.0
			Miscellane				0.0	0.0	0.0	1.00	0.0	
				25% Large	est Moto	or						0.0
				TOTAL LC				11944.0	864.0	12808.0		13985.0
			TOTAL AN	/IPS			33.2	2.4	35.6		38.8	
		BKR	СКТ	BUS	CKT	BKR	FEEDE	R/BRANCH C	IRCUIT			CONN.
	NOTE AMP/P NO (PHASE) NO AMP/P DESCRIPTION NOTE							NOTE	LOAD (VA)			
			MAIN LUGS	6								
20/1 1			1	A	2	20/1	OUTLETS - E	NTRY LOBBY	& EXTERIC	R		900.0
ART ROOM		20/1	3	В	4	20/1	OUTLETS - E	NTRY LOBBY	,			360.0
)		20/1	5	C	6	20/1	SPARE					0.0
		20/1	7	A	8	20/1	SPARE					0.0
		20/1	9	В	10	20/1	OUTLETS - C	FFICE 101				720.0
		20/1	11	] C	12	20/1	OUTLETS - C	FFICE 101				720.0
		20/1	13	A	14	20/1	SPARE					0.0
		20/1	15	В	16	20/1		IULTI-PURPO				540.0
		20/1	17	C	18	20/1		IULTI-PURPO	SE ROOM 1			720.0
		20/1	19	A	20	20/1	SPARE					0.0
		20/1	21	В	22	20/1		IULTI-PURPO				540.0
		20/1	23	C	24	20/1	OUTLETS - N	IULTI-PURPO	SE ROOM 2			540.0
		20/1	25	A	26	20/2	SPARE					0.0
		20/1	27	В	28	1						0.0
		20/1	29	C	30	20/1	SPARE					0.0
		100/3	31	A	32	20/1		IULTI-PURPO		Edia prod		720.0
			33	В	34	20/1		IEDIA PRODL				360.0
			35	C	36	20/1		IULTI-PURPO				540.0
		20/1	37	A	38	20/1		IEDIA PRODL		KTERIOR		540.0
		20/1	39	В	40	20/1		IEDIA PRODL	JCTION			540.0
		20/1	41	С	42	20/1	SPARE					0.0

