

SAN JUAN ISLAND SCHOOL DISTRICT

FHHS STEM BUILDING ART CLASSROOM T.I.

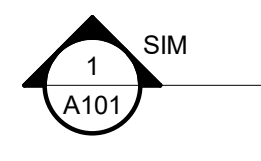
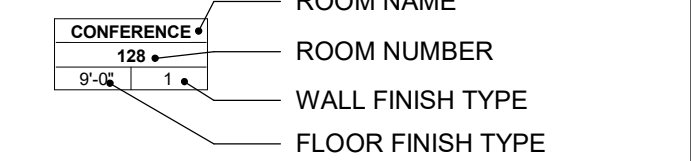
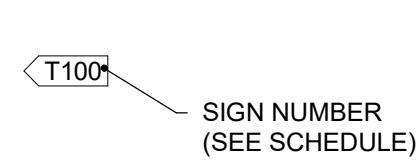
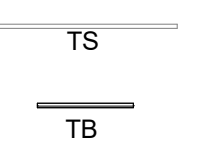
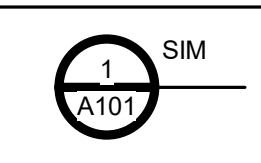
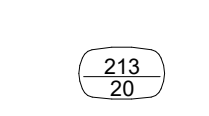
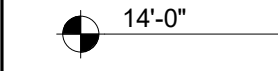
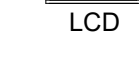
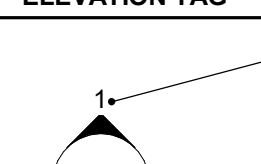

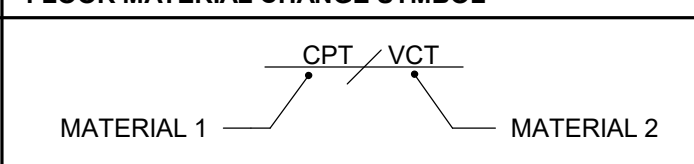
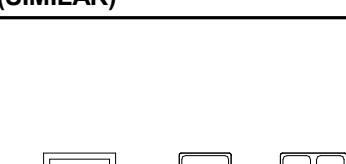
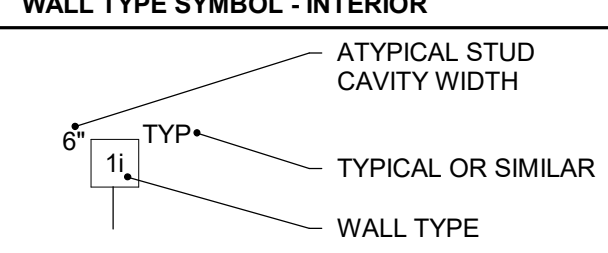
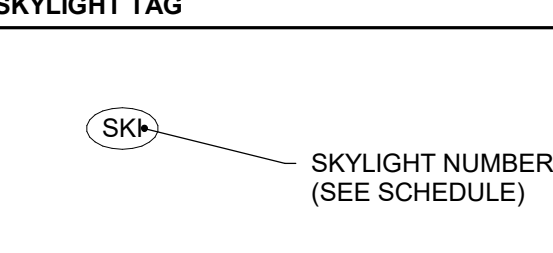
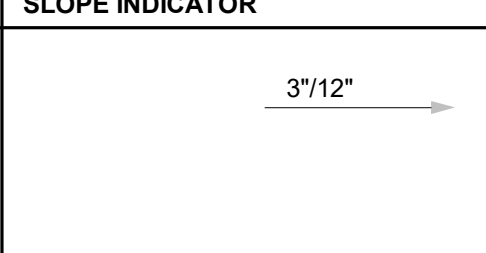
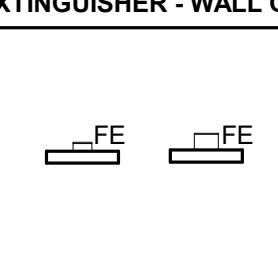
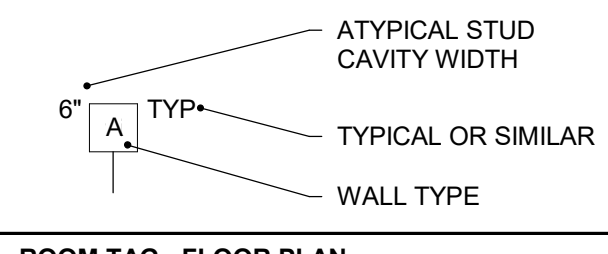
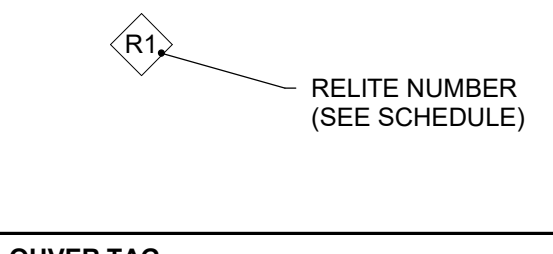
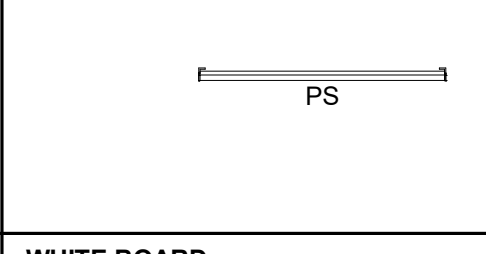

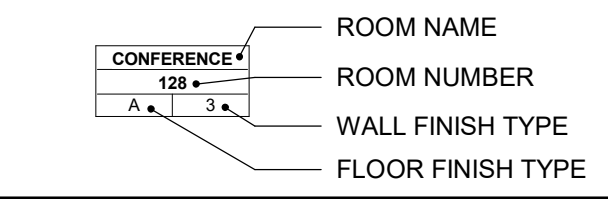
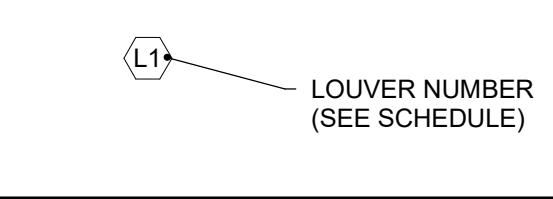
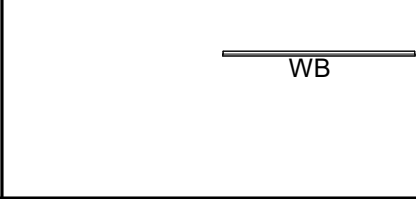

**555 GUARD STREET
FRIDAY HARBOR, WA 98250**

PROJECT NO. 679

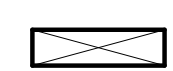


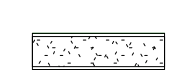
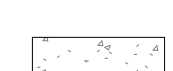


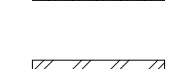
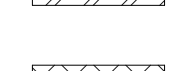

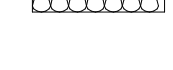
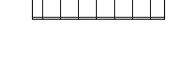


ABBREVIATIONS (ABBREVIATIONS RELATE WITH OR WITHOUT PERIODS)

ACR	ACCESS CARD READER	F.O.S.	FACE OF STUD	P/D	POWER/DATA PORTS
A.C.T.	ACOUSTICAL CEILING TILE	FPA	FALL PROTECTION ANCHOR	P/PTD	PAINT/PAINTED
AD	AREA DRAIN	FIN.	FINISH	P.LAM.	PLASTIC LAMINATE
ADA	AMERICAN DISABILITIES ACT	F.V.	FIELD VERIFY	PLYWD	PLYWOOD
ADDN.	ADDITION	FP	FILLER PIECE	PS	PROJECTION SCREEN
ADJ.	ADJUSTABLE	FA	FIRE ALARM	PTD	PAPER TOWEL DISPENSER
ALT.	ALTERNATE	FB	FIRE BLANKET	RCP	REFLECTED CEILING PLAN
ALUM.	ALUMINUM	FE	FIRE EXTINGUISHER	REINF.	REINFORCING
APB	ADA PUSH BUTTON	FHS	FIRE HOSE STROBE	REBAR	REINFORCING BAR
∠	ANGLE	F. PULL	FIRE PULL	RELOC.	RELOCATE
ASSM	ASSEMBLY (CONSTRUCTION)	F. STROBE	FIRE STROBE	RD	ROOF DRAIN
AWRB	AIR AND WEATHER RESISTIVE BARRIER	FS	FLOOR SLEEVE	RM.	ROOM
BB	BULLETIN BOARD	FT.	FOOT	R.O.	ROUGH OPENING
BM	BEAM	FTG.	FOOTING	RUB	RUBBER
BLK.	BLOCKING	FRMG.	FRAMING	RB	RUBBER BASE
BD.	BOARD	F.O.I.C.	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR	RV	ROOF VENT
B.O.C.	BOTTOM OF CONCRETE	F.O.I.O.	FURNISHED BY OWNER, INSTALLED BY OWNER	RRV	ROOFING RELIEF VENT
B.O.S.	BOTTOM OF STEEL	GA.	GALVANIZED	RWL	RAIN WATER LEADER
B.O.T.	BOTTOM OF TRUSS	G.A.	GYPSUM ASSOCIATION	S.	SOUTH
BS	BACKSPLASH	GL. B.	GLASS BOARD	SB	SPLASH BLOCK
B.U. COL.	BUILT-UP COLUMN	GL	GLAZING	SD	SOAP DISPENSER
B.U.R.	BUILT-UP ROOFING	GB	GRAB BAR	S.F.	SQUARE FOOT (FEET)
C.B.	CATCH BASIN	GYP.	GYPSUM	SHB	SHEET METAL BACKER
CPT.	CARPET	GWB	GYPSUM WALL BOARD	SH.BR.	SHELF BRACKET
CLG.	CEILING	H.C.	HANDICAPPED	SIM.	SIMILAR
CBB	CEMENTITIOUS BACKER BOARD	HDW.	HARDWARE	S.O.G.	SLAB ON GRADE
C.J.	CONTROL JOINT	HDWD	HARDWOOD	SNR	SANITARY NAPKIN RECEPTACLE
CLO.	CLOSET	HT.	HEIGHT	SPEC.	SPECIFICATIONS
C.O.	CLEAN OUT	HB	HOSE BIB	STN.	STAIN
CTR.	CENTER	HM	HOLLOW METAL	STD.	STANDARD
CL.	CENTER LINE	INS.	INSULATION	STL.	STEEL
C.T.	CERAMIC TILE	I.D.	INSIDE DIAMETER	STOR.	STORAGE
COL.	COLUMN	IBC	INTERNATIONAL BUILDING CODE	SUSP.	SUSPENDED
CONC.	CONCRETE	JT.	JOINT	TS	TACKABLE SURFACE
CONST.	CONSTRUCTION	LAV.	LAVATORY	TD	TRENCH DRAIN
C.M.U.	CONCRETE MASONRY UNITS	LF	LIGHT FIXTURE	THSD	THRESHOLD
CONT.	CONTINUOUS	MFD.	MANUFACTURED	TPD	TOILET PAPER DISPENSER
COORD.	COORDINATE	MAS.	MASONRY	M.O.	TONGUE AND GROOVE
CG	CORNER GUARD	M.H.	MAN HOLE	T.O.C.	TOP OF CONCRETE
DIA.	DIAMETER	M.H.O.	MAGNETIC HOLD OPEN	T.O.S.	TOP OF STEEL
DIM.	DIMENSION	M.O.	MASONRY OPENING	T.O.T.	TOP OF TRUSS
DN	DOWN	M.S.	MACHINE SCREW	T.S.GL.	TEMPERED SHEET GLASS
DS	DOWNSPOUT	MANUF.	MANUFACTURED	TYP.	TYPICAL
DF	DRINKING FOUNTAIN	MATL.	MATERIAL	U.O.N.	UNLESS OTHERWISE NOTED
DR.	DOOR	MAX.	MAXIMUM	VB	VAPOR BARRIER
DWG.	DRAWING	MECH.	MECHANICAL	VER.	VERIFY
E.	EAST	MDO	MEDIUM DENSITY OVERLAY	V.I.F.	VERIFY IN FIELD
ELEC.	ELECTRICAL	MEMB.	MEMBRANE	VCT	VINYL COMPOSITION TILE
EL.	ELEVATION	ML	MARRIAGE LINE	VP	VENEER PLASTER
EM. LIGHT	EMERGENCY LIGHT	MTL	METAL	VTR	VENT THRU ROOF
EP	ELECTRIC PANEL	MIN.	MINIMUM	W.H.	WATER HYDRANT
EQ.	EQUAL	MR	MOISTURE RESISTANT	W.O.G.	WALK OFF GRATE
EW	EMERGENCY EYEWASH	MULL.	MULLION	W.O.M.	WALK OFF MAT
EWS	EMERGENCY EYEWASH/SHOWER	NOM.	NOMINAL	WT.	WEIGHT
EX/EXST	EXISTING	N.	NORTH	W.	WEST
E.J.	EXPANSION JOINT	N.I.C.	NOT IN CONTRACT	WB	WHITE BOARD
FD	FLOOR DRAIN	N.P.W.	NOMINAL PANEL WIDTH	W.CH.	WIRE CHASE
F.A.A.	FIRE ANNUNCIATION ALARM	N.T.S.	NOT TO SCALE	W/	WITH
F.A.P.	FIRE ALARM PANEL	O.C.	ON CENTER	W/O	WITHOUT
FH	FIRE HYDRANT	OPG.	OPENING	WD	WOOD
F.O.B.	FACE OF BRICK OR BLOCK	OPP.	OPPOSITE	WRB	WEATHER RESISTIVE BARRIER
F.O.C.	FACE OF CONCRETE	O.D.	OUTSIDE DIAMETER	W.W.M.	WELDED WIRE MESH
		O.W.S.J.	OPEN WEB STEEL JOIST	YD.	YARD

GRAPHIC SYMBOLS

SECTION MARK	CEILING TAG - REFLECTED CEILING PLAN	SIGNAGE TAG	TACK BOARD / TACKABLE SURFACE
 SECTION 1 IS NOTED AS DRAWING "1" ON SHEET "A101"			
DETAIL TAG	DOOR TAG	ELEVATION TARGET	VISUAL DISPLAY LOCATION
 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	 14'-0"	
ELEVATION TAG	WINDOW TAG	FLOOR MATERIAL CHANGE SYMBOL	SINKS (SIMILAR)
 THIS ELEVATION IS NOTED AS DRAWING "1" ON SHEET "A101"	 WINDOW NUMBER (SEE SCHEDULE)		
WALL TYPE SYMBOL - INTERIOR	SKYLIGHT TAG	SLOPE INDICATOR	FIRE EXTINGUISHER - WALL CABINET
	 SKYLIGHT NUMBER (SEE SCHEDULE)		
WALL TYPE SYMBOL - EXTERIOR	RELITE TAG	PROJECTION SCREEN	DRINKING FOUNTAIN
	 RELITE NUMBER (SEE SCHEDULE)		
ROOM TAG - FLOOR PLAN	LOUVER TAG	WHITE BOARD	EXIT SIGN
	 LOUVER NUMBER (SEE SCHEDULE)		

MATERIAL LEGEND

	WOOD, ROUGH
	WOOD, FINISH
	PLYWOOD
	GWB
	CONCRETE
	EARTH FILL
	GRAVEL
	STEEL
	MASONRY
	INSULATION, BATT OR LOOSE FILL
	INSULATION, RIGID
	INSULATION, FOAM
	INSULATION, FOAM
	CERAMIC/QUARRY TILE

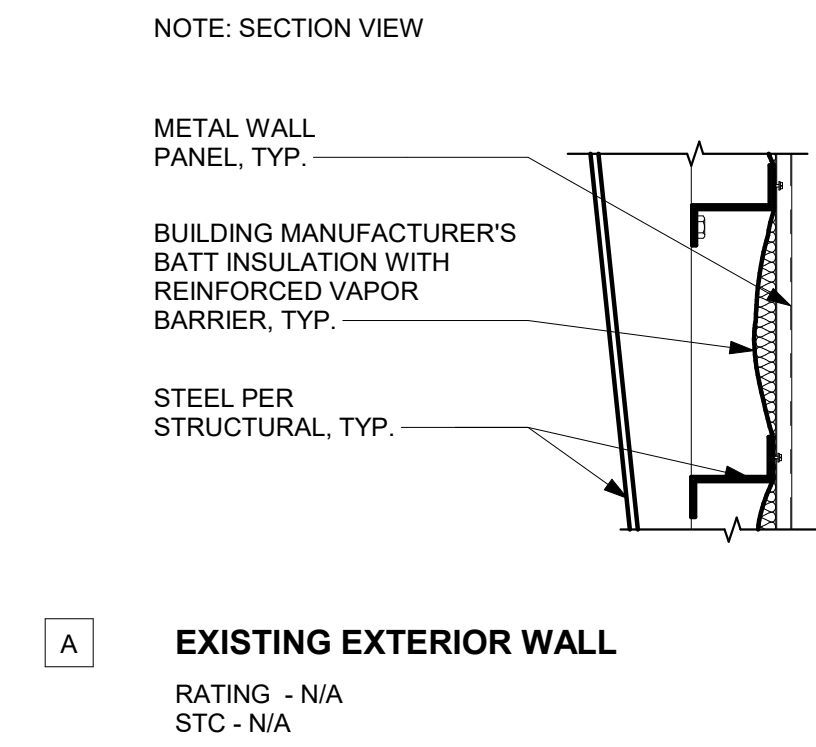
PROJECT TEAM

OWNER SAN JUAN SCHOOL DISTRICT #149 555 GUARD STREET FRIDAY HARBOR, WA 98250 OWNER CONTACT BROCK HAUCK FACILITIES DIRECTOR PH: (360) 370-7115 EMAIL: brockhauck@sjisd.org	ARCHITECT HKP ARCHITECTS 204 WEST MONTGOMERY STREET MOUNT VERNON, WA 98273 PH: (360) 336-2155 BRIAN POPPE, PARTNER-IN-CHARGE EMAIL: bpoppe@hkpa.com KELLY VALENTIN, PROJECT MANAGER EMAIL: kvalentin@hkpa.com	STRUCTURAL ENGINEER DCG 2110 RIVERSIDE DRIVE, SUITE 110 MOUNT VERNON, WA 98273 PH: (360) 899-1110 CONTACT: JORDAN JANICKI EMAIL: jordan@dcgengr.com	MECHANICAL ENGINEER HARRIS GROUP, INC. 20201 CEDAR VALLEY ROAD, SUITE 120 LYNNWOOD, WA 98036 PH: (425) 774-3829 CONTACT: ANDY LONGINO EMAIL: andy.longino@harrisgroup.com	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
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DRAWING INDEX

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A0.01	DRAWING INDEX, TEAM, LEGEND, SYMBOLS & ABBREVIATIONS
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A2.11	FURNITURE AND EQUIPMENT PLAN
A2.30	REFLECTED CEILING AND ROOF PLAN
A3.10	BUILDING ELEVATIONS
A6.10	INTERIOR ELEVATIONS - DEMOLITION
A6.11	INTERIOR ELEVATIONS
A8.10	SIGNAGE PLAN, SCHEDULE & TYPES
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E2.0	ELECTRICAL - DEMOLITION PLAN
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E5.2	ELECTRICAL - TELECOM PLAN
E5.2	ELECTRICAL - TELECOM DETAILS
E6.1	ELECTRICAL - RISER DIAGRAM & SCHEDULES

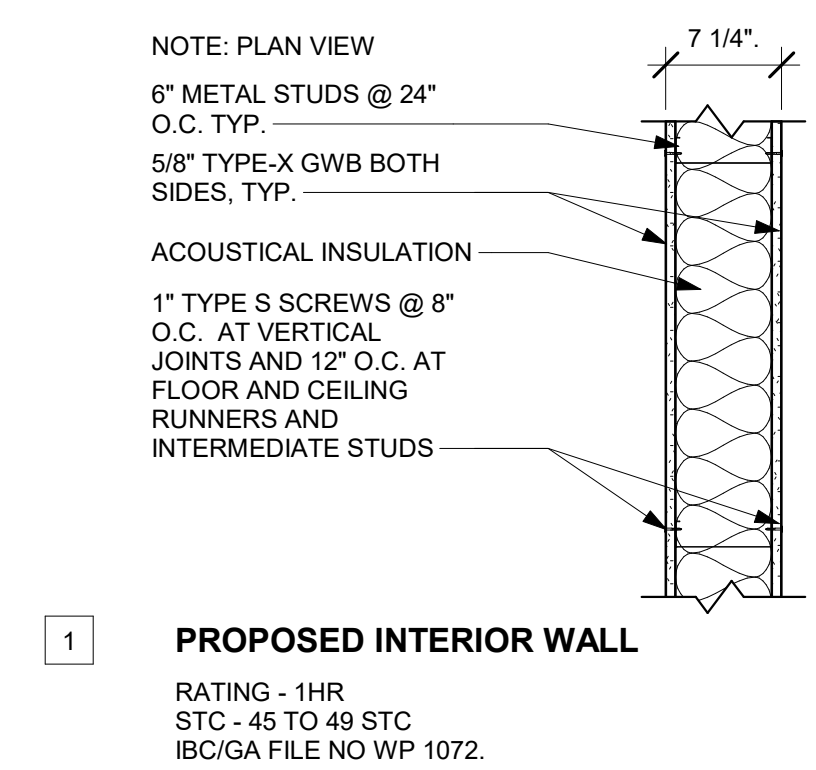
EXTERIOR WALL ASSEMBLIES



ACOUSTICAL NOTES

1. PROVIDE ACOUSTICALLY TREATED (STC) WALL TERMINATION AT ROOF DECK.
2. 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.
4. 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.
5. 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-HARDENING CAULK IN ACCORDANCE WITH ASTM C919. PROVIDE AT BOTH FLOOR AND CEILING PLATES.
7. IN AREAS WHERE PLUMBING PASSES THROUGH FRAMING ELEMENTS ADJACENT TO ACOUSTICALLY ISOLATED SPACES, PROVIDE VIBRATION ISOLATION.
8. 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 VERTICALLY, SHOULD BE STAGGERED.
10. SOUND INSULATION SHOULD BE UNFAED AND SECURED TO STRUCTURE TO PREVENT SAGGING.

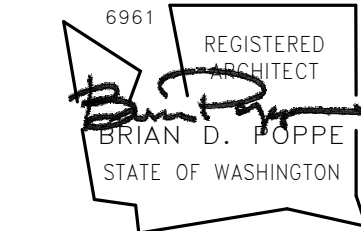
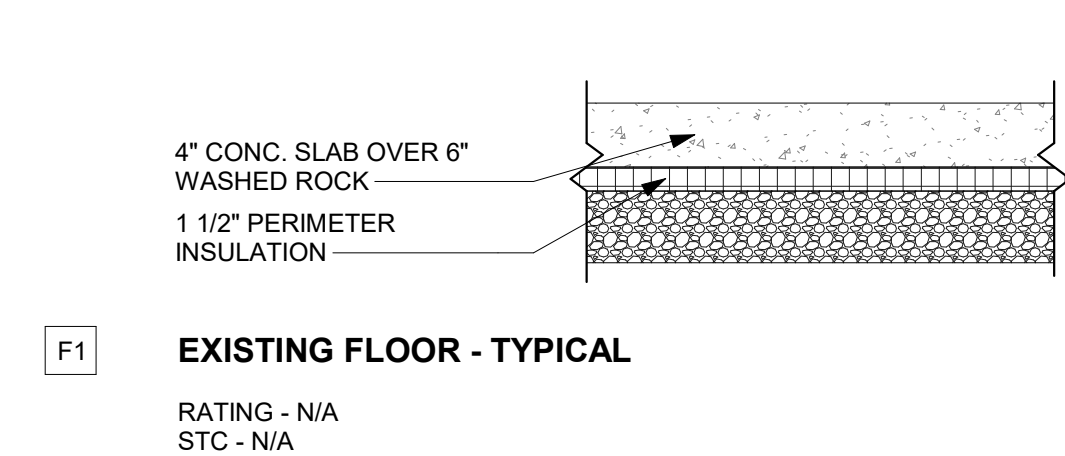
INTERIOR WALL ASSEMBLIES



GENERAL NOTES

1. 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.
2. ALL WALLS ARE CONTINUOUS TO ROOF DECK UNLESS OTHERWISE NOTED. PROVIDE TIGHT SEAL AROUND FRAMING, PIPING, AND OTHER OBSTRUCTIONS TO PROVIDE CONTINUOUS SEAL.
3. MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS ARE DESIGN-BUILD AND ARE NOT INCLUDED IN THIS DOCUMENT.
4. CONTRACTOR IS RESPONSIBLE FOR DETAILING AND INSTALLING ALL SHEET METAL CLOSURES, FLASHING, DOWNSPOUTS, GUTTERS, ETC., AS PER MANUFACTURER'S STANDARD DETAILS.

FLOOR ASSEMBLIES

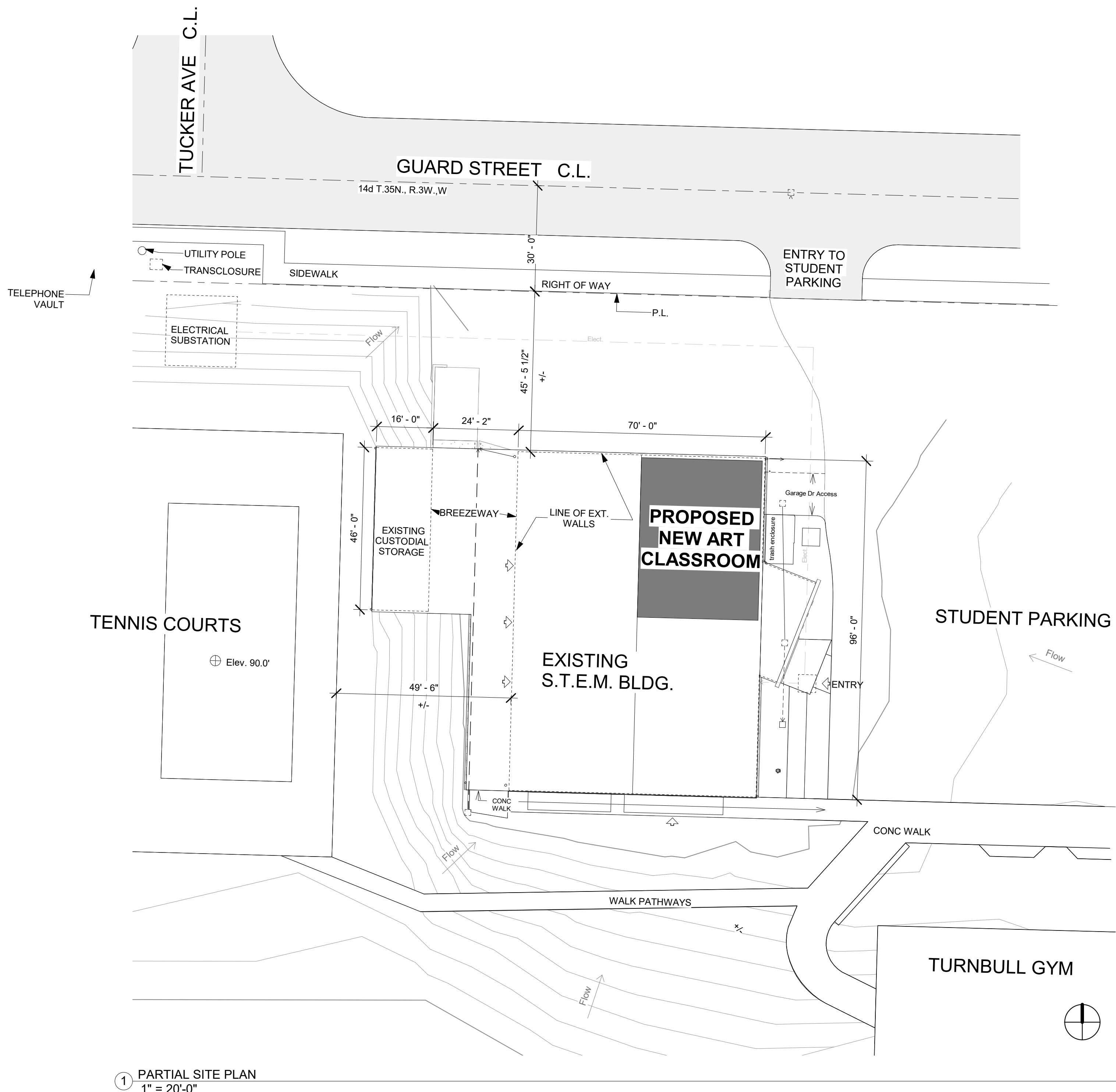


Owner:
SAN JUAN ISLAND SCHOOL DISTRICT
PO BOX 458 FRIDAY HARBOR, WA 98250

Project Title:
FHHS STEM BUILDING ART CLASSROOM T.I.
555 GUARD STREET FRIDAY HARBOR, WA 98250

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

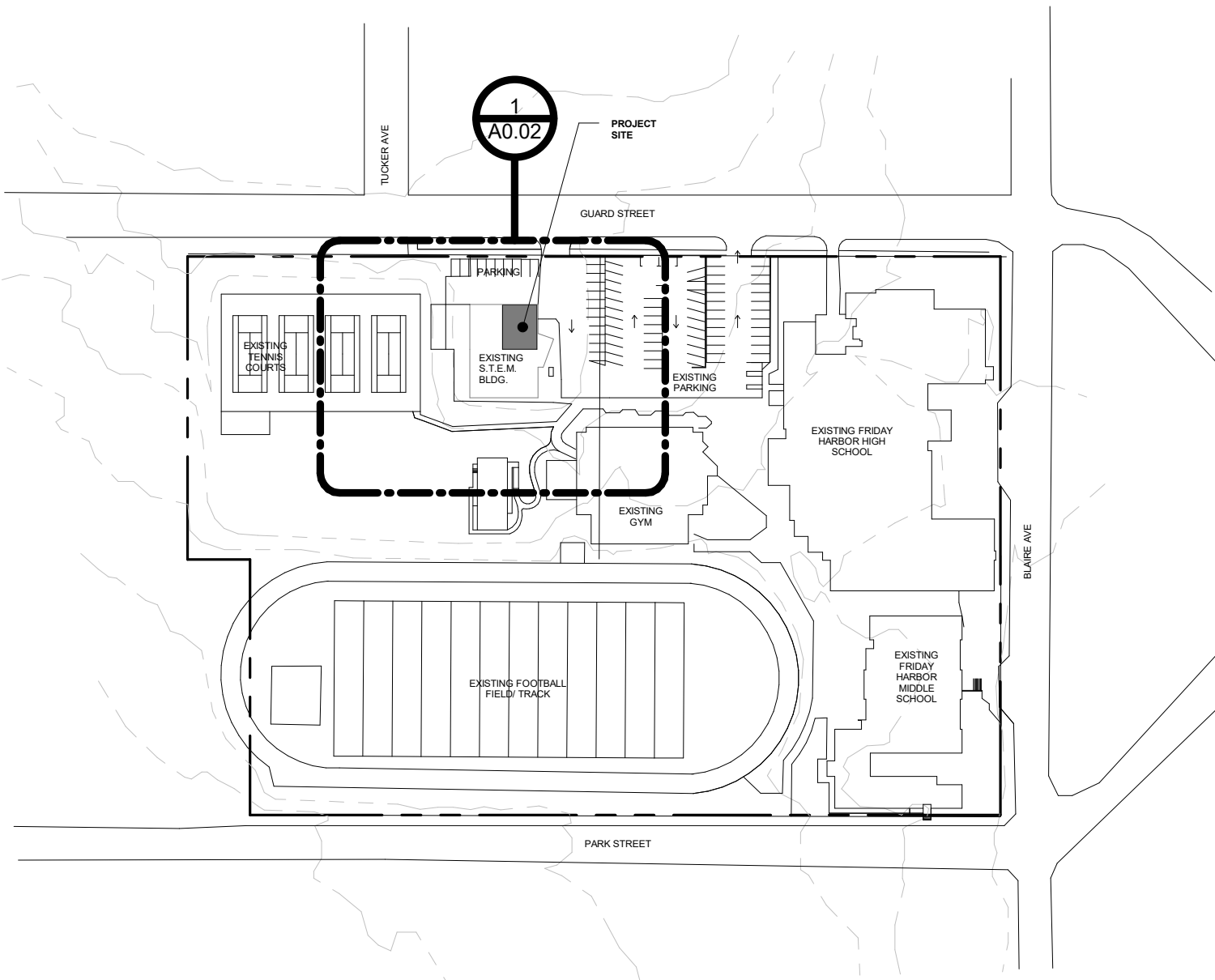
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Checked: BP
Date: 01/25/2023
Job No.: 679
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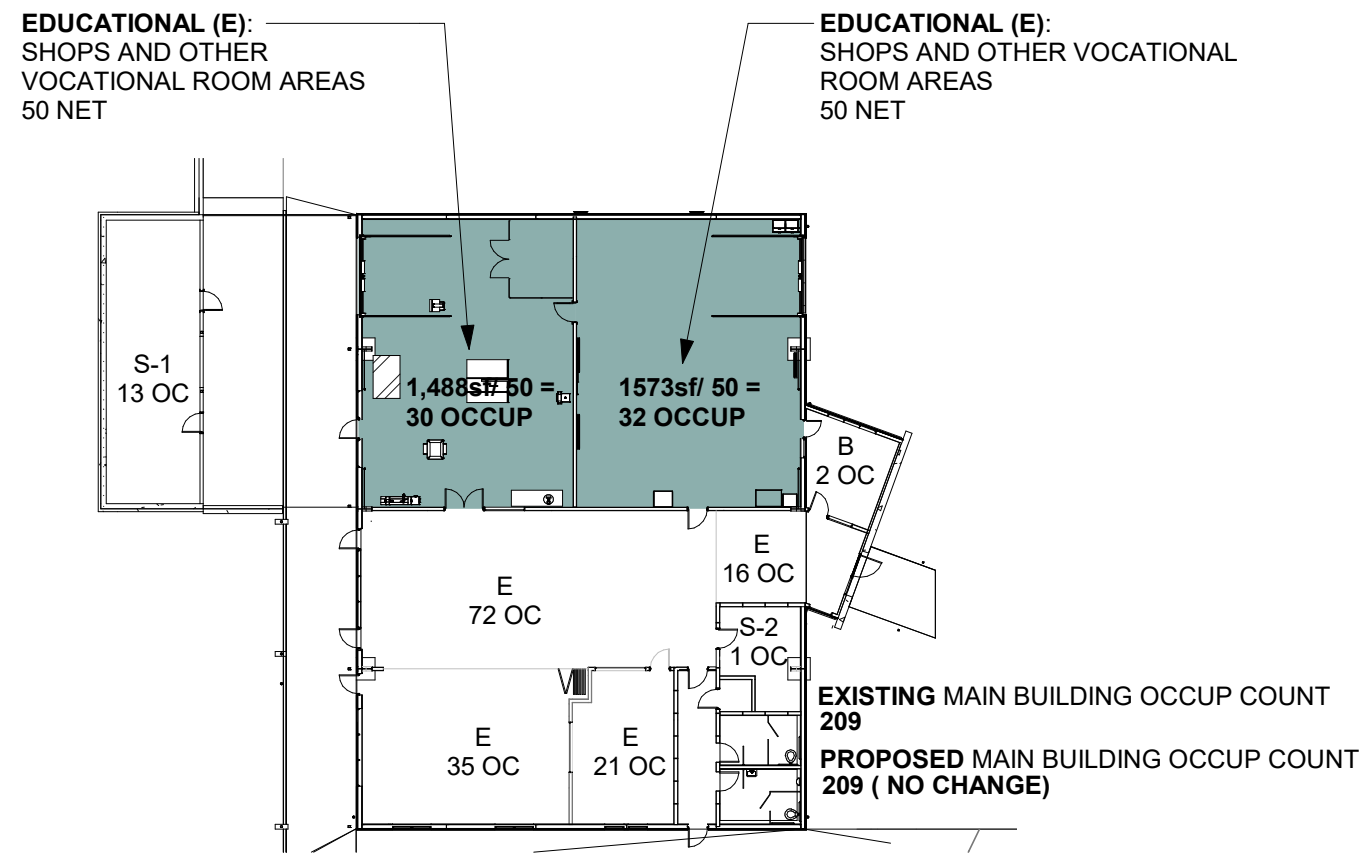
FRIDAY HARBOR HIGH SCHOOL (FHHS)



VICINITY MAP



2 OVERALL SITE PLAN.
1" = 160'-0"



ZONING INFORMATION

PROJECT DESCRIPTION

ALTERATIONS TO THE EXISTING FRIDAY HARBOR HIGH S.T.E.M. BUILDING. WORK TO BE DONE INCLUDES THE PARTITIONING OFF HALF OF THE EXISTING WOOD SHOP ROOM, CREATING NEW ART CLASSROOM. EXISTING RADIANT HEATERS LOCATED OVER NEW CLASSROOM TO BE DEMOLISHED AND REMOVED. EXISTING HEAT RECOVERY VENTILATION SYSTEM TO HAVE DUCTING RECONFIGURED AND REBALANCED TO SERVE EXISTING SHOP AND NEW ART CLASSROOM

BUILDING DESCRIPTION

EXISTING METAL BUILDING

SITE INFORMATION

SITE ADDRESS	555 GUARD STREET FRIDAY HARBOR, WA 98250
PARCEL NUMBER	351491001000
PROPERTY ID	15637
QUARTER	
SECTION	14
TOWNSHIP	35
RANGE	03
CURRENT LEGAL DESCRIPTION	F H TRACTS 10-01 (PR NE-NE) Sec 14, T 35N, R 3W
LOT SIZE	1.06 ACRES, (46,056 SQFT)
CONSTRUCTION TYPE	2B
DRAINAGE NOTES	NO CHANGE

PLANNING CRITERIA

JURISDICTION	SAN JUAN ISLAND
CURRENT ZONE DISTRICT	FRIDAY HARBOR INCORPORATED UGA
NEIGHBORHOOD	FRIDAY HARBOR - AREA 01 - COMM (11516)
LAND AREA	1.057 ACRES (46,056 SQFT)
SETBACKS (NO CHANGE TO BUILDING FOOTPRINT)	
MAXIMUM BUILDING HEIGHT (NO CHANGE)	
EXISTING NUMBER OF STORIES - NO CHANGE	1 LEVEL
EXISTING BUILDING HEIGHT - NO CHANGE	19 FEET

GENERAL NOTES

1. ALL CONSTRUCTION SHALL CONFORM WITH THE IBC 2018 EDITION
2. THE CONTRACTOR SHALL CONFIRM SITE CONDITIOND AND DIMENSIONS PRIOR TO PROCEEDING WITH THE WORK
3. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE
4. NOTIFY THE ARCHITECT IMMEDIATELY REGARDING ANY CHANGES, ERRORS OR OMISSIONS
5. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO MAINTAIN EXISTING AND GENERAL SAFETY DURING THE WORK, THE FACILITY MAY BE USED BY THE OWNER DURING CONSTRUCTION.
6. ALL DISPOSAL SHALL BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS
7. WAGES PAID UNDER THIS CONTRACT SHALL BE NOT LESS THAN THE PREVAILING WAGE RATE IN SAN JUAN COUNTY IN ACCORDANCE WITH CHAPTER 39.12 RCW FOR THE STATE OF WASHINGTON
8. ALL MOUNTED CONTROLS SUCH AS THERMOSTATS, ECT. THAT ARE LOCATED IN CONFLICTING WALL SPACE WITH CABINETRY ARE TO BE RELOCATED TO CLOSEST ADJACENT AVAILABLE WALL SPACE.

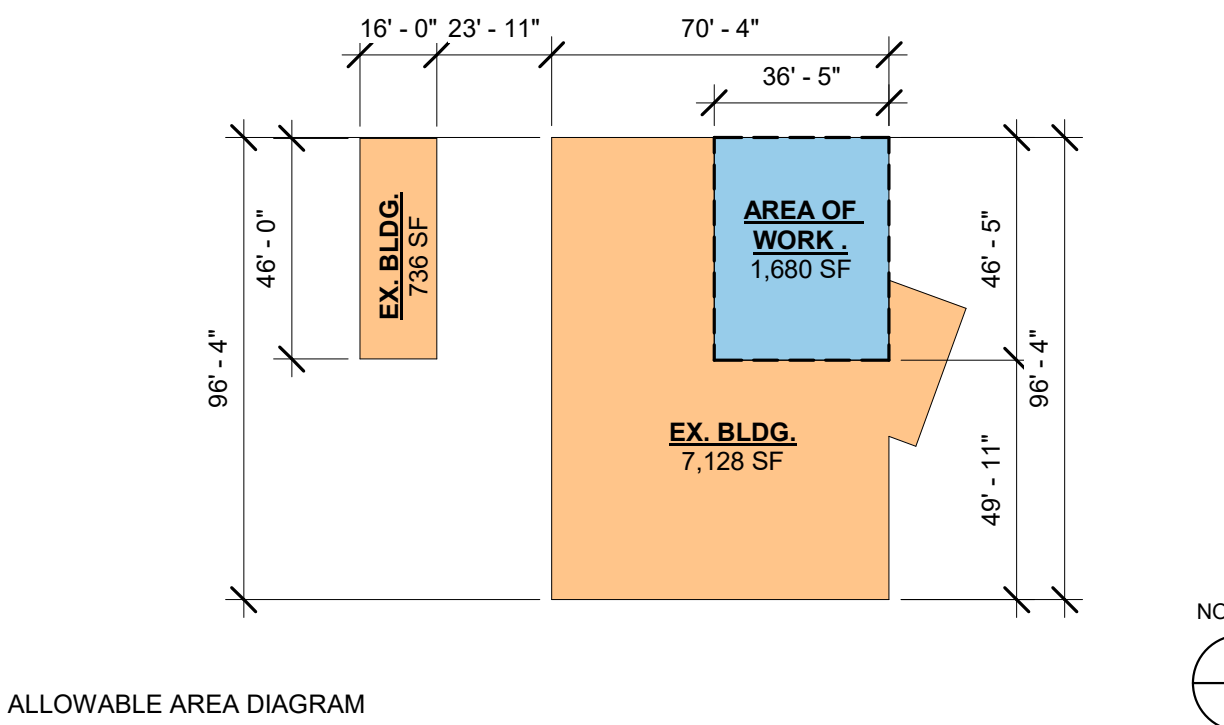
BUILDING CODE INFORMATION

INTERNATIONAL BUILDING CODE

APPLICABLE CODES

2018 INTERNATIONAL BUILDING CODE (IBC) AND AMENDMENTS
2018 INTERNATIONAL MECHANICAL CODE (IMC) AND AMENDMENTS
2018 INTERNATIONAL FUEL GAS CODE (IFGC) AND AMENDMENTS
2018 INTERNATIONAL FIRE CODE (IFC) AND AMENDMENTS
2018 UNIFORM PLUMBING CODE (UPC) AND AMENDMENTS
2018 NATIONAL ELECTRIC CODE (NEC) AND AMENDMENTS
ICC/ANSI A117.1-2009

OCCUPANCY CLASSIFICATION - NO CHANGE	
CURRENT USE CLASSIFICATION	EDUCATIONAL (E)
EXISTING MAIN BUILDING OCCUPANCY	209
PROPOSED MAIN BUILDING OCCUPANCY	209 (NO CHANGE)
CONSTRUCTION TYPE	
EXISTING:	IIIB
PROPOSED:	IIIB
EXISTING BUILDING AREA - NO CHANGE	
EXISTING BUILDING FLOOR AREA:	7,107 SF NO CHANGE
EXISTING CUSTODIAL BUILDING:	734 SF NO CHANGE
EXISTING BREEZEWAY:	1,095 SF NO CHANGE
TENANT IMPROVEMENT AREA:	1,680 SF EXISTING
TOTAL	8,936 SF NO CHANGE
PROJECT HEIGHT - NO CHANGE	
EXISTING NUMBER OF STORIES:	1 STORY - NO CHANGE
EXISTING BUILDING HEIGHT:	19 FEET - NO CHANGE



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

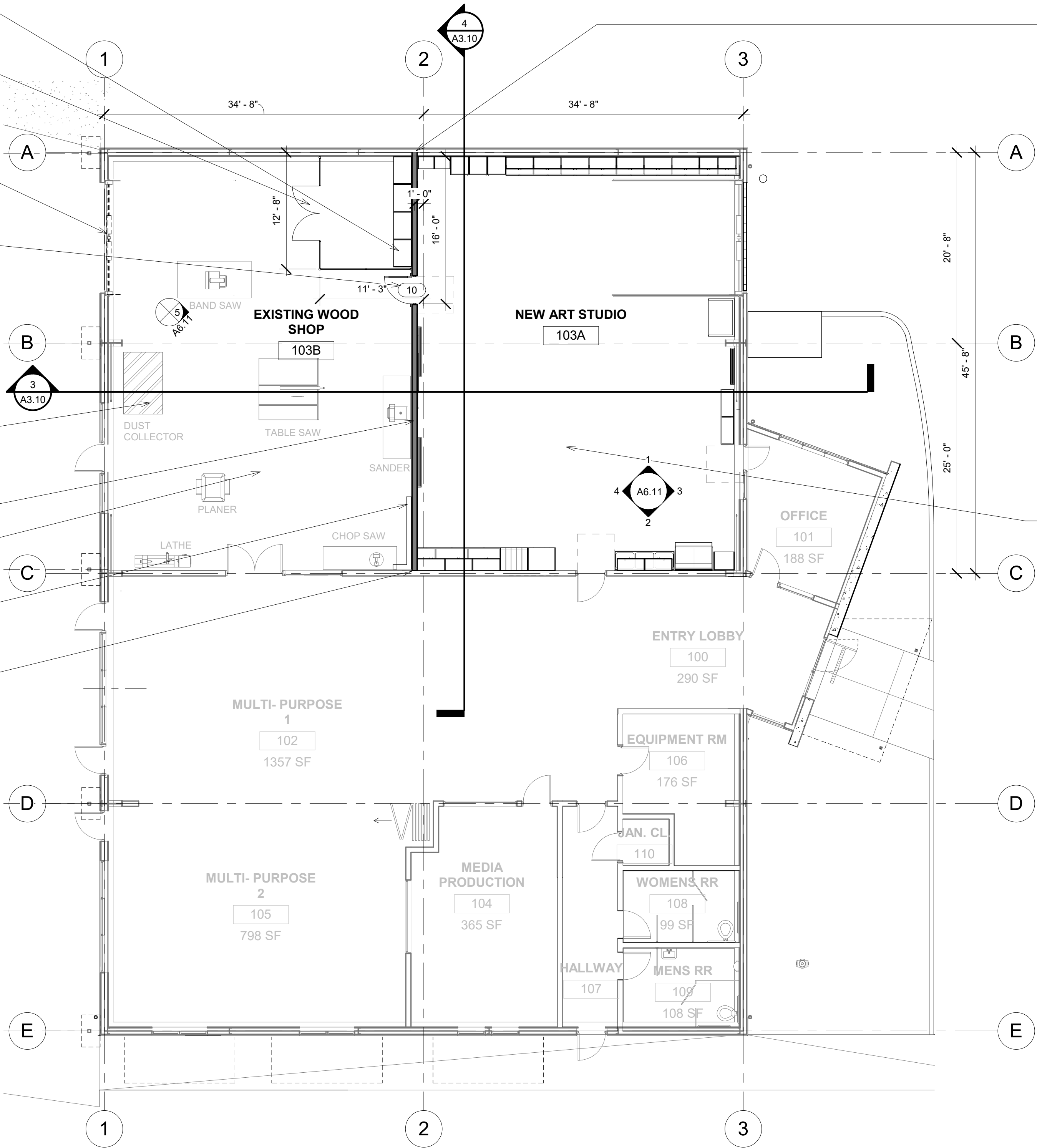
PORTION OF WOOD SHOP
TO REMAIN UNALTERED

RECONFIGURE EXISTING
DUST COLLECTOR DUCT

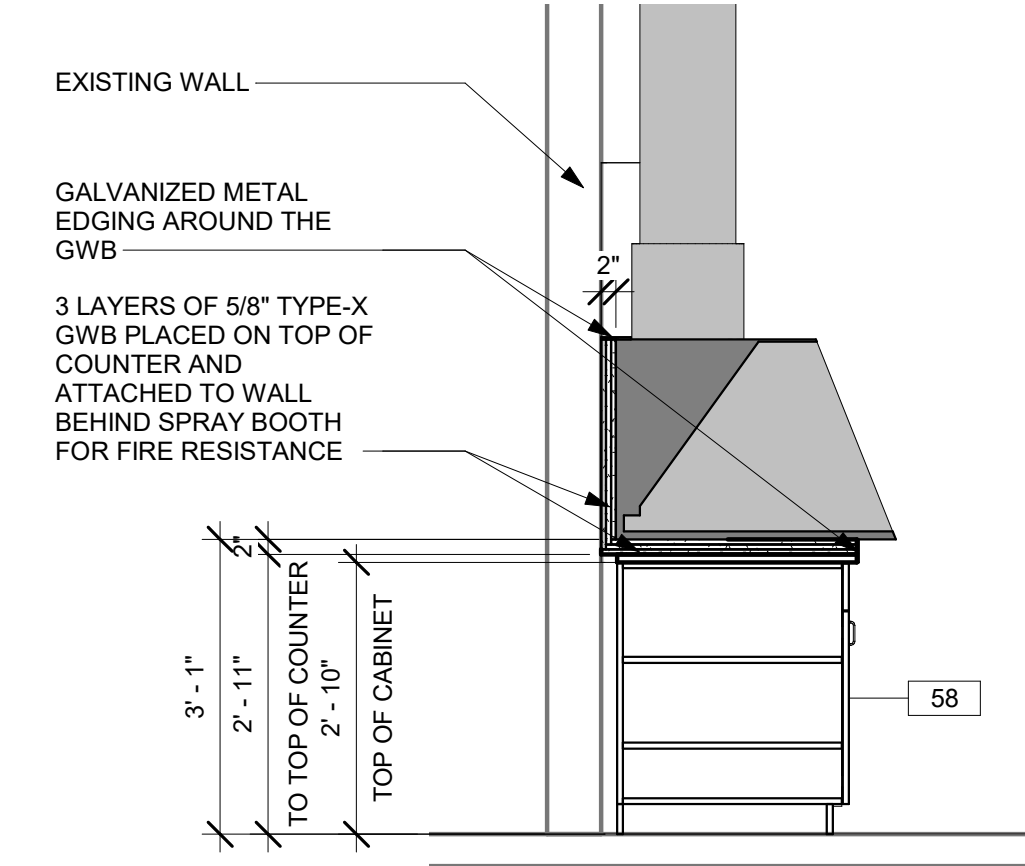
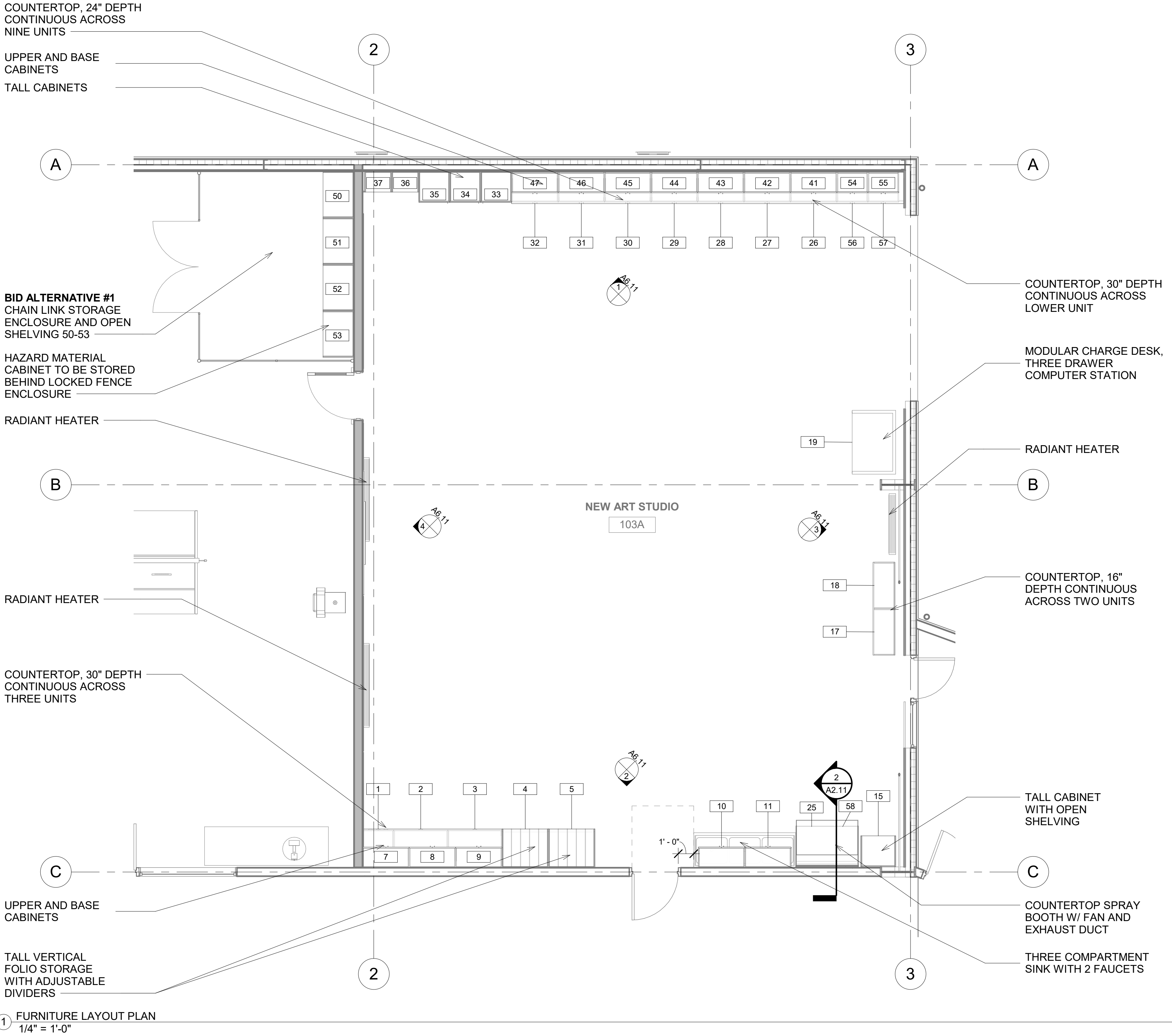
PROVIDE STEEL STUD
BLOCKING @ 3'-0" MAX
O.C. FOR ATTACHMENT OF
NEW WALL

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

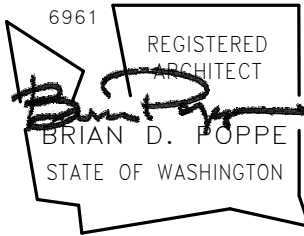
NEW ART CLASSROOM,
AREA OF WORK THIS
PROJECT



MANUFACTURED CASEWORK SCHEDULE						
Mark	Manufacturer	Model	Height	Width	Depth	Comments
1	Case Systems	B4240	3' - 0"	2' - 0"	2' - 5"	BASE CABINET, FIVE DRAWER STORAGE
2	Case Systems	B4150	3' - 0"	3' - 6"	2' - 5"	BASE CABINET, FIVE DRAWER PAPER STORAGE
3	Case Systems	B4150	3' - 0"	3' - 6"	2' - 5"	BASE CABINET, FIVE DRAWER PAPER STORAGE
4	Case Systems	Z4030	7' - 0"	3' - 0"	2' - 6"	TALL CABINET, FOLIO STORAGE WITH ADJUSTABLE DIVIDERS
5	Case Systems	Z4030	7' - 0"	3' - 0"	2' - 6"	TALL CABINET, FOLIO STORAGE WITH ADJUSTABLE DIVIDERS
7	Case Systems	W0100	2' - 6"	3' - 0"	1' - 4"	UPPER CABINET
8	Case Systems	W0100	2' - 6"	3' - 0"	1' - 4"	UPPER CABINET
9	Case Systems	W0100	2' - 6"	3' - 0"	1' - 4"	UPPER CABINET
10	Case Systems	W0100	2' - 6"	3' - 0"	1' - 4"	UPPER CABINET
11	Case Systems	W0100	2' - 6"	3' - 0"	1' - 4"	UPPER CABINET
15	Case Systems	T0000	7' - 11"	2' - 3"	2' - 0"	TALL CABINET, OPEN STORAGE
17	Case Systems	B0000	3' - 0"	3' - 0"	1' - 4"	BASE CABINET, OPEN STORAGE
18	Case Systems	B0000	3' - 0"	3' - 0"	1' - 4"	BASE CABINET, OPEN STORAGE
19	Case Systems	D6010	3' - 3"	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



② SPRAY BOOTH TO CABINET DETAIL
1/2" = 1'-0"



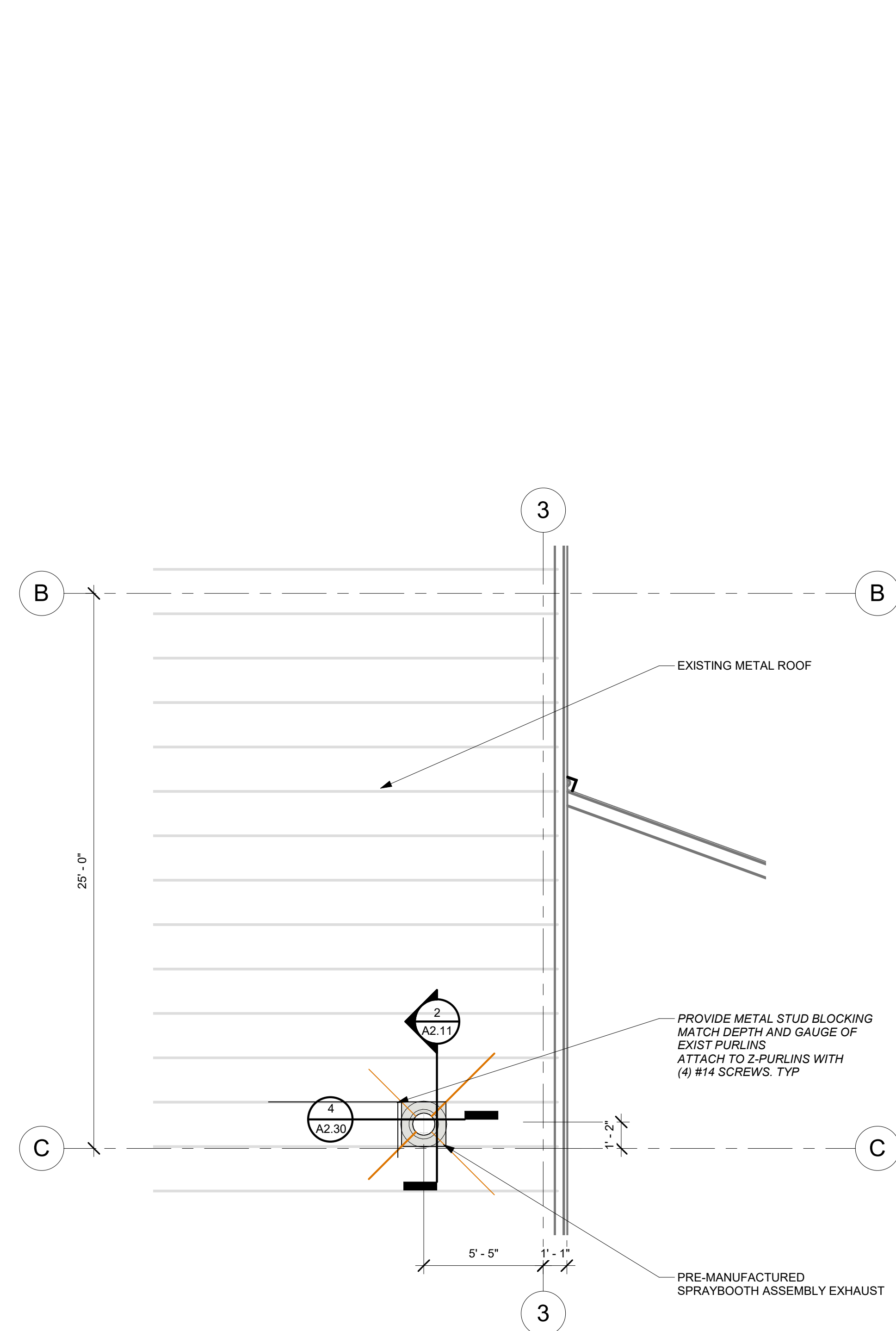
Owner:
SAN JUAN ISLAND SCHOOL
DISTRICT
PO BOX 458 FRIDAY HARBOR,
WA 98250

Project Title:
FHHS STEM BUILDING ART
CLASSROOM T.I.
555 GUARD STREET
FRIDAY HARBOR, WA 98250

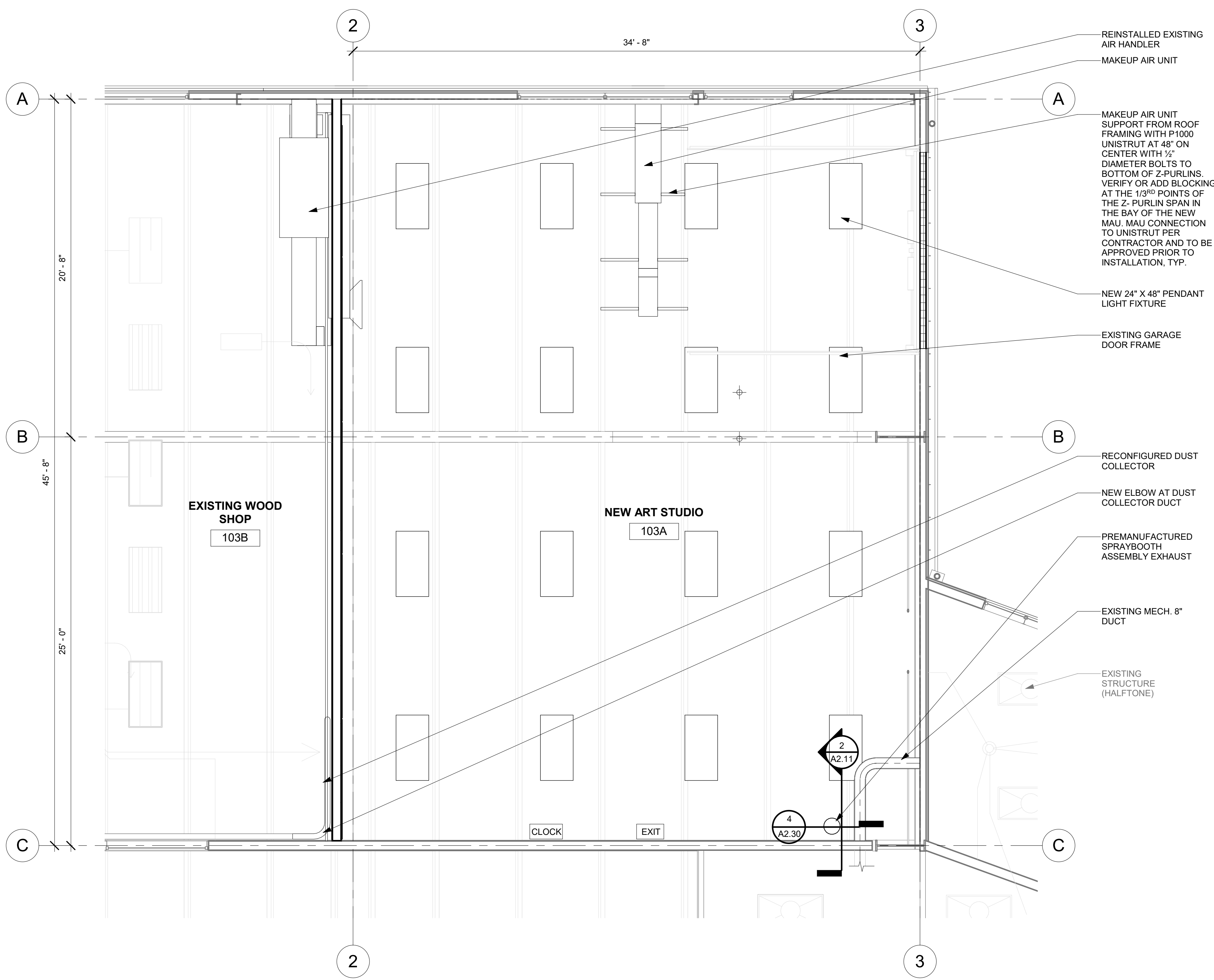
Sheet Contents:
FURNITURE AND
EQUIPMENT PLAN

Revisions:
Rev. Date

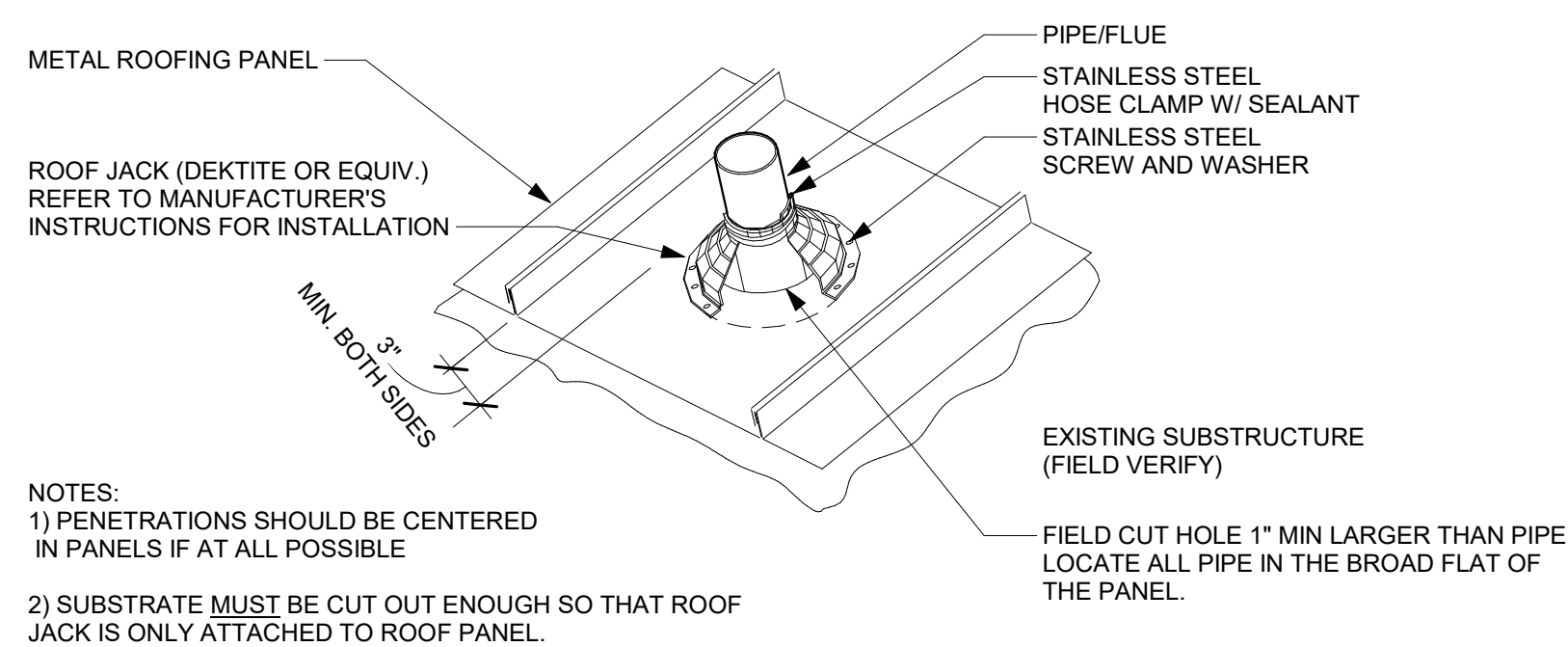
Drawn By: BP, KV
Checked: BP
Date: 06/24/2022
Job No.: 679
Sheet No.:



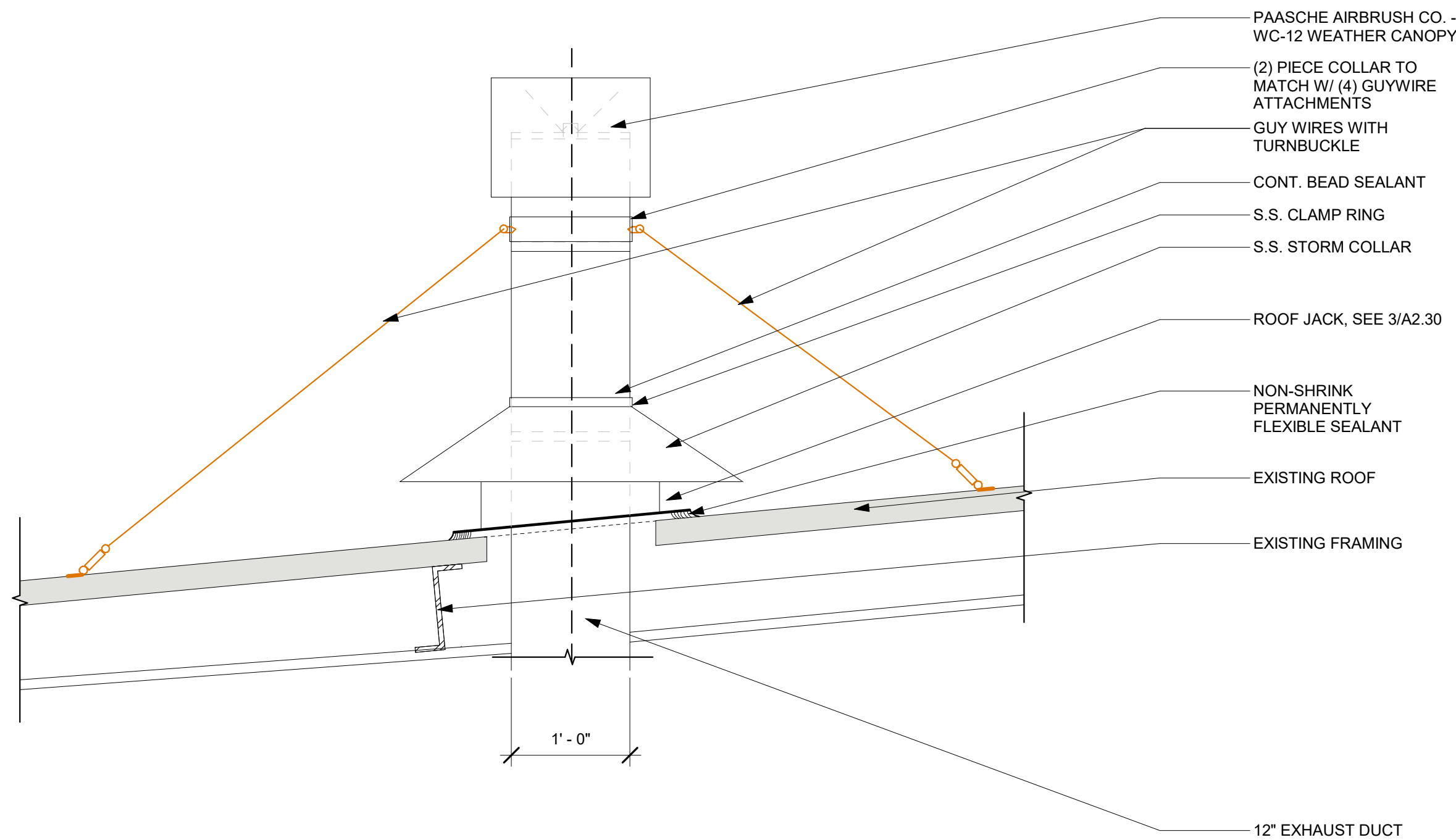
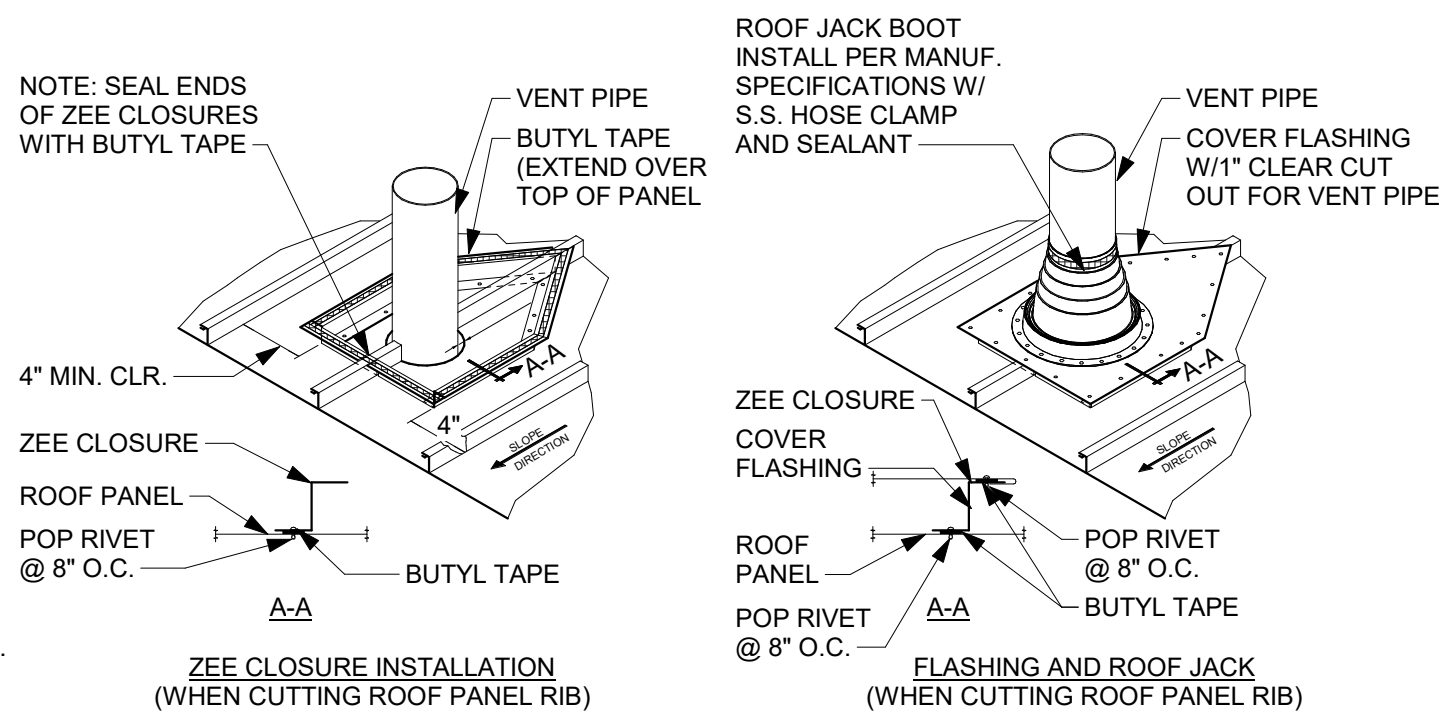
2 PARTIAL ROOF PLAN.
1/4" = 1'-0"



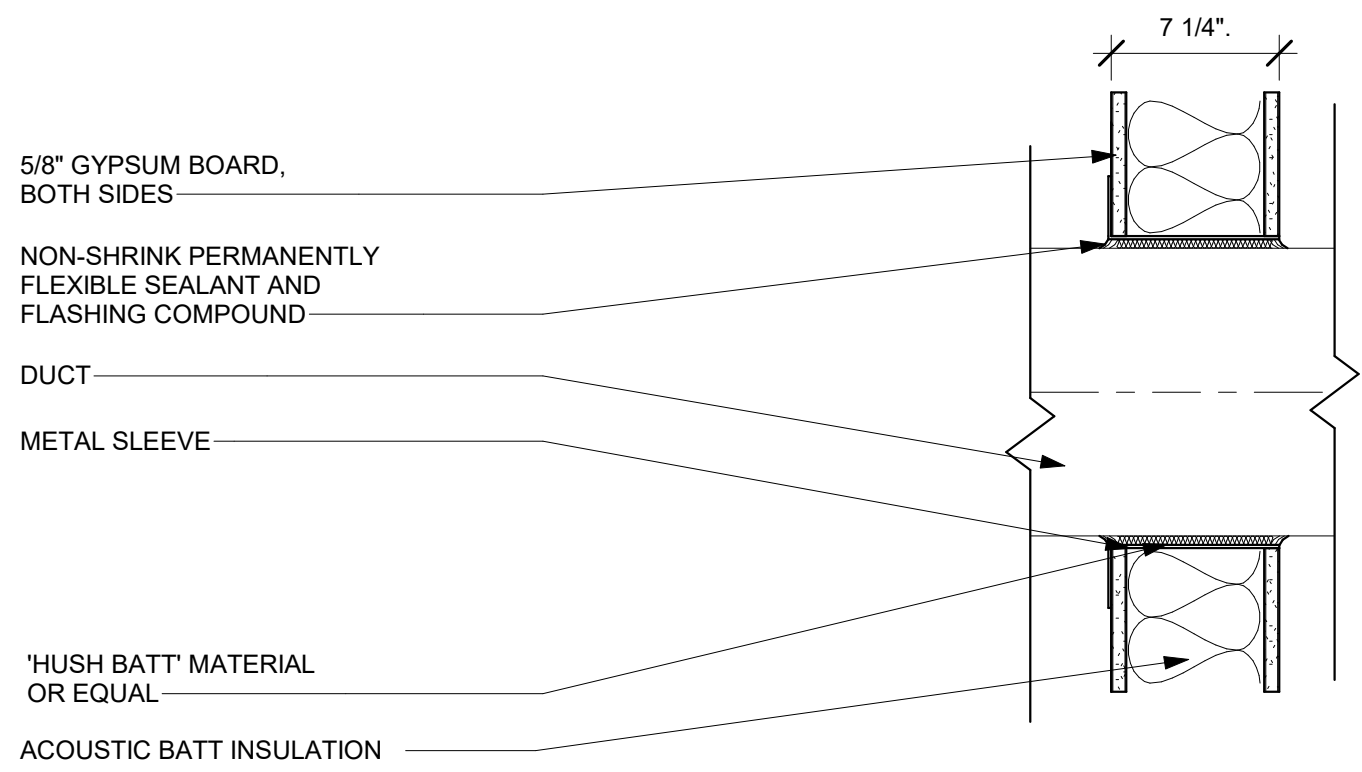
1 PARTIAL FIRST FLOOR REFLECTED CEILING PLAN
1/4" = 1'-0"



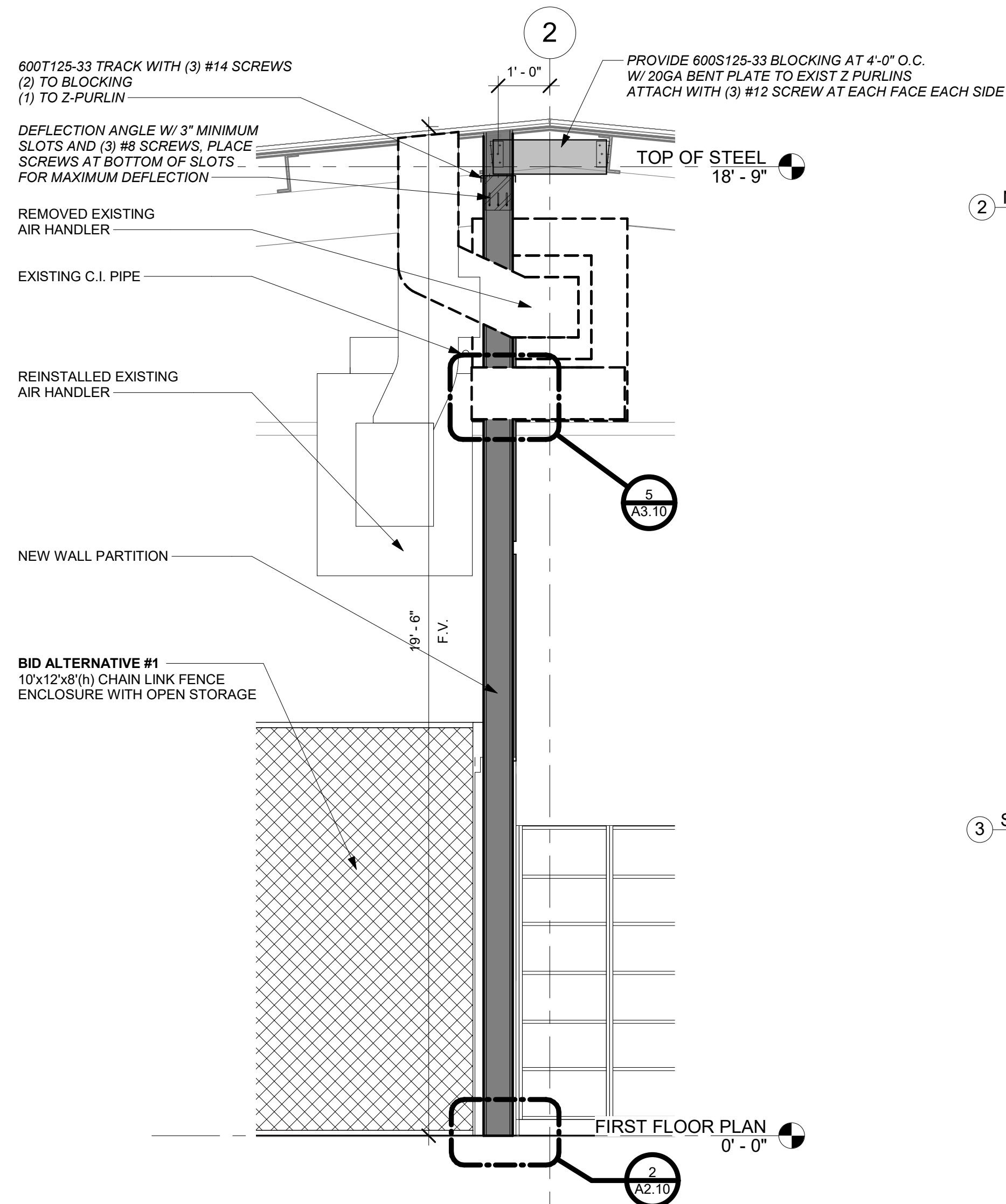
3 ROOF PENETRATION
1" = 1'-0"



4 EXHAUST FLUE ROOF PENETRATION DETAIL
1" = 1'-0"



⑤ DUCT THRU WALL DETAIL
1 1/2" = 1'-0"



WALL PARTITION NOTES

1. ONE RIGID BRACE AT MAX 8 FEET O.C. AT ALTERNATE SIDES

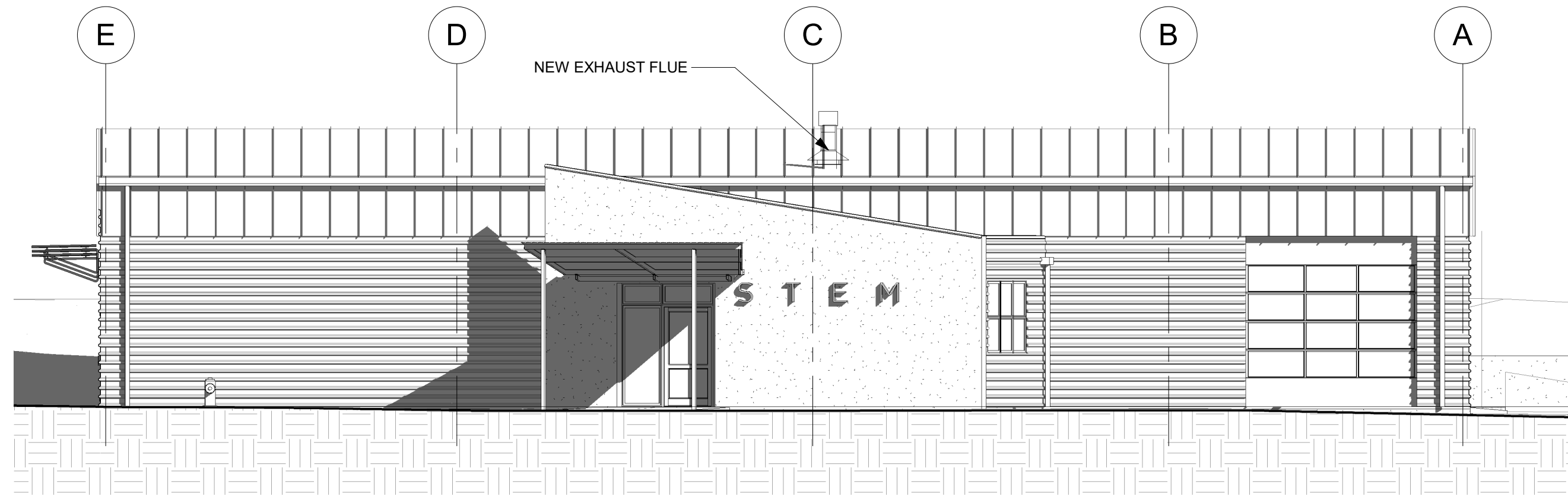
2. TOP OF WALL BRACE ATTACHED TO BLDG. STEEL STRUCTURE MEMBER WITH STEEL CLIPS & 2- #

8 S-SCREWS

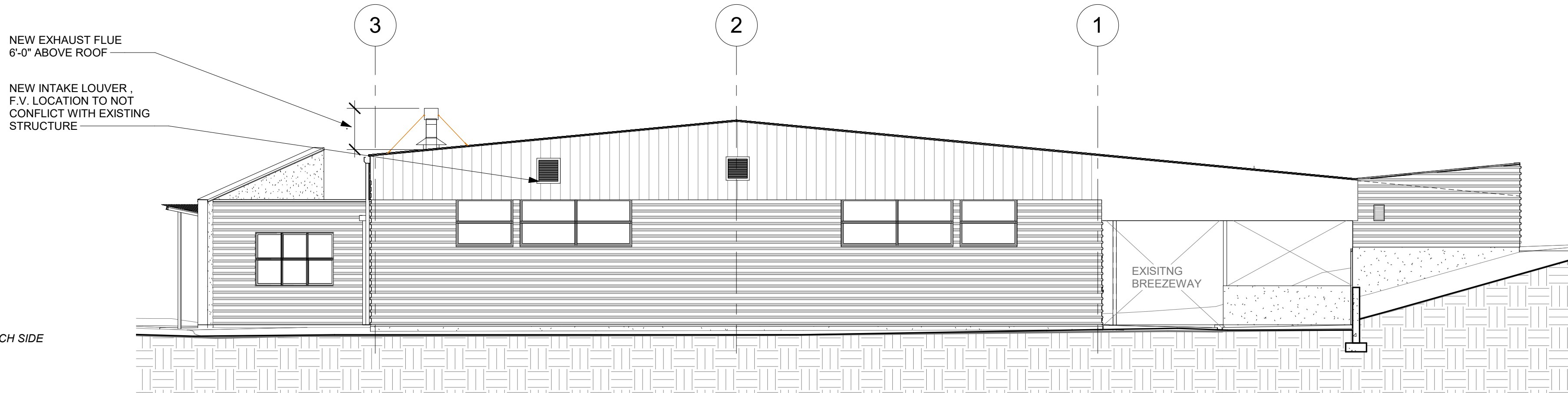
3. BRACING, USE NESTED OR BACK TO BACK (2) 3 1/2" 25 GA. STEEL STUDS.

4. ATTACH BRACING TO TOP OF WALL PARTITION W/ TWO NO. 8 S-SCREWS

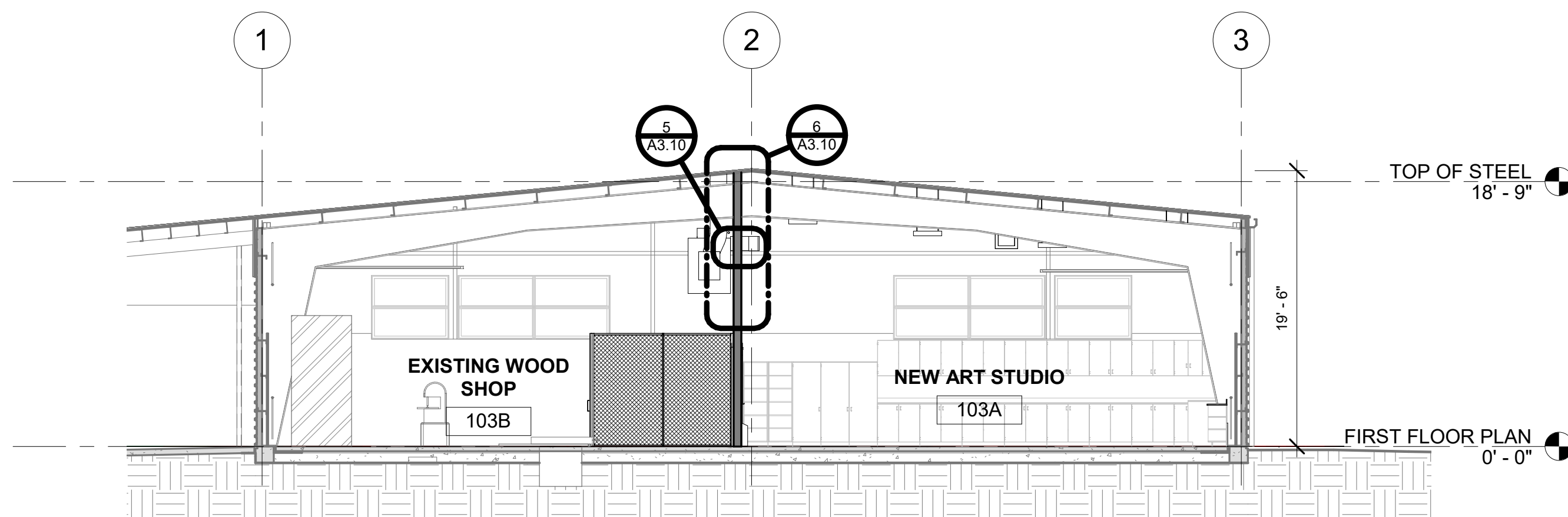
⑥ PARTITION WALL SECTION
1/2" = 1'-0"



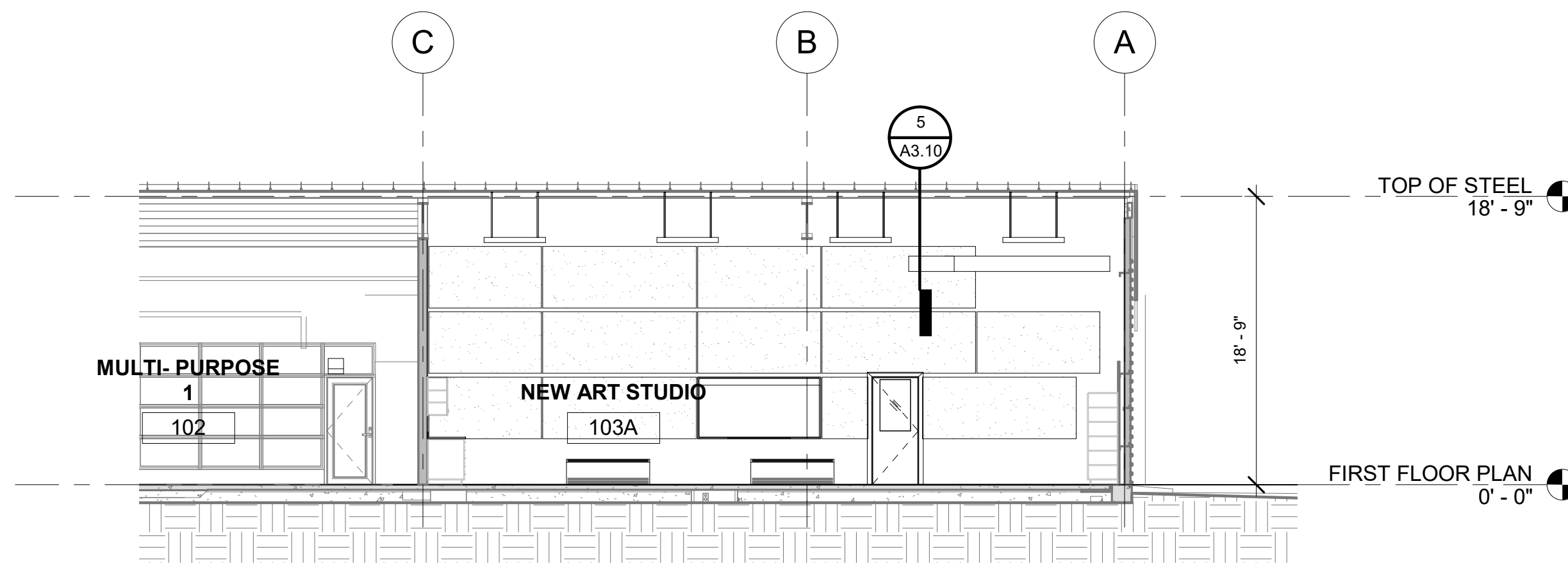
① EAST ELEVATION
1/8" = 1'-0"



② NORTH ELEVATION
1/8" = 1'-0"



③ SECTION A
1/8" = 1'-0"



④ SECTION B
1/8" = 1'-0"

DEMOLITION CONSTRUCTION LEGEND	
	EXISTING, TO REMAIN. NO WORK, TYP.
	CONTRACTOR TO DEMOLISH
	CONTRACTOR TO TEMPORARILY REMOVE. PRESERVE AND PROTECT FOR RE-INSTALL.
	OWNER TO DEMOLISH

- 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. SEE A2.12 FURNITURE AND EQUIPMENT PLAN FOR CASEWORK LAYOUT AND SCHEDULE
 - 4.

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 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

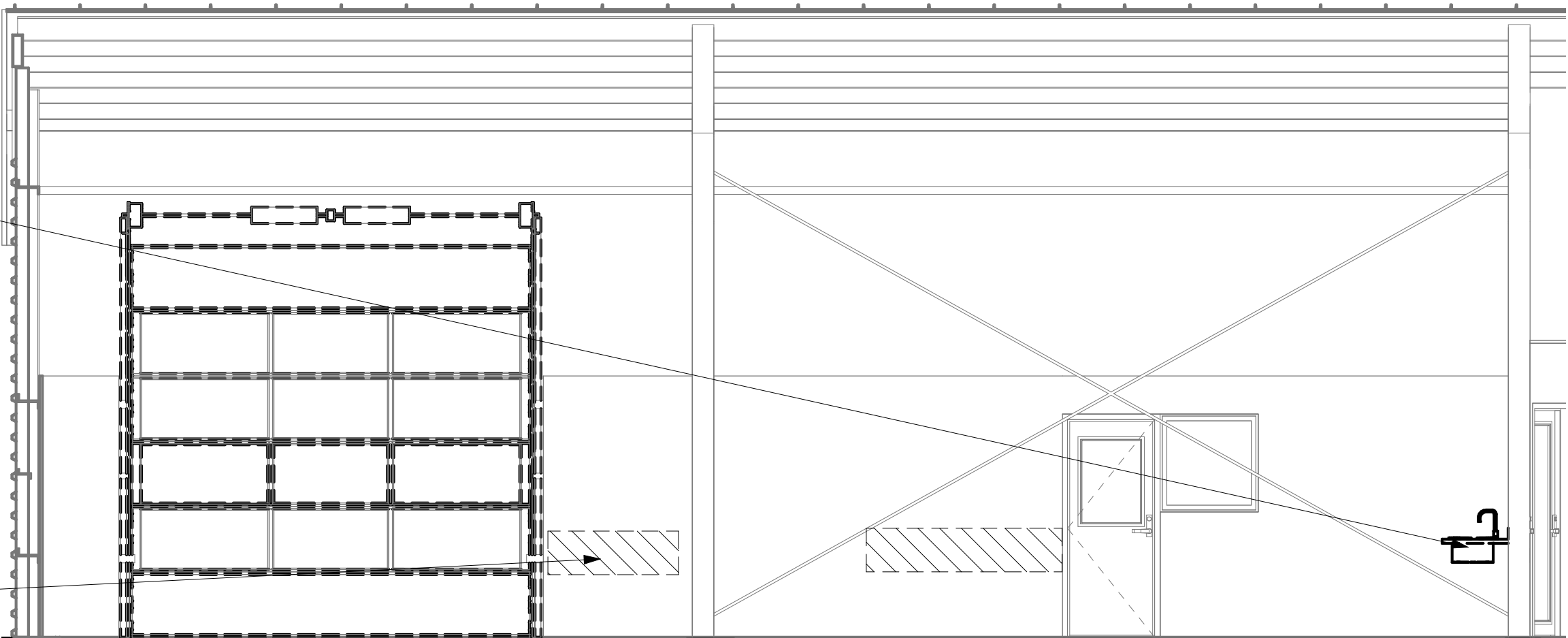
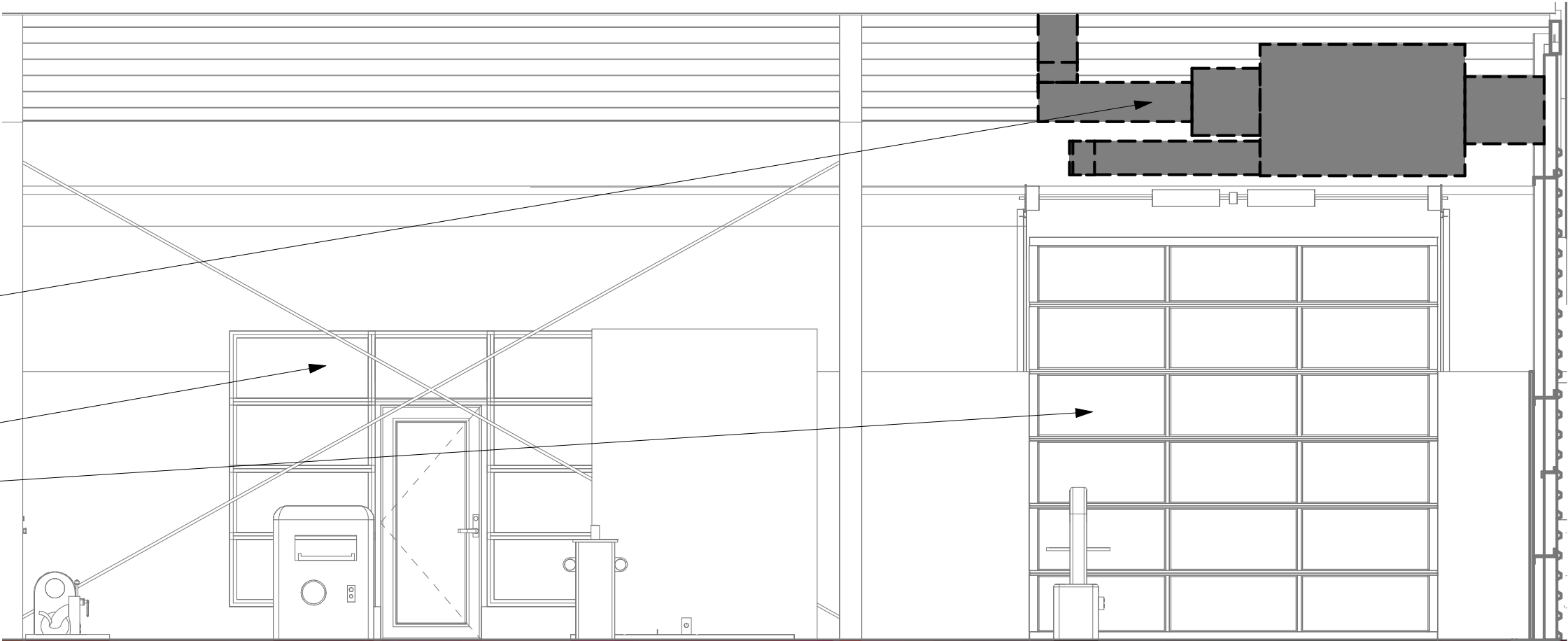
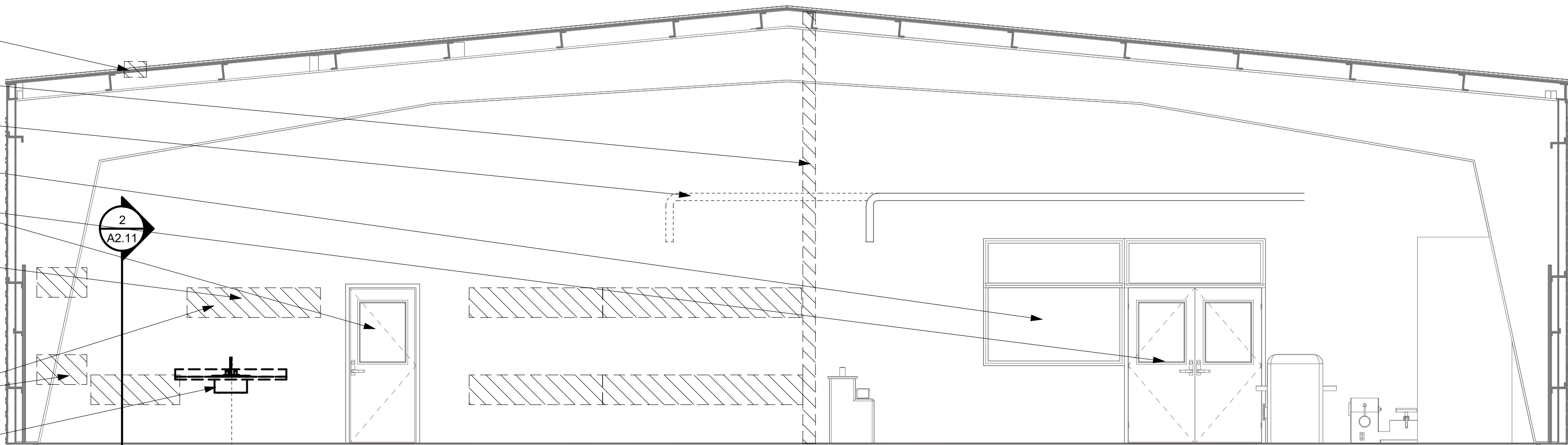
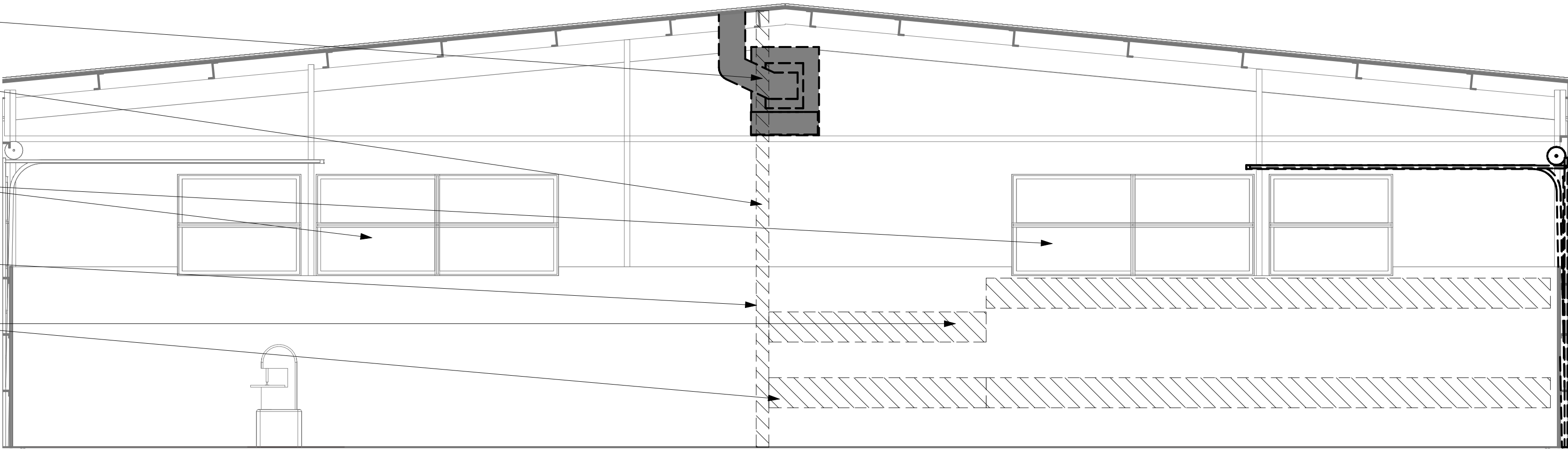
DOORS AND WINDOWS TO REMAIN

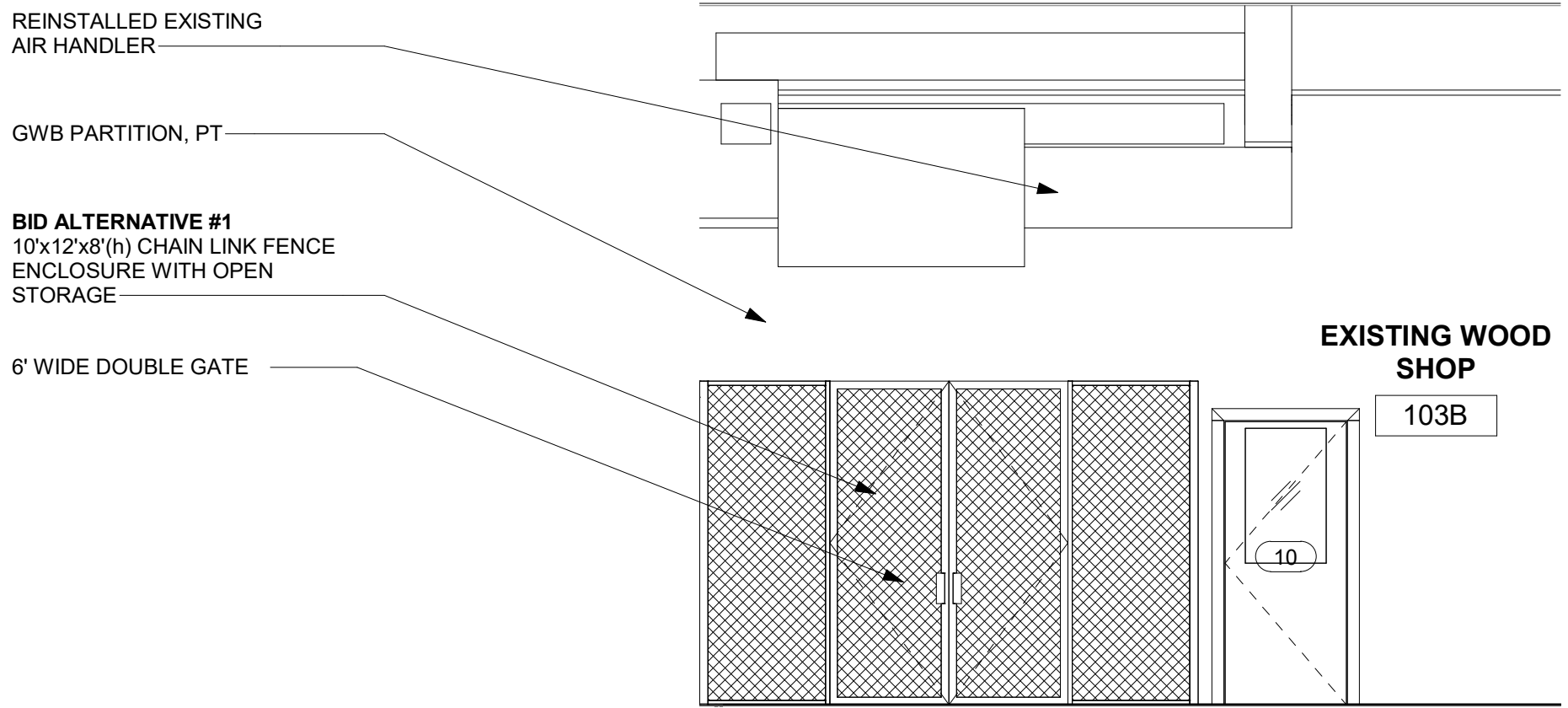
3 WOOD SHOP - WEST ELEVATION DEMOLITION
1/4" = 1'-0"

EXISTING SINK TO BE REMOVED, NEW 3 BASIN SINK TO ALIGN WITH EXISTING PLUMBING

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

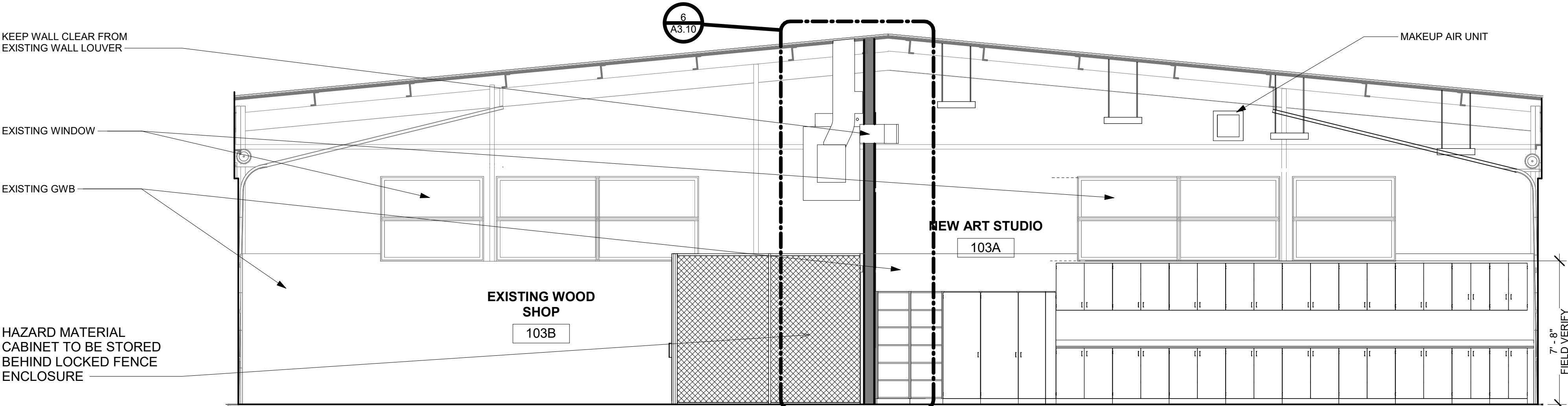
4 WOOD SHOP - EAST ELEVATION DEMOLITION
1/4" = 1'-0"



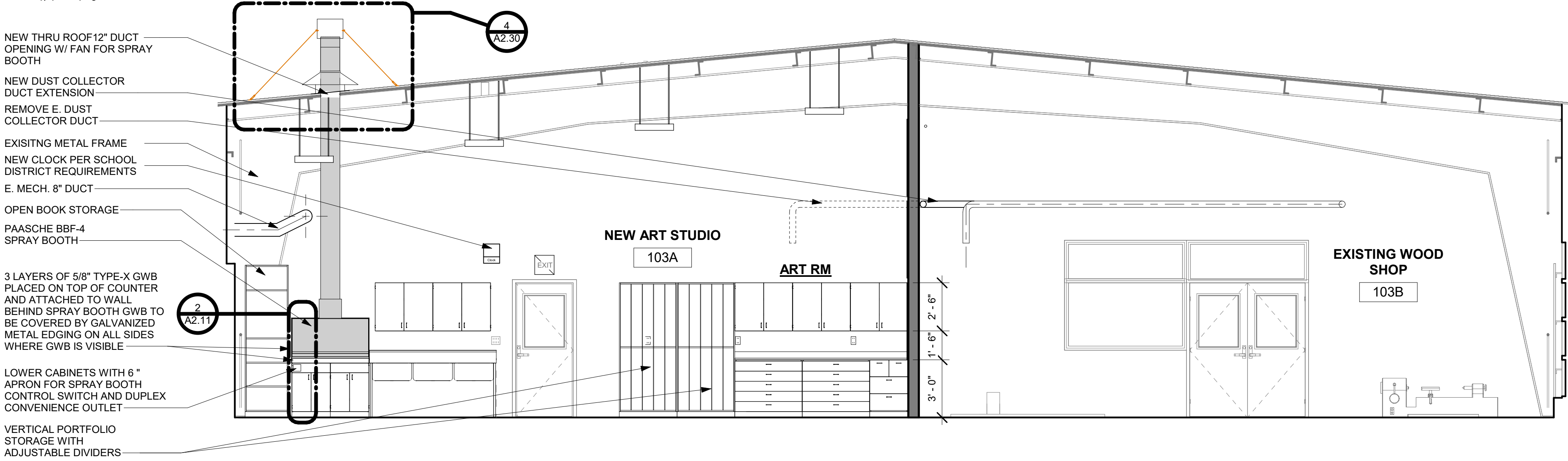


5 103B WOOD SHOP - EAST ELEVATION
1/4" = 1'-0"

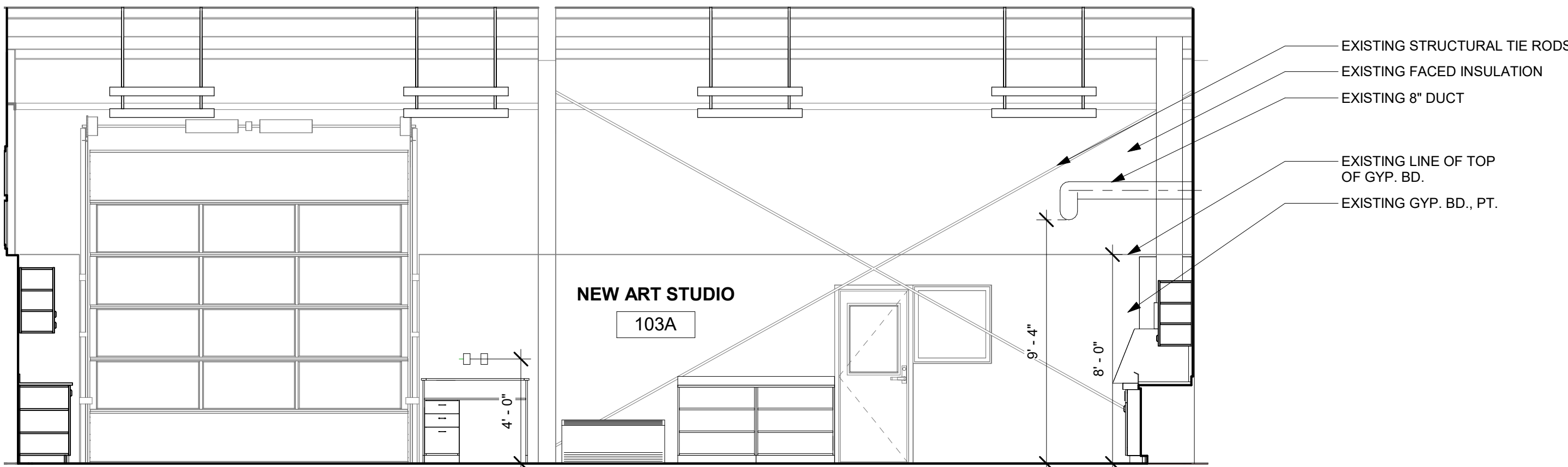
NEW AND EXISTING CONSTRUCTION LEGEND	
	EXISTING, TO REMAIN. NO WORK, TYP.
	NEW WORK
	F.O.I.C.
	F.O.I.O.



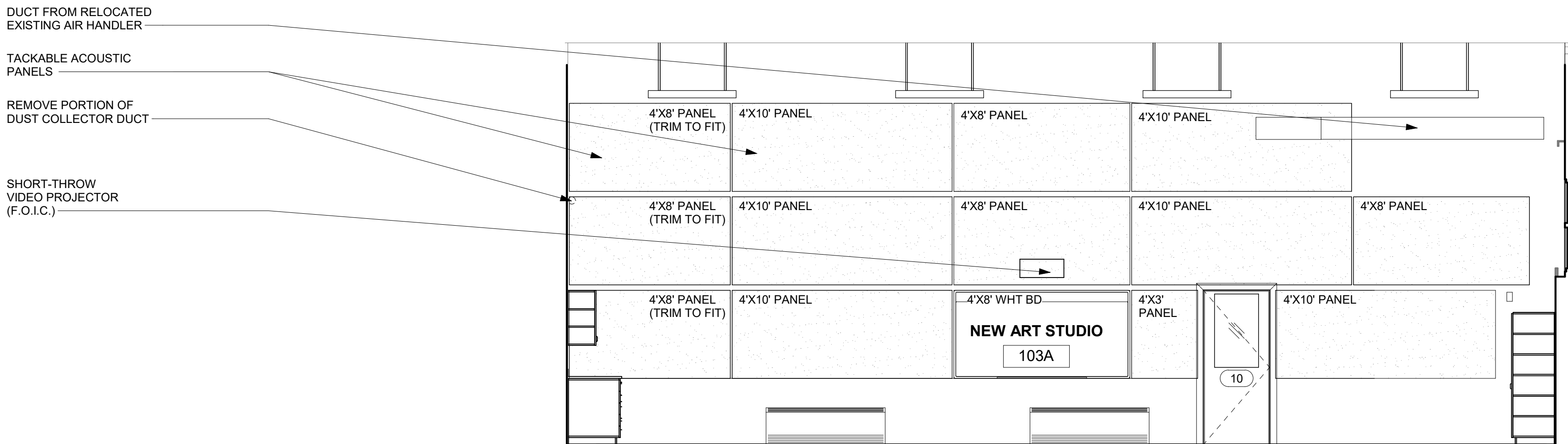
1 ART CLASSROOM 103A / WOOD SHOP 103B NORTH ELEVATION
1/4" = 1'-0"



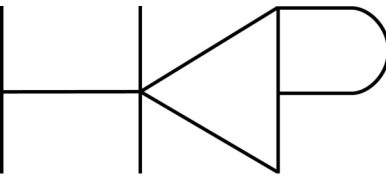
2 ART CLASSROOM 103A / WOOD SHOP 103B SOUTH ELEVATION
1/4" = 1'-0"



3 ART CLASSROOM 103A EAST ELEVATION
1/4" = 1'-0"

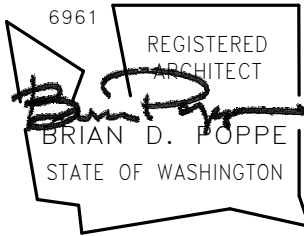


4 ART CLASSROOM 103A WEST ELEVATION
1/4" = 1'-0"



architects

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



Owner:
SAN JUAN ISLAND SCHOOL
DISTRICT
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

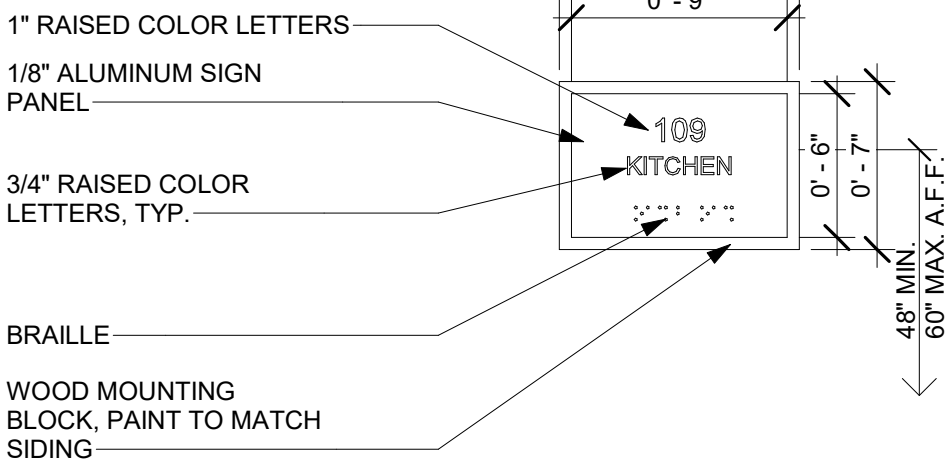
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A8.10

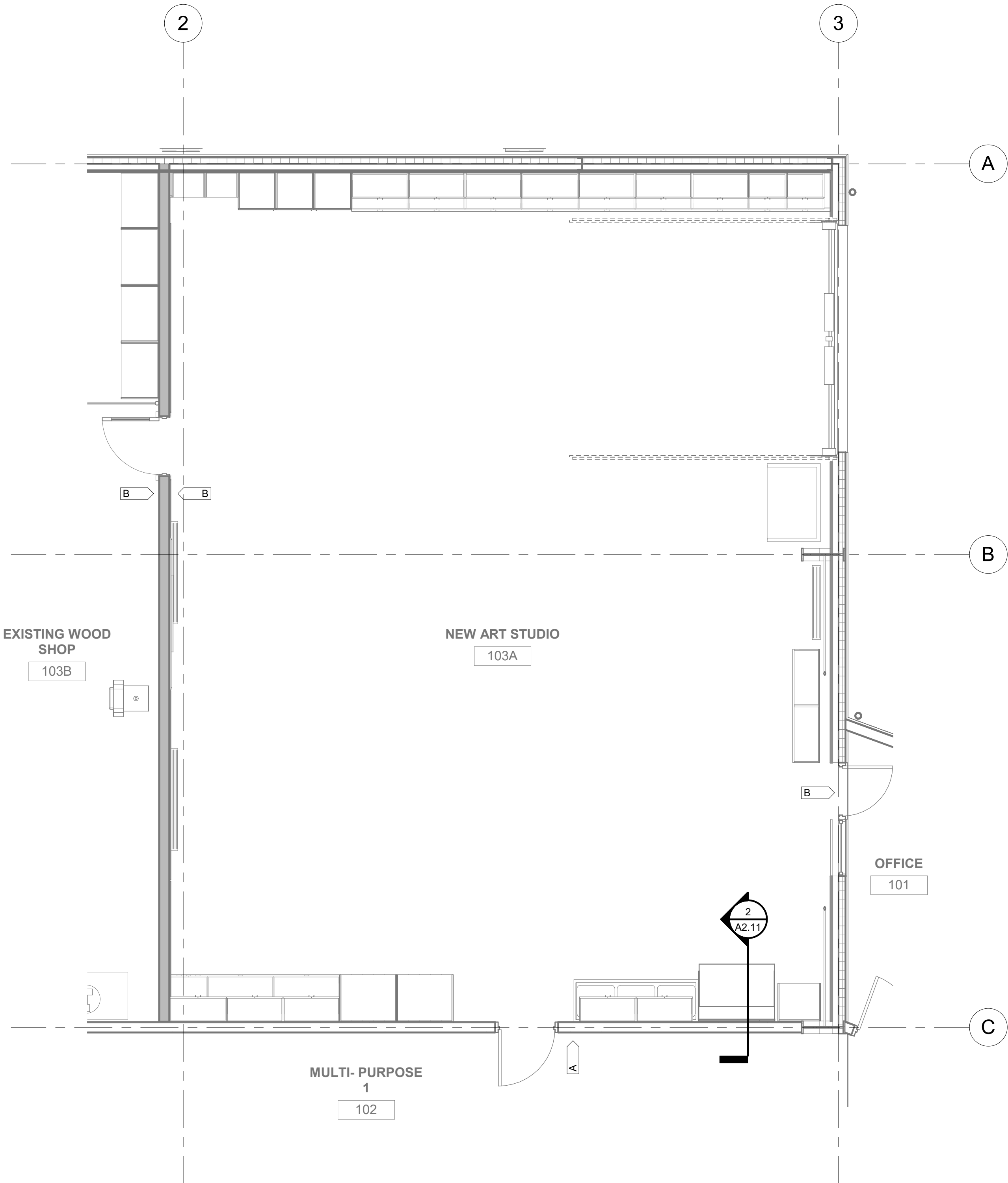
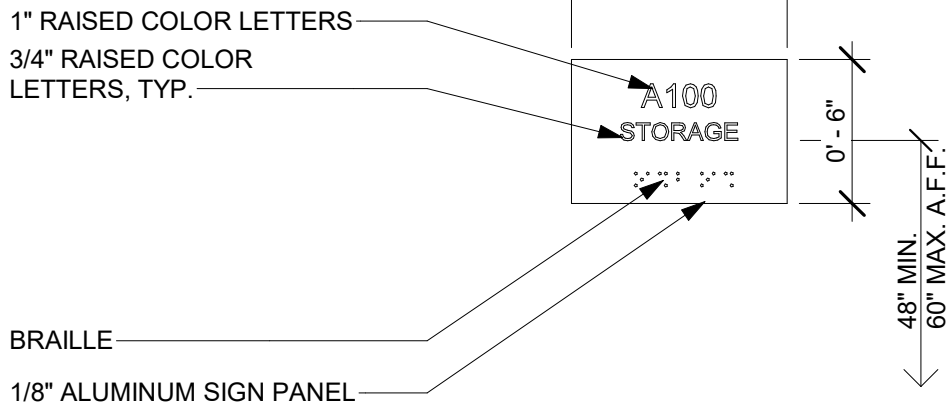
SIGNAGE TYPES

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

A EXTERIOR ROOM IDENTIFICATION



B INTERIOR ROOM IDENTIFICATION



1 SIGNAGE PLAN
1/4" = 1'-0"

SIGNAGE SCHEDULE1					
TYPE	QTY.	TEXT 1	TEXT 2	TEXT 3	NOTES
A	1	CONFIRM ROOM NUMBER WITH OWNER	CONFIRM ROOM NAME WITH OWNER	TBD	SIGNAGE MANUFACTURER TO PROVIDE ALL BRAILLE TRANSLATION
B	3	CONFIRM ROOM NUMBER WITH OWNER	CONFIRM ROOM NAME WITH OWNER	TBD	SIGNAGE MANUFACTURER TO PROVIDE ALL BRAILLE TRANSLATION

NOTES (APPLICABLE TO ALL ELECTRICAL DRAWINGS):

- ALL SYSTEMS, EQUIPMENT, DEVICES, RACEWAYS, CABLES, ETC. INDICATED ARE NEW UNLESS NOTED OTHERWISE.
- 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 & UNOBTUSIVELY AS POSSIBLE, SUPPORTED AS REQUIRED, PARALLEL OR AT RIGHT ANGLES TO CEILINGS, WALLS & STRUCTURAL MEMBERS.
- RACEWAYS SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE:
 - INTERIOR ACCESSIBLE CONCEALED SPACES - ELECTRICAL METALLIC TUBING (EMT) WITH FLEXIBLE METAL CONDUIT (FLEX) FOR FINAL CONNECTIONS TO VIBRATING EQUIPMENT.
 - INTERIOR, EXPOSED IN UTILITY ROOMS & OTHER NON-PUBLIC SPACES - ELECTRICAL METALLIC TUBING (EMT).
 - EXTERIOR ABOVE GRADE - GALVANIZED RIGID STEEL CONDUIT (GRS).
 - EXTERIOR BELOW GRADE - SCHEDULE 40 POLYVINYL CHLORIDE CONDUIT (PVC), EXCEPT CONDUIT BENDS & RISERS SHALL BE GALVANIZED RIGID STEEL (GRS).
- 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:
 - 3/4" - BRANCH CIRCUITS, EXCEPT AS NOTED ELSEWHERE.
 - 1" - TELECOMMUNICATIONS RACEWAYS TERMINATING IN A SINGLE DEVICE.
 - 1 1/4" - TELECOMMUNICATIONS RACEWAYS SERVING MULTIPLE DEVICES.
- FLEX MAY BE SUBSTITUTED FOR EMT WHEN RUN CONCEALED WITHIN WALLS & CEILINGS. FLEX SHALL NOT BE USED FOR HOME RUNS.
- 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 SPECIFICALLY NOTED OTHERWISE) WITH 600V TYPE USE/RH/RHW OR XHHW INSULATION.
- BRANCH CIRCUIT CABLES, EQUIPMENT GROUND CABLES AND ABOVE GRADE FEEDER CABLES SHALL BE 1/C COPPER, #12 AWG UNLESS NOTED OTHERWISE, WITH 600V TYPE XHHW OR THHN/THWN INSULATION.
- 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.
- 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.
- 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.
- PROTECT "OPEN" CABLE WIRING FROM ROUGH AND/OR SHARP EDGES ON SUPPORTS, STRUCTURAL MEMBERS, ETC. AS REQUIRED DURING INSTALLATION.
- 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.
- 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.
- 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.
- PAINT ALL SURFACE RACEWAYS TO MATCH BUILDING SURFACE.

DEMOLITION NOTES:

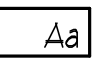

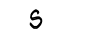
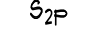
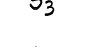






- CONTRACTOR SHALL REMOVE EXISTING EQUIPMENT, FIXTURES, DEVICES, ETC. AS INDICATED IN THE WORK AREA AND ALL ASSOCIATED CONDUIT, BOXES, CABLES, ETC. SHALL BE REMOVED TO THEIR POINT OF ORIGIN &/OR DESTINATION, EXCEPT:
 - CONCEALED CONDUITS MAY BE ABANDONED IN PLACE. CABLES HOWEVER SHALL BE REMOVED WITH A PULL ROPE ADDED AND THE CONDUIT SHALL BE CAPPED AND LABELED (WHERE IT GOES) ON EACH END.
- EXISTING FEEDERS, CIRCUITS, CONDUITS, CABLES, ETC. INTERRUPTED DUE TO THE SYSTEM UPGRADE SHALL BE RE-CONNECTED AS REQUIRED TO MAINTAIN THE ORIGINAL FUNCTION.
- 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 ROUTING
CM	TELECOM SYSTEM HORIZONTAL CABLE	CAT6 FOILED/UNSHIELDED TWISTED PAIRS (F/UTP)	GRAY JACKET	CMR	OPEN OR COMBINATION OPEN & RACEWAY
C	CLOCK/INTERCOM SYSTEM CABLE	CAT5E UNSHIELDED TWISTED PAIRS (UTP)	GRAY JACKET	CMR	OPEN OR COMBINATION OPEN & RACEWAY

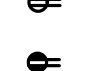
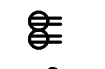
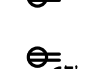







- NOTES:
- ALL CABLING SHALL BE IN RACEWAYS, EXCEPT CABLES LISTED FOR THE PURPOSE MAY BE RUN OPEN IN CEILING SPACES.
 - CONFIRM CABLES WITH FIRE ALARM AND CLOCK/BELL/INTERCOM SYSTEM PROVIDERS PRIOR TO PURCHASING AND INSTALLATION.

ELECTRICAL LEGEND



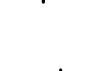




LIGHTING

-  **A8** CHAIN HUNG LED TROFFER (A8 = FIXTURE TYPE A CONTROLLED BY SWITCH S⁸, TYPICAL)
-  COMBINATION EMERGENCY LIGHTING UNIT/LIGHTED EXIT SIGN
- SWITCHING**
-  **S** SINGLE-POLE SWITCH
-  **S_{2P}** DOUBLE-POLE SWITCH
-  **S₃** THREE-WAY SWITCH
-  **S** LOW VOLTAGE SWITCH
-  **Ⓢ** LIGHTING MOTION DETECTOR, CEILING MTD.
-  **Ⓢ** PHOTOELECTRIC CONTROLLER
-  **Ⓢ** LIGHTING CONTROL POWER PACK
-  **Ⓢ** CONTROLLED RECEPTABLES SLAVE POWER PACK '15'
-  **S** ROUTE TO SLAVE POWER PACK SHOWN ON LIGHTING DRAWING




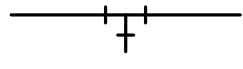
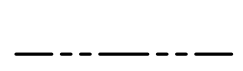
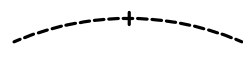
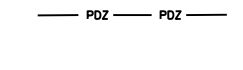



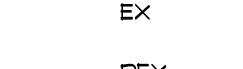









OUTLETS

-  DUPLEX OUTLET, TAMPER-RESISTANT
-  DUPLEX OUTLET, TAMPER-RESISTANT, SWITCHED TYPE
-  DOUBLE DUPLEX OUTLET, TAMPER-RESISTANT
-  DUPLEX OUTLET, TAMPER-RESISTANT, CEILING MTD.
-  DUPLEX OUTLET, TAMPER-RESISTANT, GROUND FAULT INTERRUPTING TYPE
-  DUPLEX OUTLET, TAMPER-RESISTANT, WEATHERPROOF
-  SPECIAL PURPOSE OUTLET
-  WIRELESS ACCESS POINT OUTLET (WIRELESS ACCESS POINT FURNISHED BY OWNER, INSTALLED BY CONTRACTOR)
-  TELECOMMUNICATIONS OUTLET, FLUSH MOUNTED (2C = 2 TELECOM CABLES, TYPICAL)
-  AUDIO VIDEO OUTLET WITH HDMI JACK

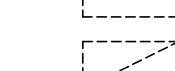


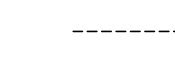
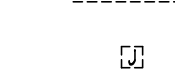




FIRE ALARM

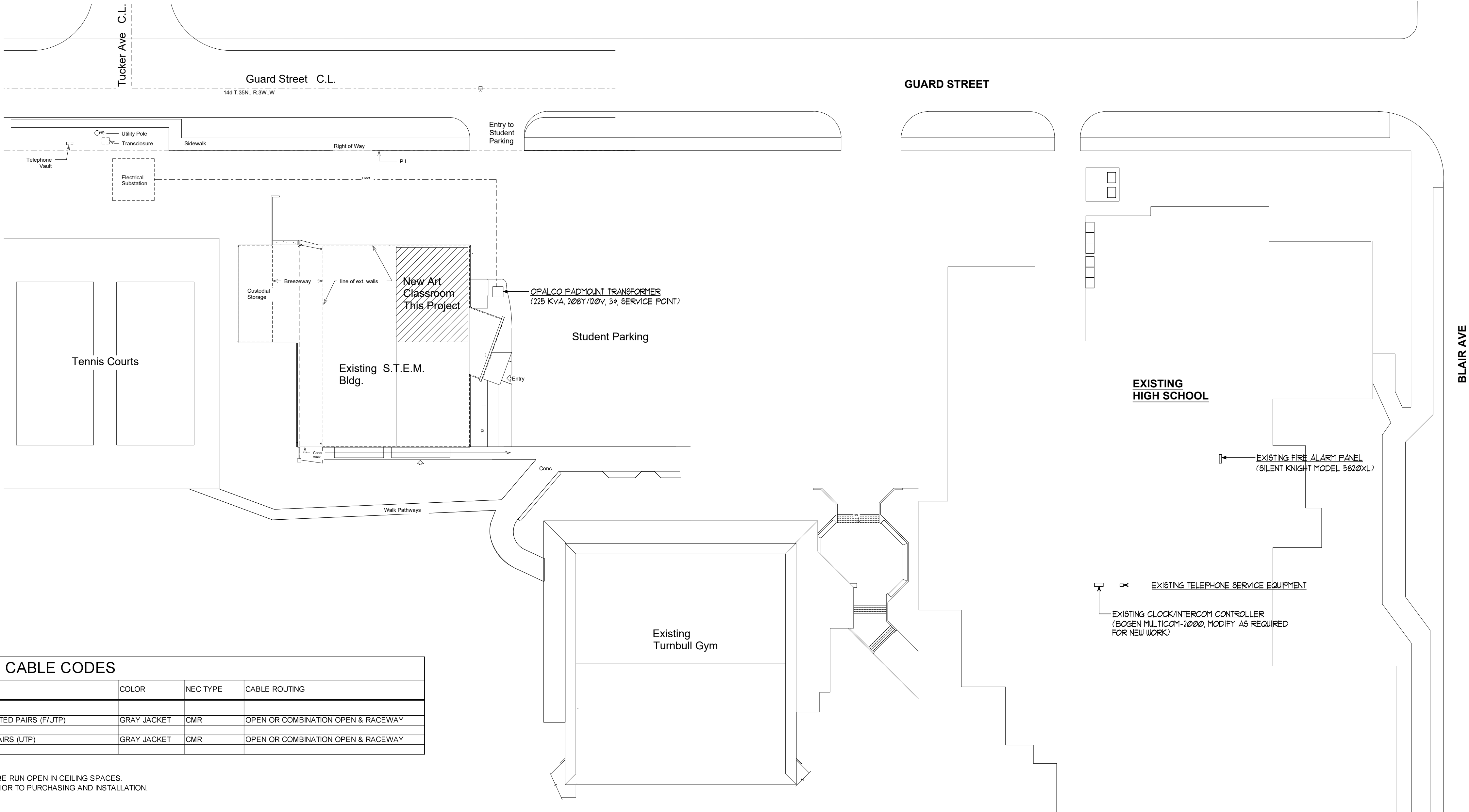
-  FIRE ALARM MANUAL PULL STATION
-  FIRE ALARM STROBE LIGHT
-  COMBINATION FIRE ALARM HORN & STROBE, CEILING MTD.
-  COMBINATION FIRE ALARM HORN & STROBE, WALL MTD. (Bcd UNLESS NOTED OTHERWISE)
-  FIRE ALARM SMOKE DETECTOR
-  FIRE ALARM FIXED TEMP. HEAT DETECTOR
-  FIRE ALARM RATE OF RISE HEAT DETECTOR

MISCELLANEOUS

-  BRANCH CIRCUIT, ABOVE GRADE, CONCEALED (OR SIMILAR, SLASHES = NO. OF CIRCUIT CONDUCTORS WHERE APPLICABLE)
-  BRANCH CIRCUIT, ABOVE GRADE, EXPOSED (OR SIMILAR, SLASHES = NO. OF CIRCUIT CONDUCTORS WHERE APPLICABLE)
-  HOMERUN TO LOCATION INDICATED, CONCEALED (TYPICAL)
-  HOMERUN TO LOCATION INDICATED, EXPOSED (TYPICAL)
-  BRANCH CIRCUIT, CONDUIT BODY
-  BELOW FLOOR/GRADE CONDUIT
-  GROUND CABLE
-  CABLE RUN 'OPEN' IN ACCESSIBLE CEILING SPACE (SLASHES = No. & TYPE OF CABLES WHERE APPLICABLE)
-  PRIMARY DAYLIGHT ZONE
-  SECONDARY DAYLIGHT ZONE
-  JUNCTION BOX
-  DISCONNECT SWITCH
-  WEATHER PROOF
-  EXISTING TO REMAIN
-  REPLACE EXISTING
-  FUTURE
-  CONDUIT ONLY
-  PUSHBUTTON OR CONTROL STATION
-  SPEAKER ASSEMBLY
-  COMBINATION SPEAKER/CLOCK ASSEMBLY

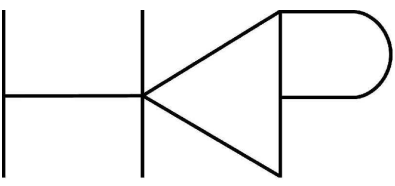
DEMOLITION

- (DASHED LINES INDICATE EXISTING TO BE REMOVED 1/OR RELOCATED. SOLID LINES INDICATE NEW OR EXISTING TO REMAIN)
-  LUMINAIRE, SURFACE MTD.
-  TROFFER, RECESSED
-  LIGHT SWITCH
-  SPECIAL PURPOSE CONNECTION
-  DUPLEX OUTLET
-  BRANCH CIRCUIT CONDUIT OR CABLE
-  SURFACE METAL RACEWAY (SMR)
-  JUNCTION BOX, SMR TYPE
-  JUNCTION BOX



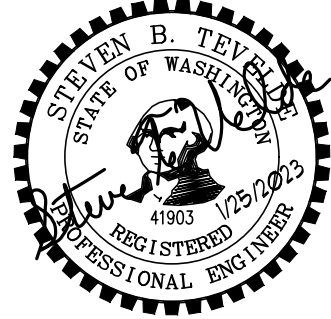
ELECTRICAL - SITE PLAN

SCALE: 1" = 30'-0"



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Bus. (360) 354-4757
FAX (360) 354-6794

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DISTRICT
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Project Title:
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Sheet Contents:

ELECTRICAL -
SITE PLAN, LEGEND
& NOTES

Revisions:

Rev. Date

Drawn By: KL

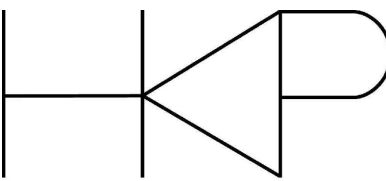
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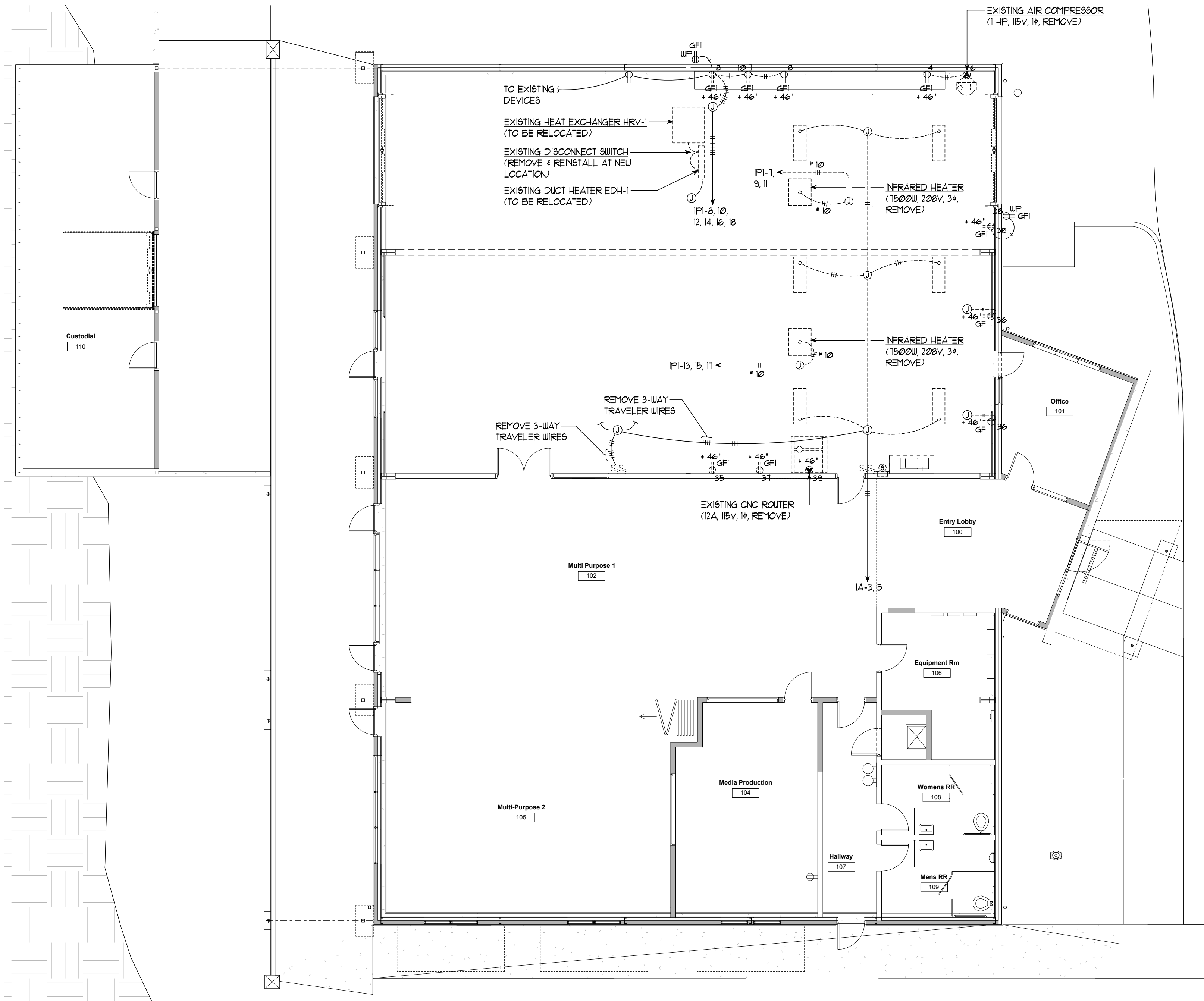
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Sheet Contents:
ELECTRICAL -
DEMOLITION PLAN

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Rev. Date

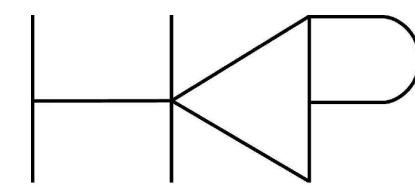
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ELECTRICAL - DEMOLITION PLAN

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



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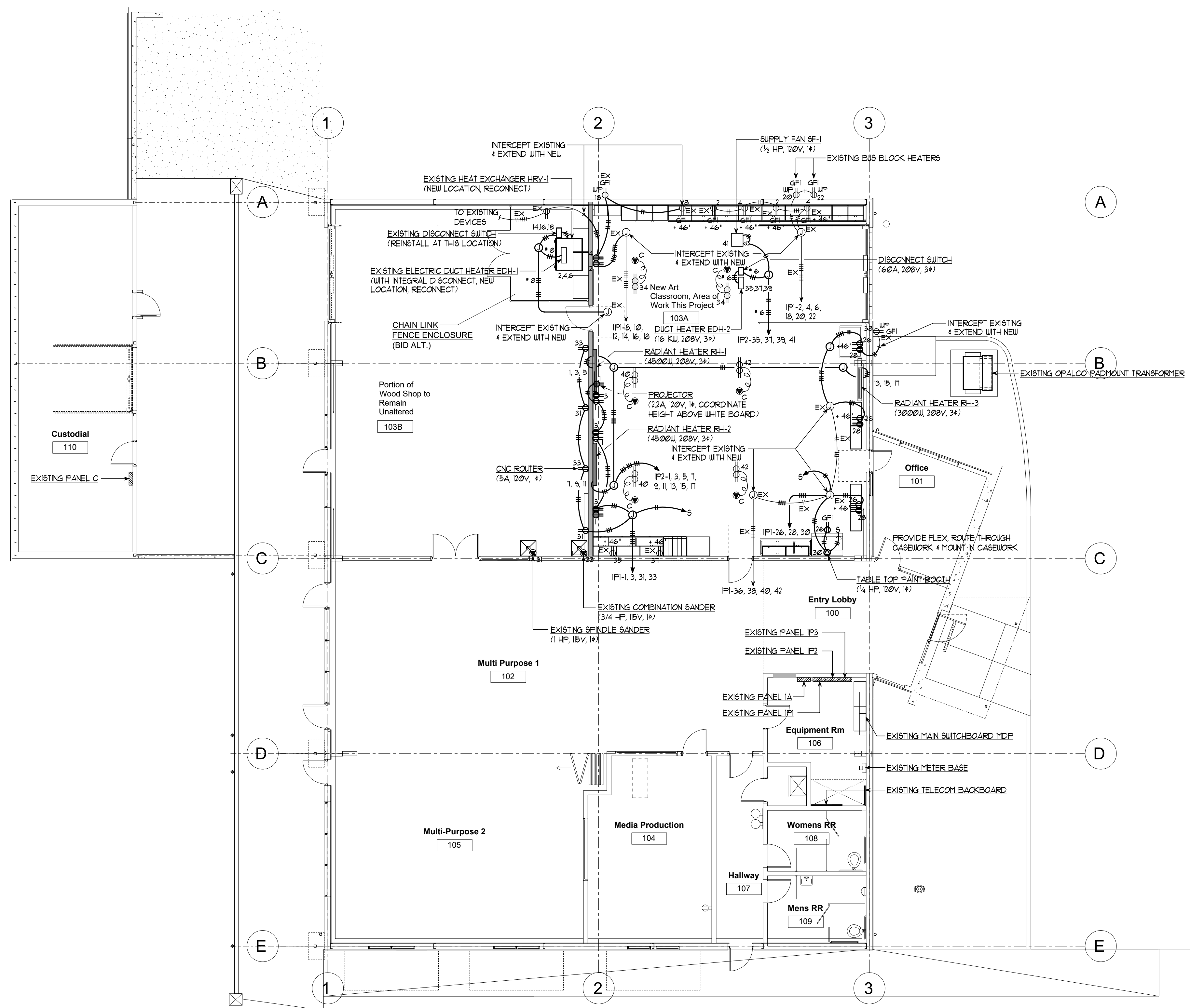
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Sheet Contents:
ELECTRICAL -
POWER PLAN

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Rev. Date

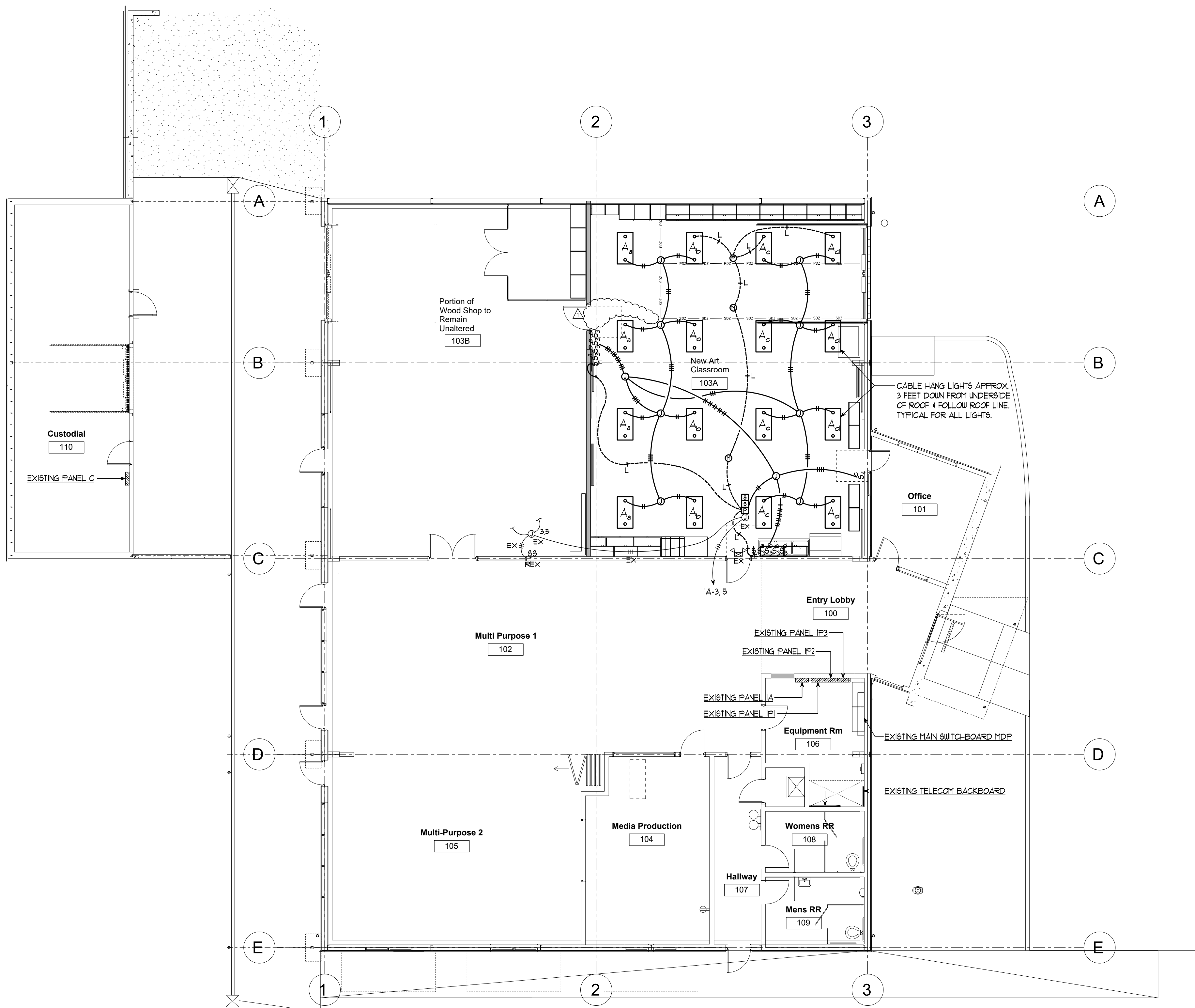
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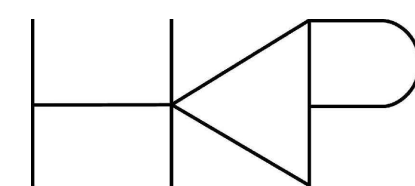


ELECTRICAL - POWER PLAN

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

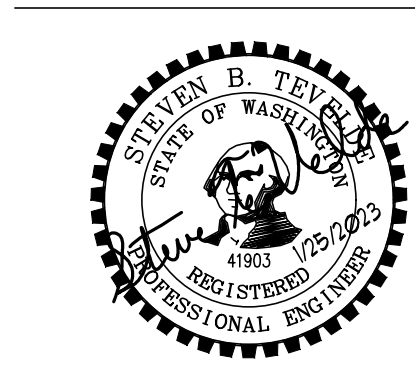


ELECTRICAL - LIGHTING PLAN
SCALE: 1/8" = 1'-0"



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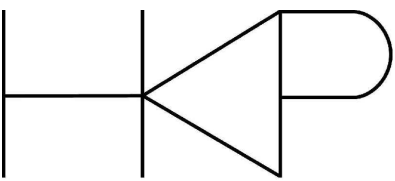
Sheet Contents:
ELECTRICAL -
LIGHTING PLAN

Revisions:
Rev. Date

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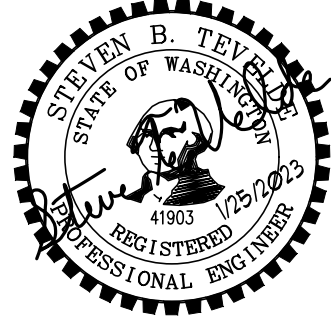
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Sheet Contents:

ELECTRICAL -
LIGHTING DETAILS
& SCHEDULES

Revisions:

Rev. Date

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Date: 01/25/2023

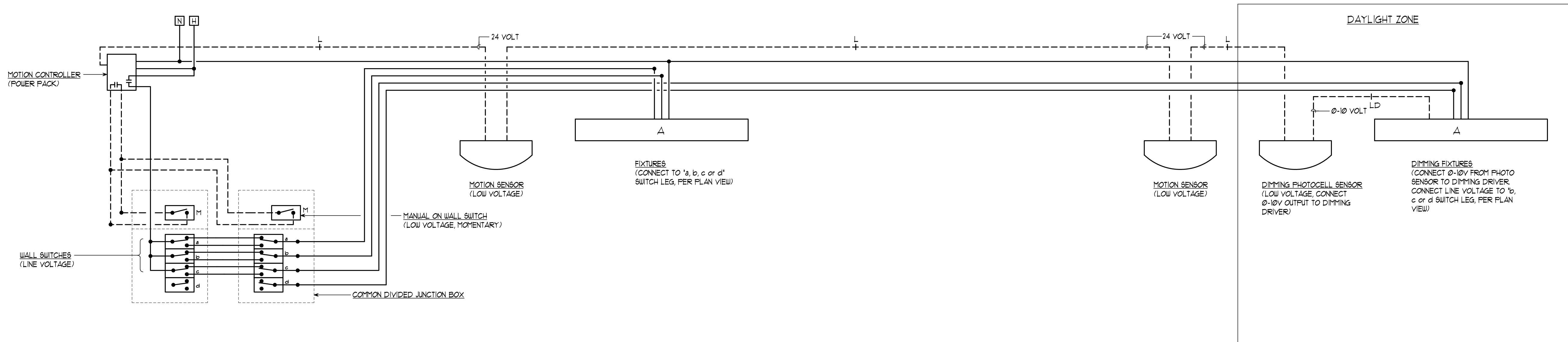
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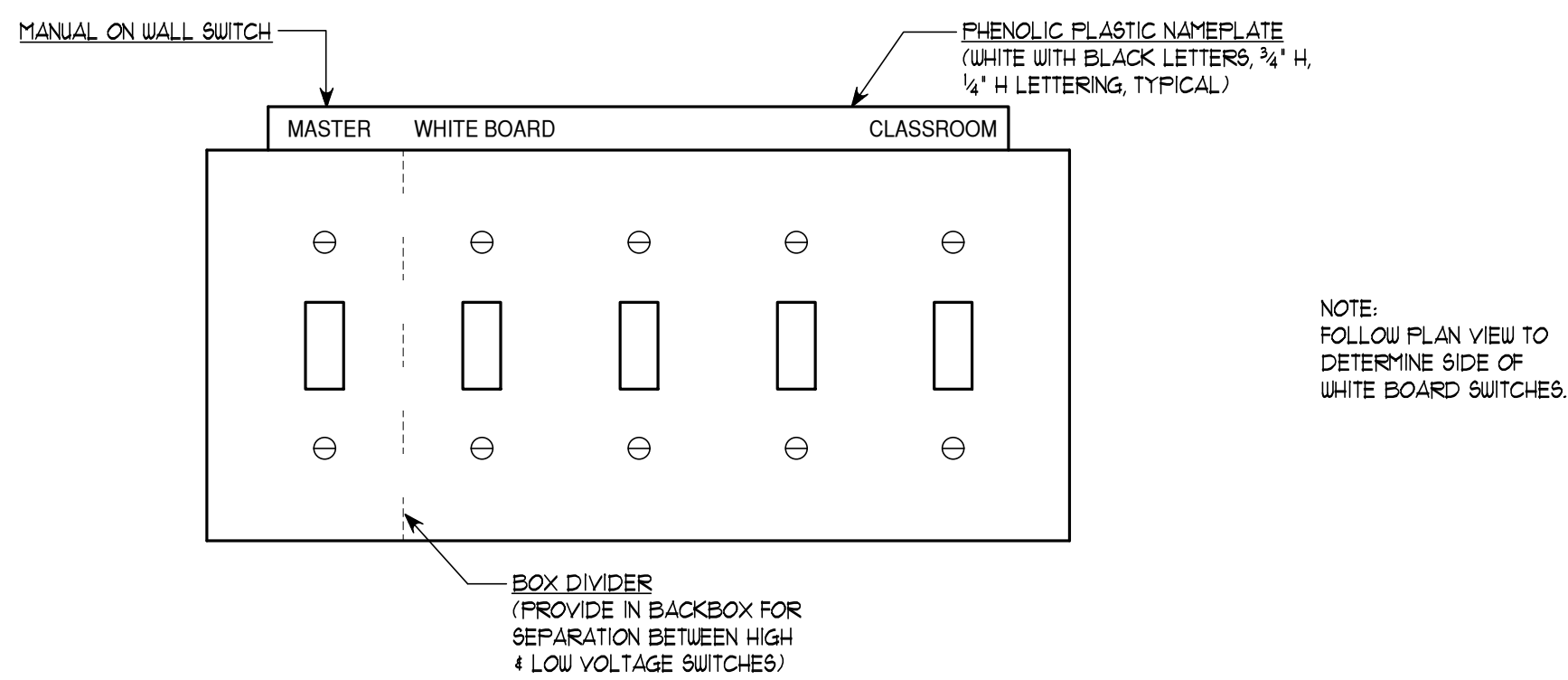
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RI



ELECTRICAL - TYPICAL CLASSROOM WIRING DIAGRAM

SCALE: None



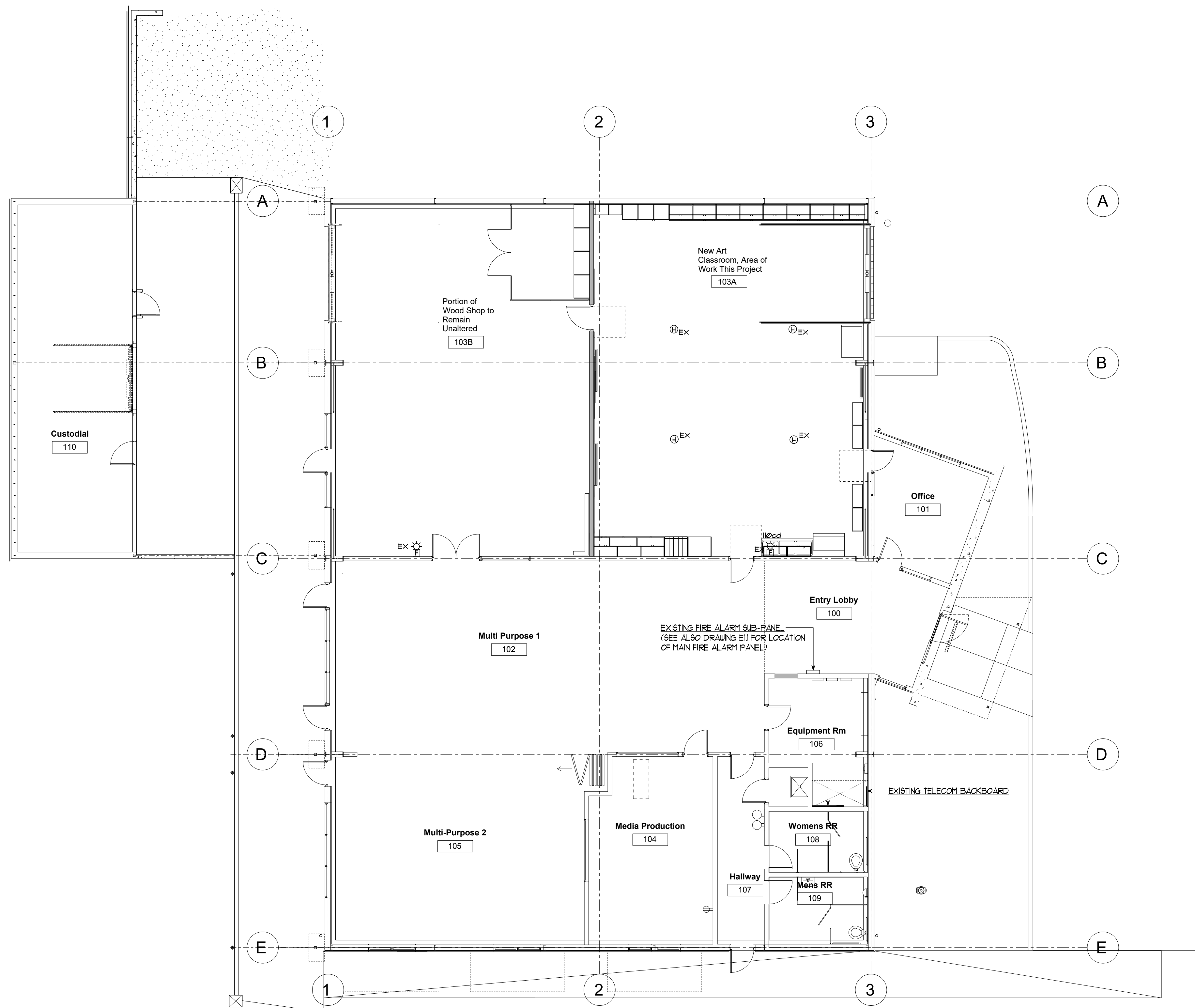
ELECTRICAL - TYPICAL CLASSROOM SWITCH PLATE

SCALE: NTS

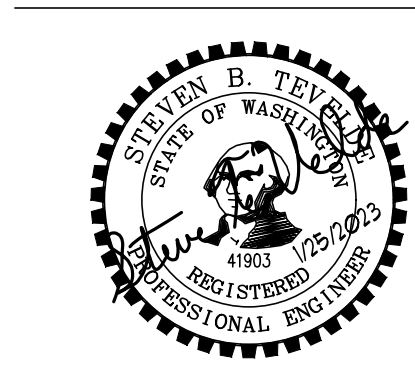
LIGHTING FIXTURE SCHEDULE						
TYPE	DESCRIPTION	VOLTS	MANUFACTURER & CAT. NO. (OR APPROVED EQUAL)	LAMP(S)	LOADS	
					WATTS	VA
A	LED DIRECT/INDIRECT TROFFER, CABLE SUSPENDED MTD., 2'x4' x4.5\"/>	120	COLUMBIA LCAT24-850VLCM-EDU- CMA48V2800L-KFE (METALUX 24C22-75-S-UNV-L950-CD1-U SK-24-WS)	LED 5000K (NTEGRAL)	53	56
B						
C						
Y						
Z						

NOTES:

1. CABLES IN FIXTURE WHIPS FURNISHED BY THE MANUFACTURER WITH THE FIXTURES SHALL NOT BE SMALLER THAN #14 AWG, AND SHALL INCLUDE A SEPARATE GROUND CONDUCTOR SIZED THE SAME AS THE CIRCUIT CONDUCTORS.
2. CONTRACTOR & LIGHTING FIXTURE SUPPLIER SHALL VERIFY DESCRIPTION, MOUNTING REQUIREMENTS, CATALOG NUMBERS, ETC. MATCH, ADVISE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
3. ALL LED 0-10V DIMMING DRIVERS SHALL BE COMPATIBLE WITH MOTION CONTROLLERS, PHOTO-CONTROLLERS, DIMMER SWITCHES, ETC.



ELECTRICAL - ANCILLARIES PLAN
SCALE: 1/8" = 1'-0"



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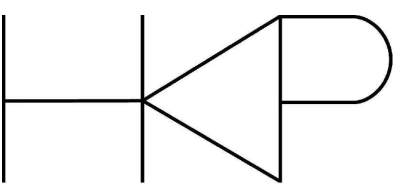
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ELECTRICAL -
ANCILLARIES PLAN

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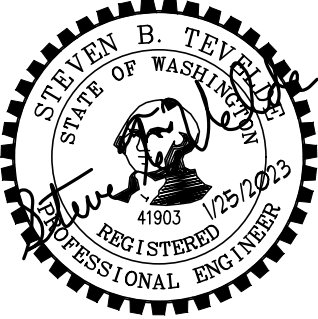
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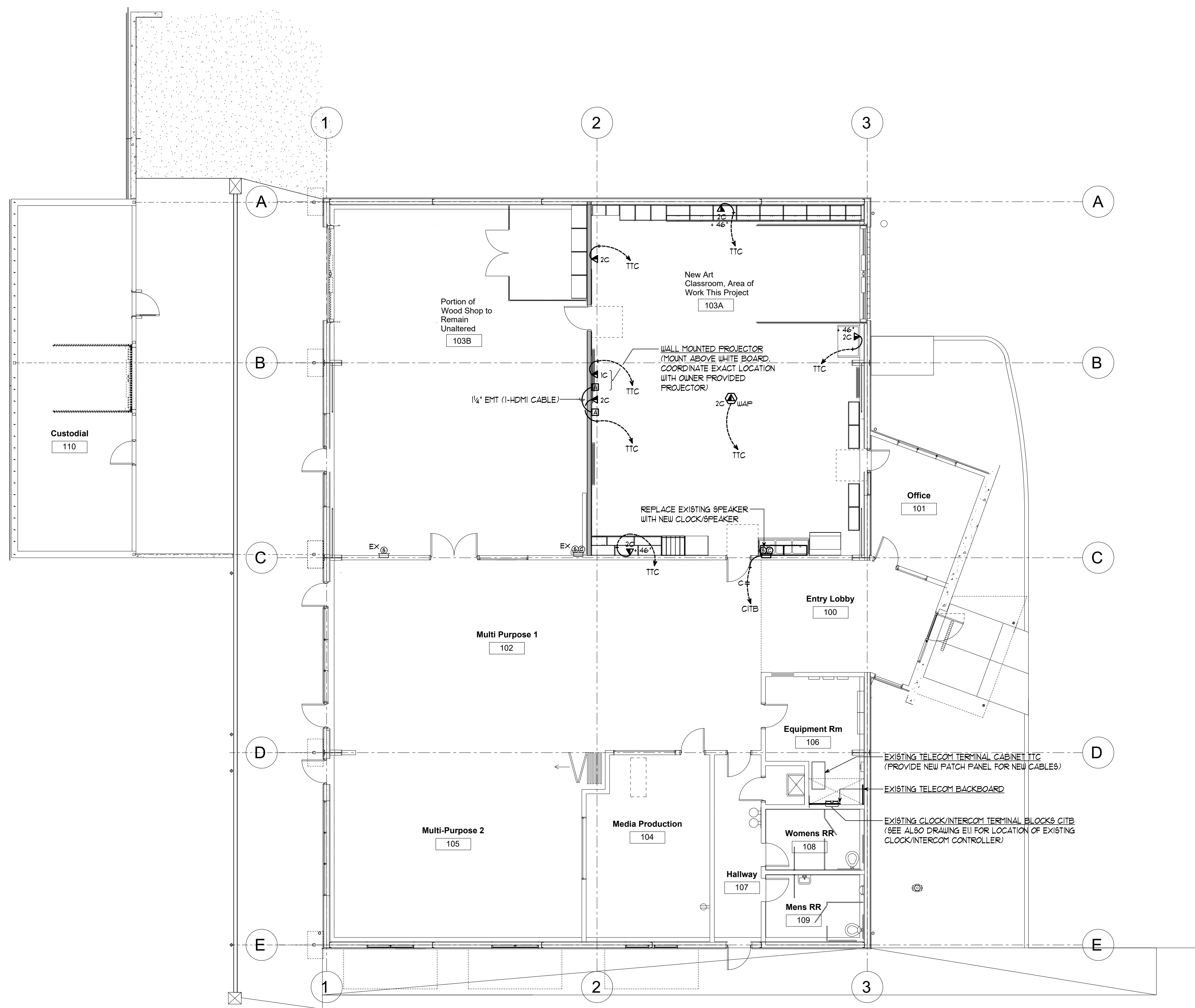
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Sheet Contents:
ELECTRICAL -
TELECOM PLAN

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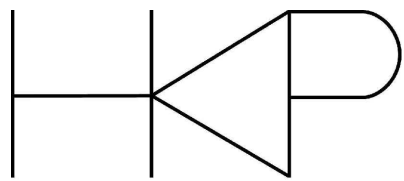
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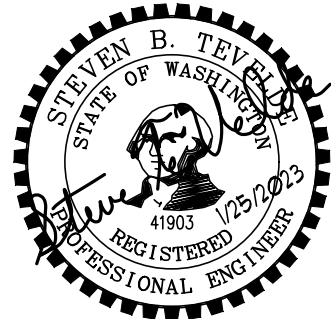
ELECTRICAL - TELCOM PLAN

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Sheet Contents:
ELECTRICAL -
TELECOM DETAILS

Revisions:

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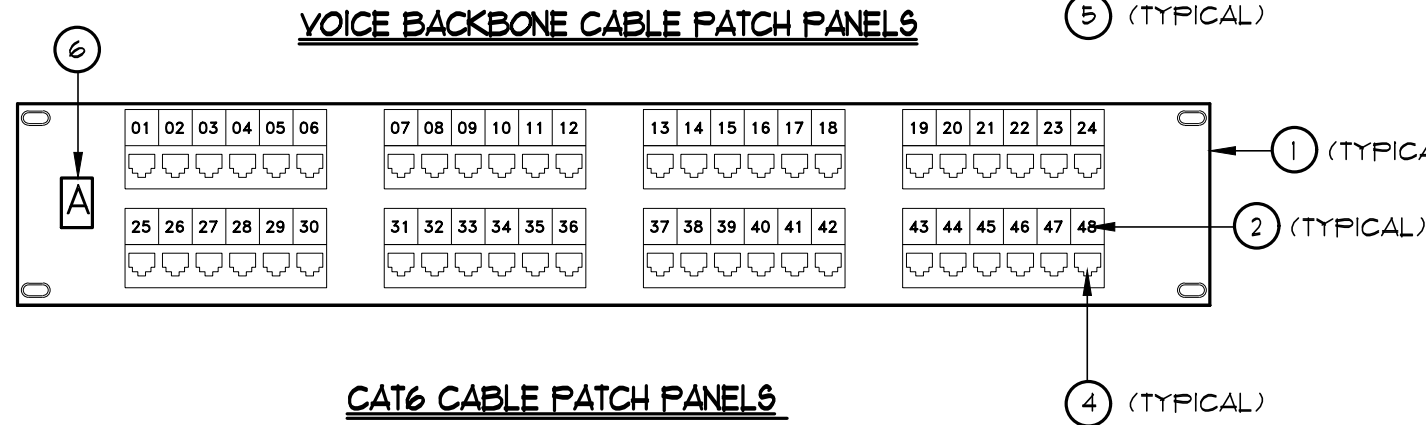
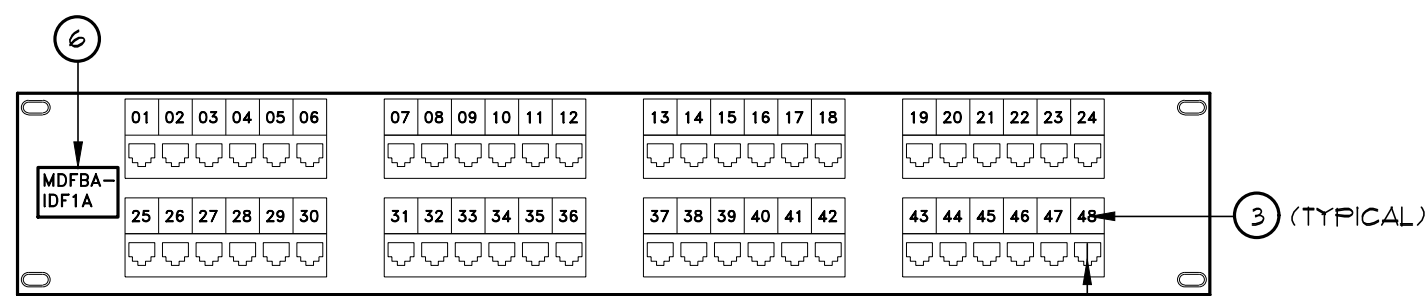
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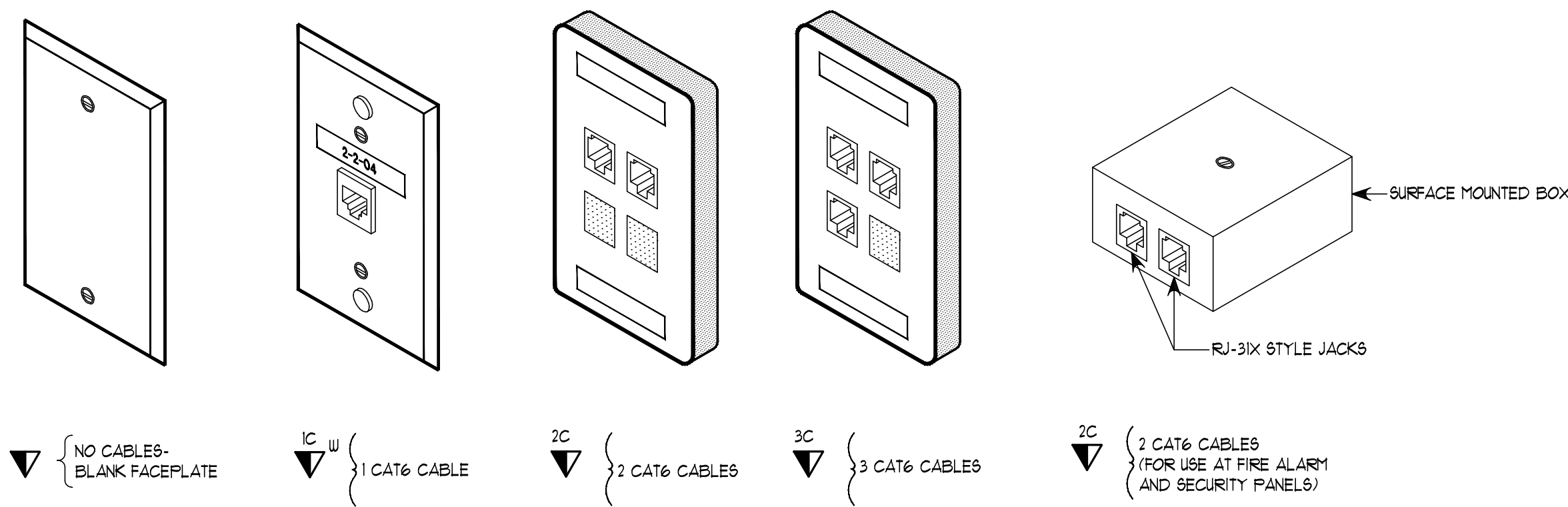


- STEEL BACK PLATE, 20 HIGH, BLACK COLOR
- LABEL PAPER, NON-ADHESIVE, BLUE COLOR, PRINTED TEXT AS APPROVED BY OWNER, INSERTED INTO TRANSPARENT LABEL HOLDER
- LABEL PAPER, NON-ADHESIVE, WHITE COLOR, PRINTED TEXT AS APPROVED BY OWNER, INSERTED INTO TRANSPARENT LABEL HOLDER
- 8-POSITION, 8-CONDUCTOR JACK (RJ-45), CAT6A APPLICATIONS, T568B, NON-KEYED.
- 8-POSITION, 2-CONDUCTOR JACK (RJ-11), VOICE APPLICATIONS.
- LABEL, PHENOLIC PLASTIC, ADHESIVE, BLACK TEXT ON WHITE LABEL.

MODULAR PATCH PANEL COMPONENT LEGEND

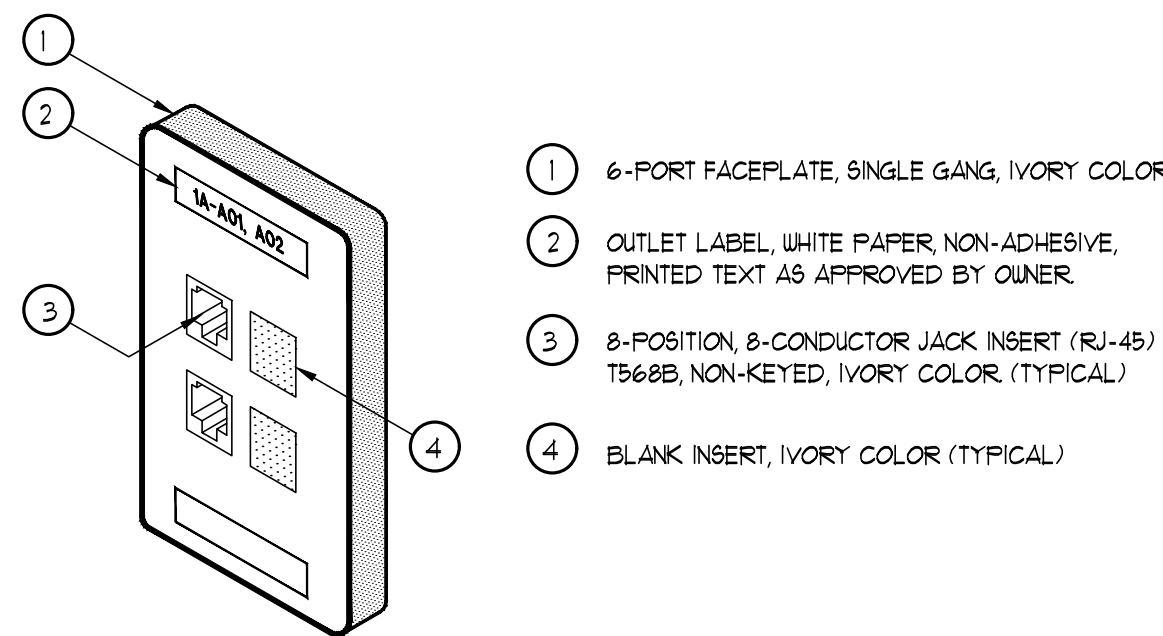
1 ELECTRICAL - TELECOM DETAILS

SCALE: NTS



TYPICAL COMMUNICATIONS OUTLET FACEPLATE CONFIGURATIONS

NO SCALE



COMMUNICATIONS OUTLET COMPONENT LEGEND

NOTES:

- TERMINATE ALL CONDUCTORS OF ALL CABLES ON RECEPTACLES (JACK INSERTS).
- 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 4/OR PROVIDE ADDITIONAL RACEWAYS AS REQUIRE IF 300' LIMITATION IS EXCEEDED.
- OTHER OUTLET FACEPLATE CONFIGURATIONS SHALL BE SIMILAR WITH SIMILAR CABLING REQUIREMENTS.

FORMAT: XY - A01

X --- FLOOR NUMBER WHERE TELECOM ROOM IS LOCATED. (EXAMPLE: B = BASEMENT, 1 = FIRST FLOOR, 2 = SECOND FLOOR, ETC.)

Y --- ALPHABETICAL DESIGNATION OF TELECOM ROOM. (EXAMPLE: A, B, C, ETC.)

A --- ALPHABETICAL DESIGNATION OF PATCH PANEL.

01 --- NUMERICAL DESIGNATION OF PATCH PANEL PORT.

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

COMMUNICATIONS OUTLET LABELING CONVENTION

2 ELECTRICAL - TELECOM DETAILS

SCALE: NTS



EXISTING PANEL 1P3, SECTION 3 (RIGHT)										ELECTRICAL ROOM				
VOLTAGE: 208Y120V, 3 PH, 4 W		FEEDER/BRANCH CIRCUIT DEVICES:			ELECTRICAL LOAD		CONN. LOAD (VA)		DEMAND					
TYPE: PANELBOARD		BOLT-ON CIRCUIT BREAKERS			CALCULATION		EXIST	NEW	TOTAL	FACTOR	LOAD (VA)			
ITE - CDP		FULL AIC RATING: 35,000 A			Lighting		672.0	0.0	672.0	1.25	840.0			
NEMA 1		SERIES AIC RATING: NONE			Gen. Purpose Outlets (First 10 KVA)		3060.0	2160.0	5220.0	1.00	5220.0			
ENCLOSURE: SURFACE					Gen. Purpose Outlets (Remainder)		0.0	0.0	0.0	0.50	0.0			
MOUNTING: SURFACE					Special Purpose Outlets		5700.0	720.0	6420.0	1.00	6420.0			
BUSSING: MANUFACTURER'S STANDARD CONTINUOUS RATING: 600 A FULL AIC RATING: 35,000 A SERIES AIC RATING: NONE		SPECIAL PROVISIONS: MASTER NAMEPLATE GROUND BAR			Mechanical Equipment		76770.3	28794.0	105564.3	1.00	105564.3			
					Kitchen Equipment & Appliances		0.0	0.0	0.0	1.00	0.0			
					Shop Equipment		23325.5	0.0	23325.5	1.00	23325.5			
					Welders - 2 Largest		0.0	0.0	0.0	1.00	0.0			
					Welder - 3rd Largest		0.0	0.0	0.0	0.85	0.0			
MAIN: LUGS ONLY LOCATION: TOP		PROVIDE NEW CIRCUIT BREAKER NUMBER LABELS & PANEL SCHEDULE			Welder - 4th Largest		0.0	0.0	0.0	0.70	0.0			
					Welders - Remainder		0.0	0.0	0.0	0.60	0.0			
					Miscellaneous		300.0	864.0	1164.0	1.00	1164.0			
					25% Largest Motor						954.7			
					TOTAL LOAD		109827.7	33538.0	143365.7		144488.4			
TOTAL AMPS				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	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	CONN. LOAD (VA)				
MAIN LUGS														
UNUSABLE SPACE				1	A	2	2253	PANEL 1P1, SECTION 1 - ELECTRICAL ROOM		8584.7				
				9	B	1				10046.1				
				3	A	4	2253	PANEL 1P2, SECTION 2 - ELECTRICAL ROOM		7101.1				
				1	B	1				22786.8				
				5	A	6	2253	SPARE		22073.8				
			5	B	1					0.0				
5478.4	AIR HANDLER UNIT AHU-1		80/2	7	A	8	60/2	HEAT PUMP HP-1		3536.0				
5478.4				9	B	10				3536.0				
5478.4	AIR HANDLER UNIT AHU-2		80/2	11	A	12	60/2	HEAT PUMP HP-2		3536.0				
				13	A	14				3536.0				
0.0	SPARE		50/2	15	B	16	40/2	SPARE		0.0				
0.0				17	C	18				0.0				
0.0	SPARE		20/3	19	A	20	50/3	HOT WATER HEATER		4503.3				
				21	B	22				4503.3				
0.0				23	A	24				4503.3				
				25	A	26	125/3	SPARE		0.0				
UNUSABLE SPACE				27	B	1				0.0				

NOTES:

- (1) REMOVE EXISTING CIRCUIT AND PROVIDE NEW CIRCUIT ON EXISTING CIRCUIT BREAKER.
- (2) REMOVE EXISTING CIRCUIT & MAKE CIRCUIT BREAKER SPARE
- (3) PROVIDE NEW CIRCUIT ON EXISTING SPARE CIRCUIT BREAKER.
- (4) REMOVE EXISTING SPARE CIRCUIT BREAKER AND PROVIDE NEW CIRCUIT & CIRCUIT BREAKER

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.

EXISTING PANEL C										ELECTRICAL ROOM					
VOLTAGE: 208Y120V, 3 PH, 4 W		FEEDER/BRANCH CIRCUIT DEVICES:				ELECTRICAL LOAD		CONN. LOAD (VA)		DEMAND		DEMAND			
TYPE: PANELBOARD		BOLT-ON CIRCUIT BREAKERS				CALCULATION		EXIST	NEW	TOTAL	FACTOR	LOAD (VA)			
ENCLOSURE: NEMA 1	MOUNTING: SURFACE	FULL AIC RATING: 22,000 A		NONE		Lighting		1080.0	0.0	1080.0	1.25	1350.0			
		SERIES AIC RATING: NONE				Gen. Purpose Outlets (First 10 KVA)		720.0	0.0	720.0	1.00	720.0			
						Special Purpose Outlets (Remainder)		0.0	0.0	0.0	0.50	0.0			
						Special Purpose Outlets		0.0	0.0	0.0	1.00	0.0			
						Mechanical Equipment		506.0	0.0	506.0	1.00	506.0			
						Kitchen Equipment & Appliances		0.0	0.0	0.0	1.00	0.0			
						Shop Equipment		0.0	0.0	0.0	1.00	0.0			
						Welders - 2 Largest		0.0	0.0	0.0	1.00	0.0			
						Welder - 3rd Largest		0.0	0.0	0.0	0.85	0.0			
						Welder - 4th Largest		0.0	0.0	0.0	0.70	0.0			
						Welders - Remainder		1785.1	0.0	1785.1	0.65	1071.6			
						Miscellaneous		0.0	0.0	0.0	1.00	0.0			
						25% Largest Motor						126.5			
						TOTAL LOAD		20171.1	0.0	20171.1		13421.5			
						TOTAL AMPS		56.0	0.0	56.0		37.3			
CONN. LOAD (VA)	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	BKR AMP/P	CKT NO	BUS (PHASE)	CKT NO	BKR AMP/P	FEEDER/BRANCH CIRCUIT DESCRIPTION	NOTE	CONN. LOAD (VA)					
MAIN CIRCUIT BREAKER															
600.0	LTG - CUSTODIAL		20/1	1	A	2	60/3	WELDER OUTLET		4083.0					
480.0	LTG - BREEZEWAY		20/1	3	B	4	I			4083.0					
0.0	SPARE		20/1	5	A	6	I			4083.0					
506.0	EXHAUST FAN EF-1		15/1	7	B	8	50/3	SPARE		0.0					
360.0	OUTLETS - CUST & BREEZEWAY, NORTH		20/1	9	A	10	I			0.0					
360.0	OUTLETS - CUST & BREEZEWAY, SOUTH		20/1	11	A	12	I			0.0					
0.0	SPARE		20/1	13	C	14	30/3	SPARE		0.0					
0.0	SPARE		20/1	15	B	16	I			0.0					
0.0	SPARE		20/1	17	A	18	I			0.0					
0.0	SPARE		20/1	19	A	20	60/2	PLASMA CUTTER		2808.0					
0.0	SPARE		20/1	21	B	22	I			2808.0					
0.0	SPARE		20/1	23	C	24	50/2	SPARE		0.0					
0.0	SPARE		20/1	25	A	26	I			0.0					
0.0	SPARE		20/1	27	B	28	30/2	SPARE		0.0					
0.0	SPARE		20/1	29	A	30	I			0.0					
0.0			SPACE	31	C	32	SPACE			0.0					
0.0			SPACE	33	B	34	SPACE			0.0					
0.0			SPACE	35	A	36	SPACE			0.0					
0.0			SPACE	37	B	38	SPACE			0.0					
0.0			SPACE	39	B	40	SPACE			0.0					
0.0			SPACE	41	C	42	SPACE			0.0					

E6.1