A REMODEL FOR:

FILER AUDITORIUM

299 US-30, Filer, ID 83328

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E1.0	ELECTRICAL PLAN
AV.1	AUDITORIUM AUDIO SYSTEM ONE-LINE
AV.2	AUDITORIUM AUDIO RACK ELEVATION

GENERAL NOTES:

1. ALL WORK SHALL MEET CURRENT ADOPTED STATE, LOCAL CODES, ORDINANCES, & 2018 IBC ALTERATION, LEVEL 1
2. ALL MECHANICAL, ELECTRICAL, & PLUMBING WORK SHALL MEET ALL CURRENT APPLICABLE STATE & LOCAL CODES.
3. ALL UTILITIES SHALL BE PROPERLY IDENTIFIED & LOCATED BEFORE WORK BEGINS ON PROJECT.
4. CONTRACTOR SHALL VERIFY ALL CONDITIONS & DIMENSIONS AT THE JOB SITE & NOTIFY THE ARCHITECT OF ANY DIMENSIONAL ERRORS, OMISSIONS, OR DISCREPANCIES BEFORE BEGINING OR FABRICATING ANY WORK.
5. DO NOT SCALE DRAWINGS.
6. ALL DOOR HANDLES SHALL BE LEVER TYPE, ALL DOOR HARDWARE SHALL BE A.D.A COMPLIANT AS PER CURRENT ANSI 117.1
7. AT MAIN ENTRANCE DOOR SHALL HAVE SINGLE ACTION LOCKING DEVICE &/ OR SIGNED "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED."

ELECTRICAL
PAYNE ENGINEERING INC.
CONTACT: SHAWN MEADOR
ADDRESS: 1823 E. CENTER
POCATELLO, ID 83201
PHONE: 801-782-6008 ext. 8231

AUDIO/ VISUAL
AATRONICS, LLC:
CONTACT: JAY NAGEL
ADDRESS: 7840 W GRATZ DR. BOISE, ID 83709
PHONE: (208) 343-0900

PLAN ANALYSIS
Based on 2018 Edition of I.B.C & I.E.BC. ALTERATION, LEVEL 1

Architect of Record: Laughlin Ricks Architecture, L.L.C.
Engineer: SEE DESIGN TEAM ON THIS PAGE
Job Address: 299 US-30, FILER, ID 83328
Legal Description:
Occupancy Classification: A-4 — Occupant Load Per Area: SEATS 512
Occupancy Use: SCHOOL AUDITORIUM — 123/150 = 1
Allowable Stories Per Code: 1 Provided: 1 (IBC Table 505.4) — Total: 513
Floor Area: Basement: ___ 1st: 4,360 SF — Exits Required: Basement: ___ 1st: 3
Mezzanine: ___ 3rd: ___ Total: 4,360 SF — 2nd: ___ 3rd: ___ 4th: ___
Total Required Exits Per Occupant Load: 3 (IBC Table 1006.3.2)
Actual furthest travel distance to exit: 140'- 0" (IBC Table 1017.2 & 1006.2.1)
Penetrations? Show Approved Listed Products on Plans: N/A
Type of Construction: VB — Allowable Building Height: 40'
Seismic Design Category: C — Allowable Area Calc's:
Automatic Sprinkler System: Yes: X No: ___ — (IBC Table 506.2)
Maximum Floor Area Allowed: 6,000 — Exit Signs: Yes: X No: ___
Special Inspections Required? Yes: ___ No: X — Emergency Lights: Yes: ___ No: ___
Firewalls Required? (Specify Type & Rating) Yes: ___ No: X — Fire Extinguishers Shown: Yes: X No: ___ (IFC Section 906)
Occupancy Separation Use? Yes: ___ No: X — Fire Hydrant Locations Shown: Yes: ___ No: X
Areas of Refuge Required? (IBC Section 1009.2,3,4) Yes: ___ No: X — Vestibule Required: Yes: ___ No: X
Area Separation Required? Yes: ___ No: X — Classified Areas? (Show on plans & Show Areas) Yes: ___ No: X
Fire Resistance Ratings of BLDG Elements: (Specify Rating) NONE (IBC Table 601)
Minimum Roof Class: EXISTING (IBC Table 1505.1) — Exterior Wall Openings: NO LIMIT (IBC 705.8)
Fire Doors: N/A (IBC Table 716.1.2) — Fire Alarm System: YES (IBC 907.2)
Fire Flow and Duration: N/A — Corridor Width: ___ (IBC Table 1020.2)
Rated Structural Frame: (Roof Supports Only) Yes: ___ No: X — Rated Corridors: (IBC Section 1020.1) Yes: ___ No: X
Rated Bearing Walls-Exterior: Yes: ___ No: X — Rated Bearing Walls-Interior: Yes: ___ No: X
Rated Nonbearing Walls-Exterior: (>30' Fire Separation) Yes: ___ No: X — Rated Bearing Walls-Interior: (Roof Supports Only) Yes: ___ No: X
Rated Nonbearing Walls-Exterior: (10'-30' Fire Separation) Yes: ___ No: X — Rated Nonbearing Walls-Interior: Yes: ___ No: X
Rated Floor Construction: Yes: ___ No: X — Rated Roof Construction: Yes: ___ No: X
Lighting Layout and COM Check? Yes: ___ No: X
Comments:

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

FIRE ALARM & DETECTION SYSTEM SHALL BE MODIFIED AS REQUIRED.

PROPER ABATEMENT OF ASBESTOS CONTAINING MATERIAL IS REQ'D FOR ANY DISTERBED MATERIAL CONTAINING ASBESTOS.

ABBREVIATIONS

AC	ACOUSTICAL CEILING	DIA	DIAMETER	GYP BD	GYPSUM BOARD	PL	PLATE, PLASTIC LAMINATE	T	THREAD
ADJ	ADJUSTABLE - ADJACENT	DIM	DIMENSION	HB	HOSE BIB	P-LAM	PLASTIC LAMINATE	TBB	TILE BACKER BOARD
AFF	ABOVE FINISH FLOOR	DF	DRINKING FOUNTAIN	HC	HANDICAPPED	PLWD	PLYWOOD	T&G	TONGUE AND GROOVE
AL	ALUMINUM	DP	DEEP	HDR	HEADER	PNL	PANEL	TO	TO OF
ALT	ALTERNATE	DR	DOOR	HM	HOLLOW METAL	PORC. TILE	PORCELAIN TILE	TOW	TOP OF WALL
ANOD	ANODIZED	DS	DOWNSPOUT	HORIZ	HORIZONTAL	PR	PAIR	TPD	TOILET PAPER DISPENSER
AP	ACOUSTICAL WALL PANEL	DWG	DRAWING	HT	HEIGHT	PSF	POUNDS PER SQUARE FOOT	TSCD	TOILET SEAT COVER DISPENSER
APPROX	APPROXIMATE	E	EAST	HVAC	HEATING/VENTILATING/	PSI	POUNDS PER SQUARE INCH	TT	TIRE TREAD
ARCH	ARCHITECT (-URAL)	(E)	EXISTING		AIR CONDITIONING	PT	PAINT, PRESSURE TREATED	TYP	TYPICAL
AW	ACOUSTICAL WALL	EA	EACH	ILO	IN LIEU OF	PTD	PAPER TOWEL DISPENSER	UNO	UNLESS NOTED OTHERWISE
AWF	ACOUSTICAL WALL FABRIC	EJ	EXPANSION JOINT	INSUL	INSULATION	QT	QUARTZ TILE	U/S	UNDERSIDE
BLDG	BUILDING	EL	ELEVATION	INT	INTERIOR	R	RISER, RADIUS	VB	VAPOR BARRIER
BM	BEAM	ELEC	ECLECTRIC (-AL)	JNT	JOINT	RB	RESILIENT BASE	VCT	VINYL COMPOSITION TILE
BOD	BOTTOM OF DECK	EP	ENAMEL PAINT	KD	KNOCK DOWN	RD	ROOF DRAIN	VERT	VERTICAL
BOT	BOTTOM	EQ	EQUAL	LAV	LAVATORY	RO	ROUGH OPENING	VGF	VINYL GYM FLOORING
BTWN	BETWEEN	EW	EACH WAY	MCFP	MULTI-COLORED FINISH	RR	RESTROOM	VIF	VINYL INDUSTRIAL FLOORING
CB	CATCH BASIN	EXG	EXISTING		PAINT SYSTEM	RSF	RUBBER SHEET FLOORING	VR	VAPOR RETARDER
CBT	CABINET	EXP	EXPANSION	MDO	MEDIUM DENSITY	S	SOUTH	VT	VINYL TILE
CG	CORNER GUARD	EXT	EXTERIOR		OVERLAY PLYWOOD	SC	SOLID CORE	VWF	VINYL WALL FABRIC
CJ	CONTROL JOINT	FA	FIRE ALARM	MECH	MECHANIC (-AL)	SCU	STRUCTURAL CLAY UNIT	W	WEST
CL	CENTERLINE	FD	FLOOR DRAIN	MFR	MANUFACTURE (-R)	SD	SOAP DISPENSER	W/C	WATER CLOSET
CLG	CEILING	FE	FIRE EXTINGUISHER	MIN	MINIMUM	SDSV	STATIC DISIPATIVE SHEET VINYL	WD	WOOD
CLR	CLEAR (-ANCE)	FEC	FIRE EXTINGUISHER CABINET	MISC	MISCELLANEOUS	SF	SPECIALTY FINISH	W/D	WASHER & DRYER
CMT	CERAMIC MOSAIC TILE	FF	FACTORY FINISH, FINISH FLOOR	MRGB	MOISTURE RESISTANT	SFGL	SAFETY GLASS	WDO	WINDOW
CMU	CONCRETE MASONRY UNIT	FIN	FINISH (-ED)		GYPSUM BOARD	SHTG	SHEATHING	WF	WALL FABRIC
CO	CLEAN OUT	FLR	FLOOR (-ING)	MTL	METAL	SIM	SIMILAR	WFV	WOOD FACE VENEER
COL	COLUMN	FND	FOUNDATION	N	NORTH	SL	SLOPE	WG	WIRE GUARD
CONC	CONCRETE	FOC	FACE OF CONCRETE	(N)	NEW	SND	SANITARY NAPKIN DISPENSER	WGL	WIRED GLASS
CONT	CONTINUOUS, CONTINUE	FRP	FIBERGLASS REINFORCED	NA, N/A	NOT APPLICABLE	SP	SPACE (-S)	WM	WIRE MESH
CORR	CORRIDOR		PLASTIC PANEL	NIC	NOT IN CONTRACT	SPEC	SPECIFICATION	W/O	WITHOUT
CP	CARPET	FRVR	FLAME RESISTANT VAPOR BARRIER	NDU	SANITARY NAPKIN	SQ	SQUARE	WOC	WALK-OFF CARPET
CS	CONCRETE SLAB, SEALED	FT	FOOT, FEET		DISPOSAL UNIT	S/S	STAINLESS STEEL	WP	WATERPROOFING
CT	CERAMIC TILE	FTG	FOOTING	NOM	NOMINAL	ST	STAIN	WPS	WALL PROTECTION SYSTEM
CTJ	CONTROL JOINT	FWC	FABRIC WALL COVERING	NTS	NOT TO SCALE	STL	STEEL	WR	WATER RESISTANT
CTR	COUNTER (-TOP)	GA	GAUGE	OC	ON CENTER	STR	STRUCTURE (-AL)	WRGB	WATER RESISTANT GYPSUM
DBL	DOUBLE	GALV	GALVANIZED	OD	OUTSIDE DIAMETER	STRG	STORAGE		WALLBOARD
DET	DETAIL	GH	GARMENT HOOK	OPP	OPPOSITE	SV	SHEET VINYL FLOORING	WWF	WELDED WIRE FABRIC
		GMM	GLASS MESH MORTAR BOARD	PCMU	PRE-FACED CMU			W/	WITH

LICENSED ARCHITECT AR-985708
R. COLBY RICKS
STATE OF IDAHO
04/24/24

DATE

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299 US-30, Filer, ID 83328
TITLE SHEET

Laughlin Ricks Architecture
architecture/planning
134 3RD Ave East, * Twin Falls, Idaho 83301
(208) 736-8050

DATE: 04/24/24
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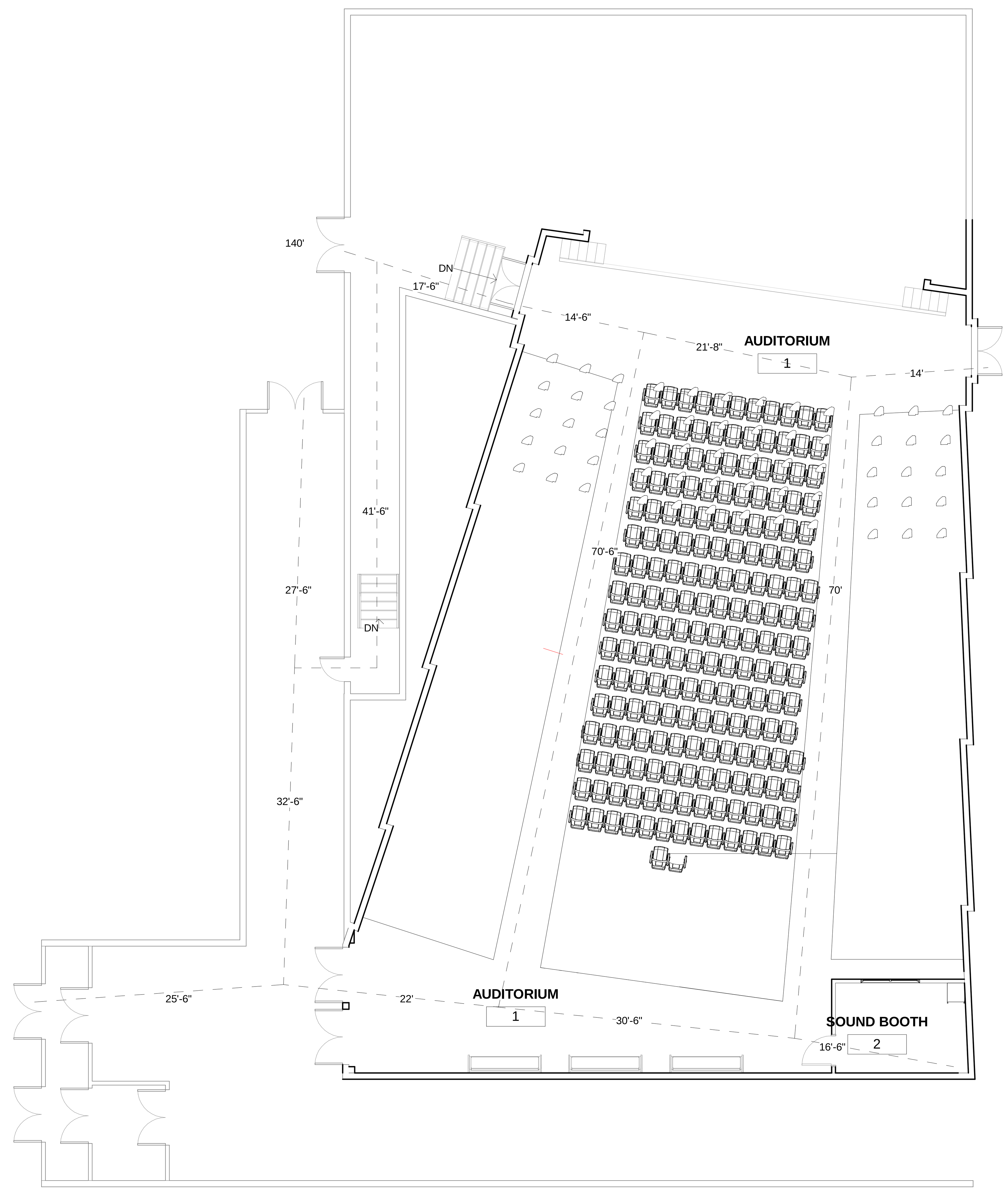
A0-0

I.E.B.C 701.2 CONFORMANCE
AN EXISTING BUILDING OR PORTION THEREOF SHALL NOT BE ALTERED SUCH THAT THE BUILDING BECOMES LESS SAFE THAN ITS EXISTING CONDITION.
EXCEPTIOIN: WHERE THE CURRENT LEVEL OF SAFTELY OR SANITATION IS PROPOSED TO BE REDUCED, THE PORTION ALTERED SHALL CON-FORM TO THE REQUIREMENTS OF THE INTERMATIONAL BUILDING CODE.

I.E.B.C. 703.1 GERNERAL ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL IF FIRE PROTECTION PROVIDED.

I.E.B.C. 704.1 GERNERAL ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS.

I.E.B.C. 707.1 MINIMUM REQUIREMENTS.
LEVEL 1 ALTERATIONS TO EXISTING BUILDINGS OR STRUCTURES DO NOT REQUIRE THE ENTIRE BUILDING OR STRUCTURE DO NOT REQUIRE THE ENTIRE BUILDING OR STRUCTURES TO COMPLY WITH THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE OR INTERNATIONAL RESIDENTAL CODE. THE ALTERTIONS SHALL CONFORM TO THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE OR INTERNATIONAL RESIDENTAL CODE AS THEY RELATE TO NEW CONSTRUCTION ONLY.



These plans have been reviewed for code compliance based on the submitted documents and plan sheets, and have been found, to be, substantially code compliant, all other code compliance requirements shall be completed through field inspections, verifications, and approvals by the field building inspector.

See Plan Review notes: The plan review notes shall always be attached to the stamped approved plans and documents. These are part of the plans and shall be a permanent record with the plans. Inspection shall not take place without a complete set of the Idaho Division of Occupational and Professional Licenses (IDOPL) plan review notes and approved, stamped plans on site.

Construction Safeguards
Construction safeguards shall be required for any and all demolition and or construction to ensure public safety.
Required exits, existing structural elements, fire protection devices and sanitary safeguards shall be maintained at all times during alterations, repairs or additions to any building or structure.
All applicable construction safeguards from chapter 31 and 33 shall be in place and maintained while any demolition or construction activities are being undertaken.

1 EXIT FLOOR PLAN
1/8" = 1'-0"

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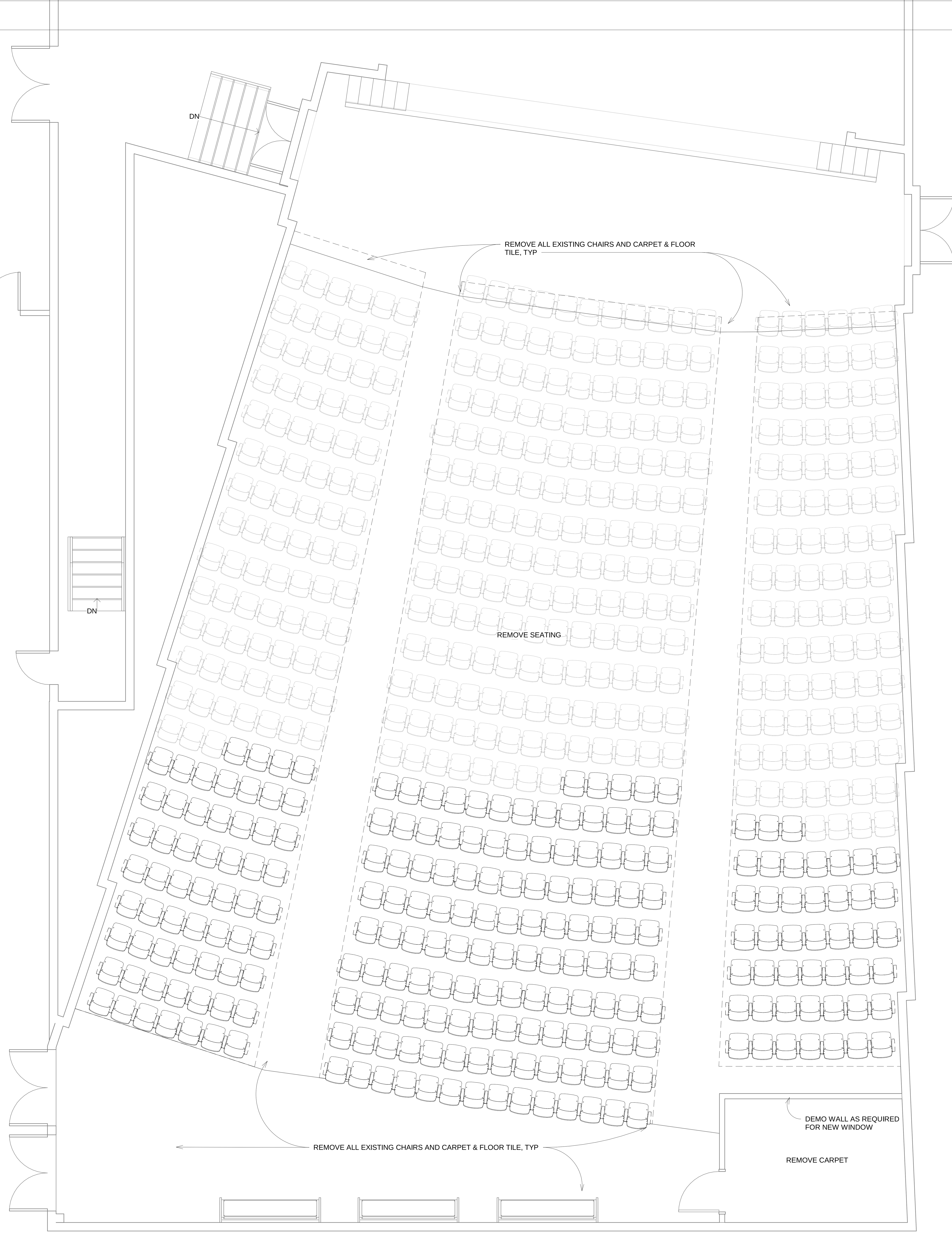

1 DEMO FLOOR PLAN
1/4" = 1'-0"

1. ANY LOCATION WHERE WOOD IS TOUCHING CONCRETE, MASONRY, CMU, OR STEEL SHALL BE PRESSURE TREATED.
2. ALL WOOD SHALL BE DOUGLAS FIR #2 OR BETTER.
3. ALL NEW INTERIOR WALLS SHALL BE 2x4 W/ 5/8" GYP BD EA. SIDE U.N.O.
4. ALL NEW INTERIOR WALLS SHALL HAVE SOUND BATT INSULATION
5. DEMO CEILING AS REQUIRED TO REPAIR WATER DAMAGE.
6. PATCH PAINT AND REPAIR CEILING AS REQUIRED.
7. REPLACE EXISTING GREEN EXIT SIGN WITH A RED EXIT SIGN TO MATCH EXISTING.
8. FIRE ALARM & DETECTION SYSTEM SHALL BE MODIFIED AS REQUIRED.
9. CONTRACTOR SHALL PROVIDE AN ASBESTOS REPORT PRIOR TO ANY DEMOLITION.
10. PROPER ABATEMENT OF ASBESTOS CONTAINING MATERIAL IS REQ'D FOR ANY DISTERBED MATERIAL CONTAINING ASBESTOS.

GENERAL NOTES
1/4" = 1'-0"

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DEMO FLOOR PLAN

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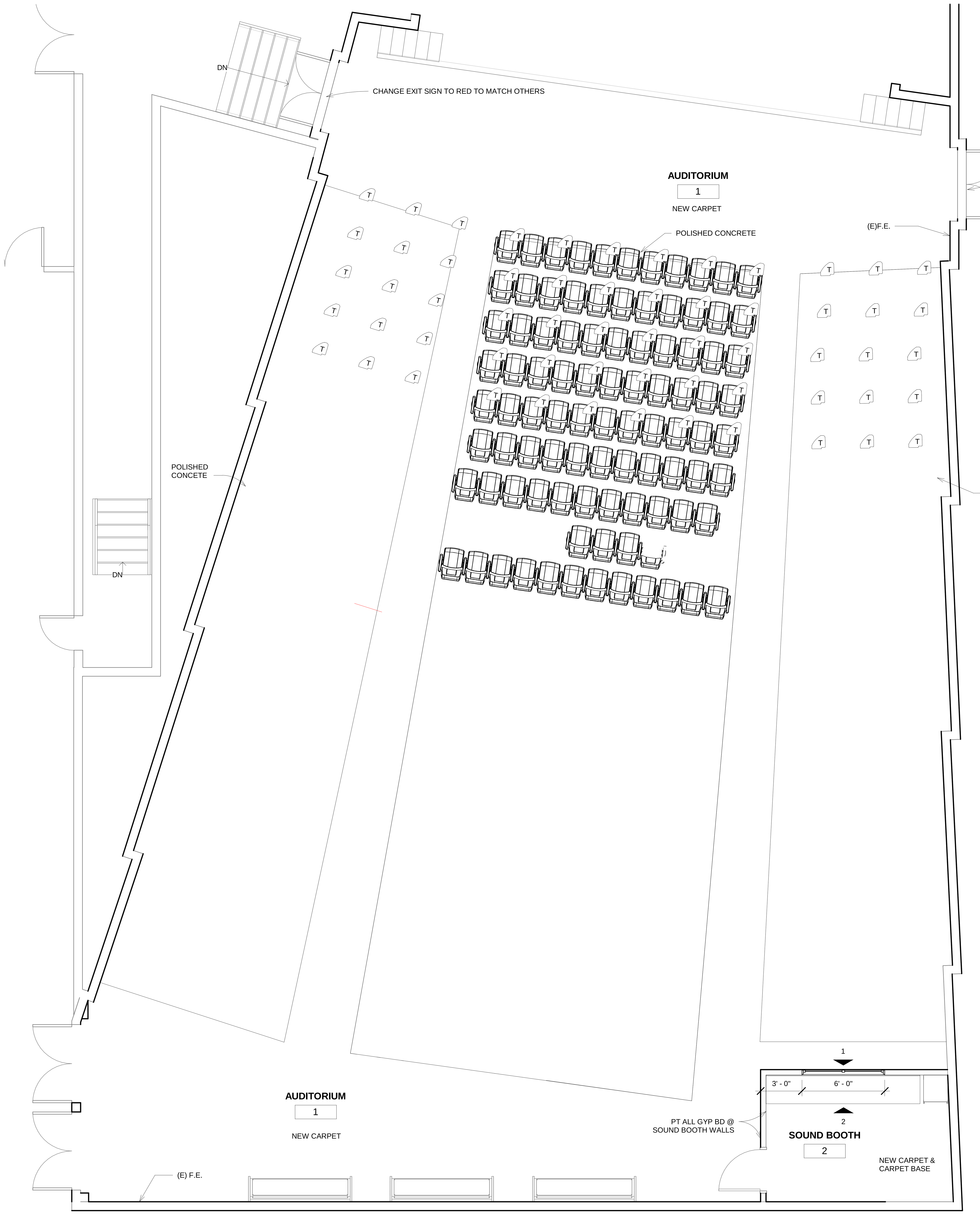
A2-0



1 NEW FLOOR PLAN
1/4" = 1'-0"

Room Finish Schedule

Number	Name	Base Finish	Floor Finish	Materials North	Materials East	Materials South	Materials West	Finishes North	Finishes East	Finishes South	Finishes West	Ceiling Material	Ceiling Finish	Remarks
1	AUDITORIUM	<varies>	(N) CARPET & POILISHED CONCRETE	(E) BRICK, STAGE	(E) CMU,(E) BRICK	(E) CMU, (E) BRICK	(E) CMU, (E) BRICK	REMAINS (E)	PT, (E)	PT, (E)	PT, (E)	/(E) ACT(E) GYP BD	FF/PT	(N) FLOORING (REFER TO NOTE 9) PATCH, PAINT, REPAIR CEILING GYSUM BOARD & REPLACE DAMAGED ACT, (E) BRICK REMAINS UNPAINTED TYP.
2	SOUND BOOTH	CPT BASE	CARPET	(E)	(E)	(E)	(E)	PT	PT	PT	PT	(E)	PT	

EXISTING CHAIR COUNT- 547
NEW CHAIR COUNT -512 SEATS

1. ANY LOCATION WHERE WOOD IS TOUCHING CONCRETE, MASONRY, CMU, OR STEEL SHALL BE PRESSURE TREATED.
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3. ALL NEW INTERIOR WALLS SHALL BE 2x4 W/ 5/8" GYP BD EA. SIDE U.N.O.
4. ALL NEW INTERIOR WALLS SHALL HAVE SOUND BATT INSULATION
5. DEMO CEILING AS REQUIRED TO REPAIR WATER DAMAGE.
6. PATCH PAINT AND REPAIR CEILING AS REQUIRED.
7. REPLACE EXISTING GREEN EXIT SIGN WITH A RED EXIT SIGN TO MATCH EXISTING.
8. FIRE ALARM & DETECTION SYSTEM SHALL BE MODIFIED AS REQUIRED.
9. CONTRACTOR SHALL PROVIDE AN ASBESTOS REPORT PRIOR TO ANY DEMOLITION.
10. PROPER ABATEMENT OF ASBESTOS CONTAINING MATERIAL IS REQ'D FOR ANY DISTERBED MATERIAL CONTAINING ASBESTOS.

GENERAL NOTES
1/4" = 1'-0"

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NEW FLOOR PLAN

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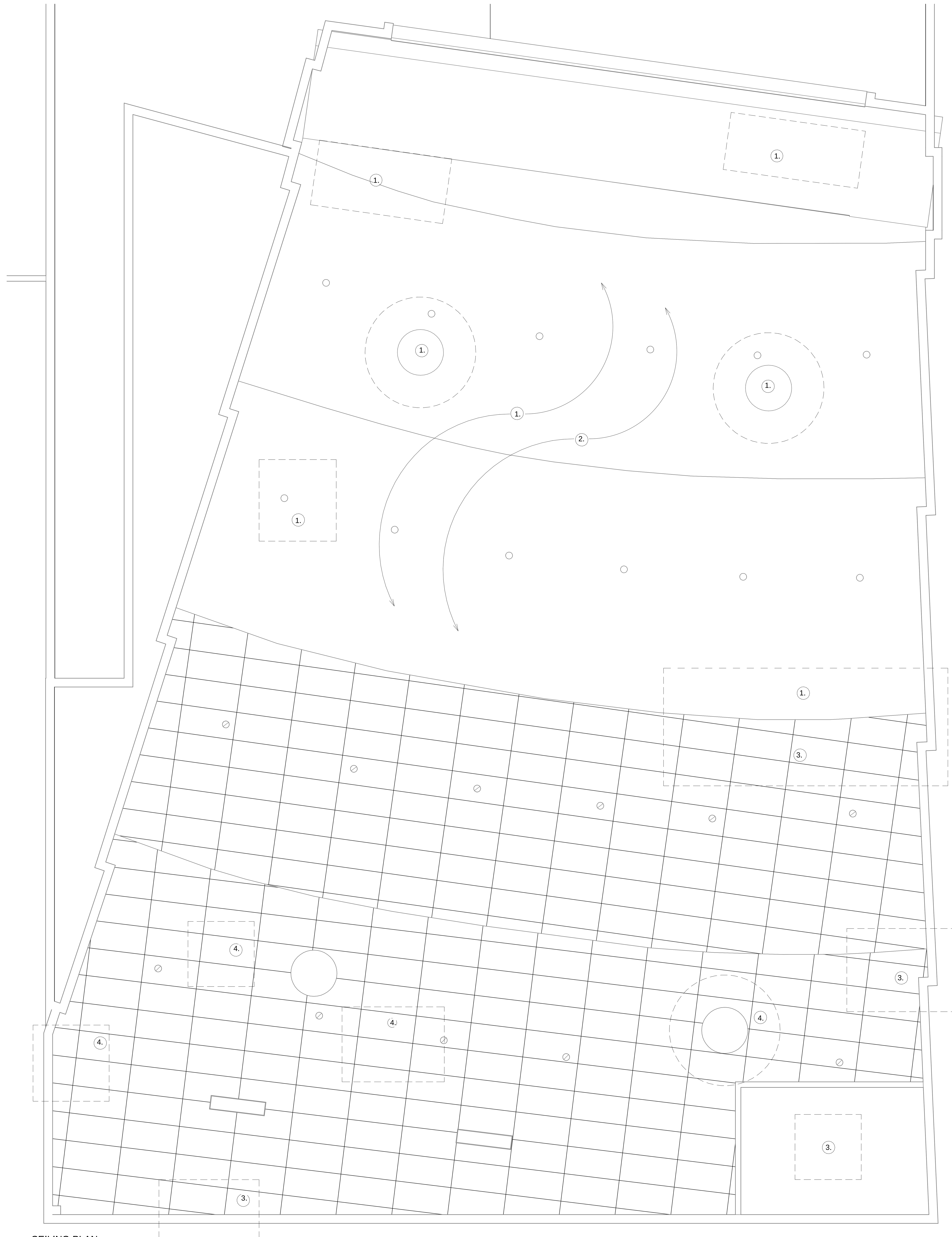
A2-1



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

CEILING DAMAGES

1. PATCH AND RETEXTURE
2. PAINT GYP. BD.
3. REPLACE MISSING CEILING TILES TO MATCH EXISTING.
4. REPLACE DAMAGED CEILING TILES WITH NEW TO MATCH EXISTING.

NITE:
AREAS NOTED TO BE REMOVED & REPLACED. ARE BASES ON A VISUAL REVIEW. WHILE DEMOLITION WORK IS UNDERWAY NOTIFY ARCHITECT & OWNER IF ADDITIONAL AREAS ARE DISCOVERED

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CEILING PLAN

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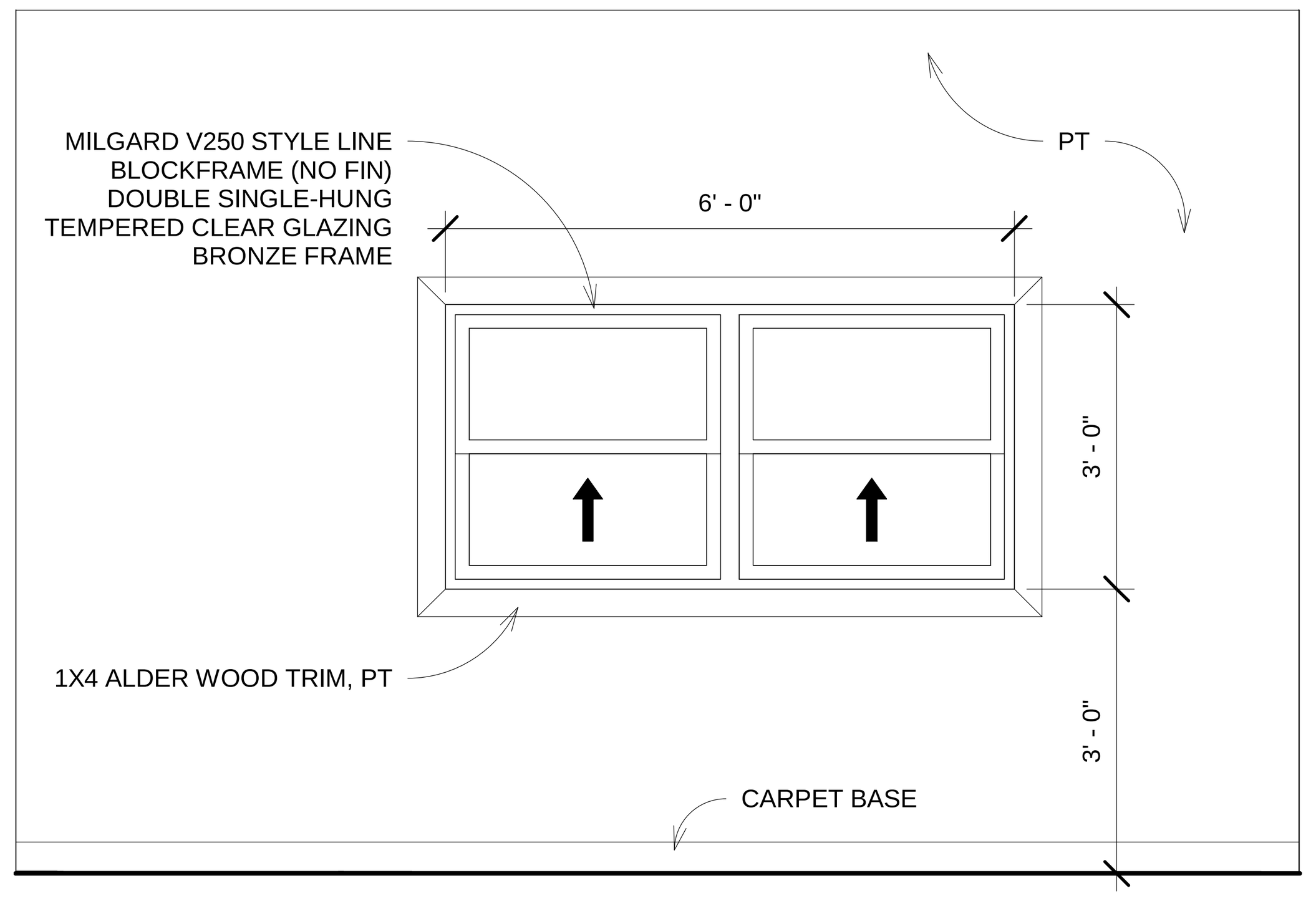
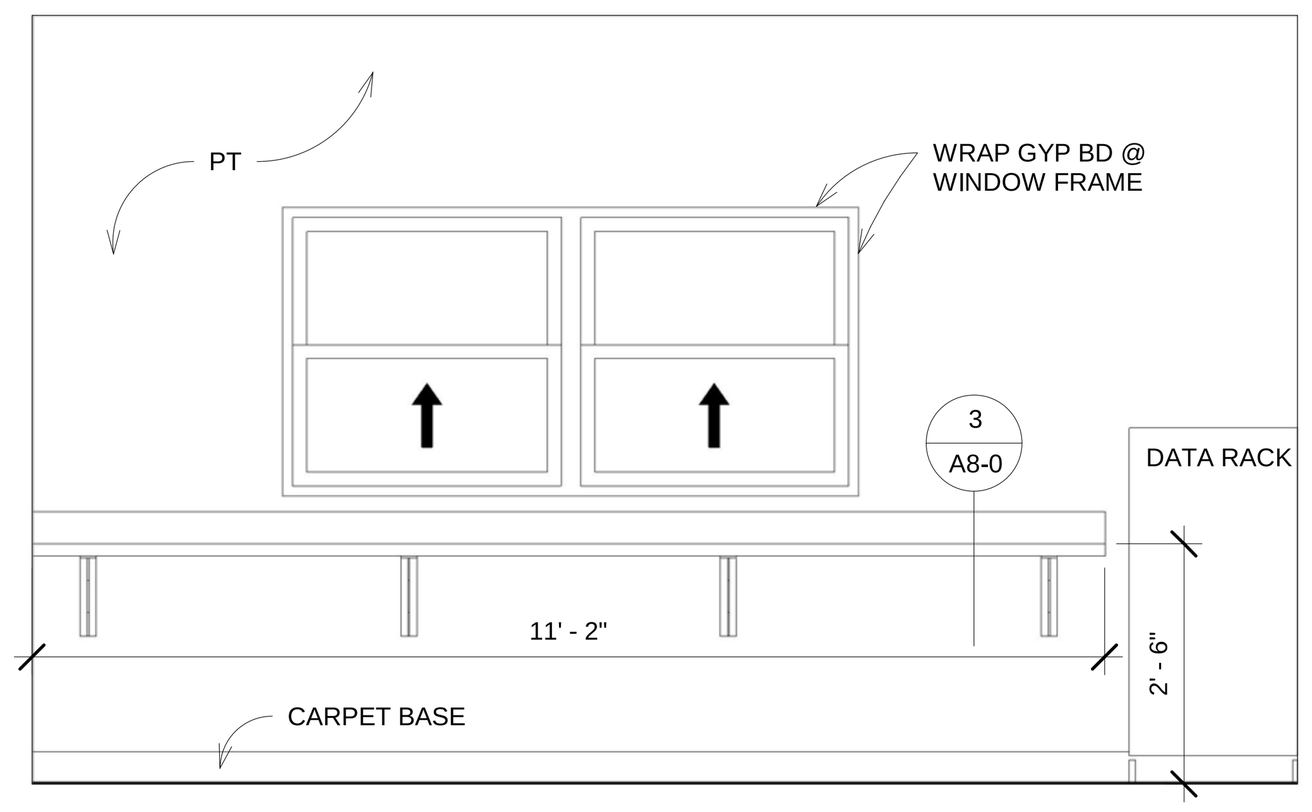
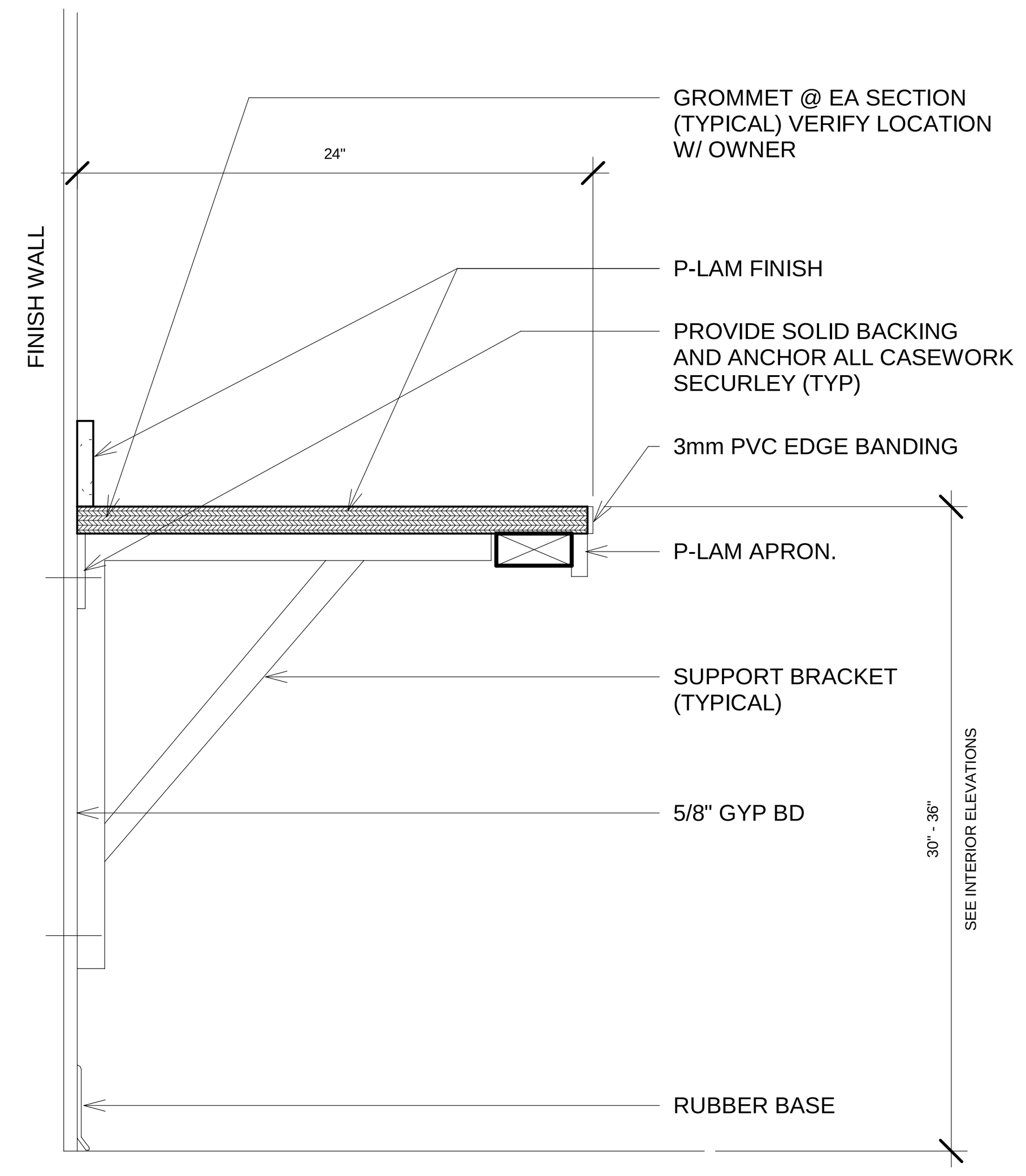
A7-0



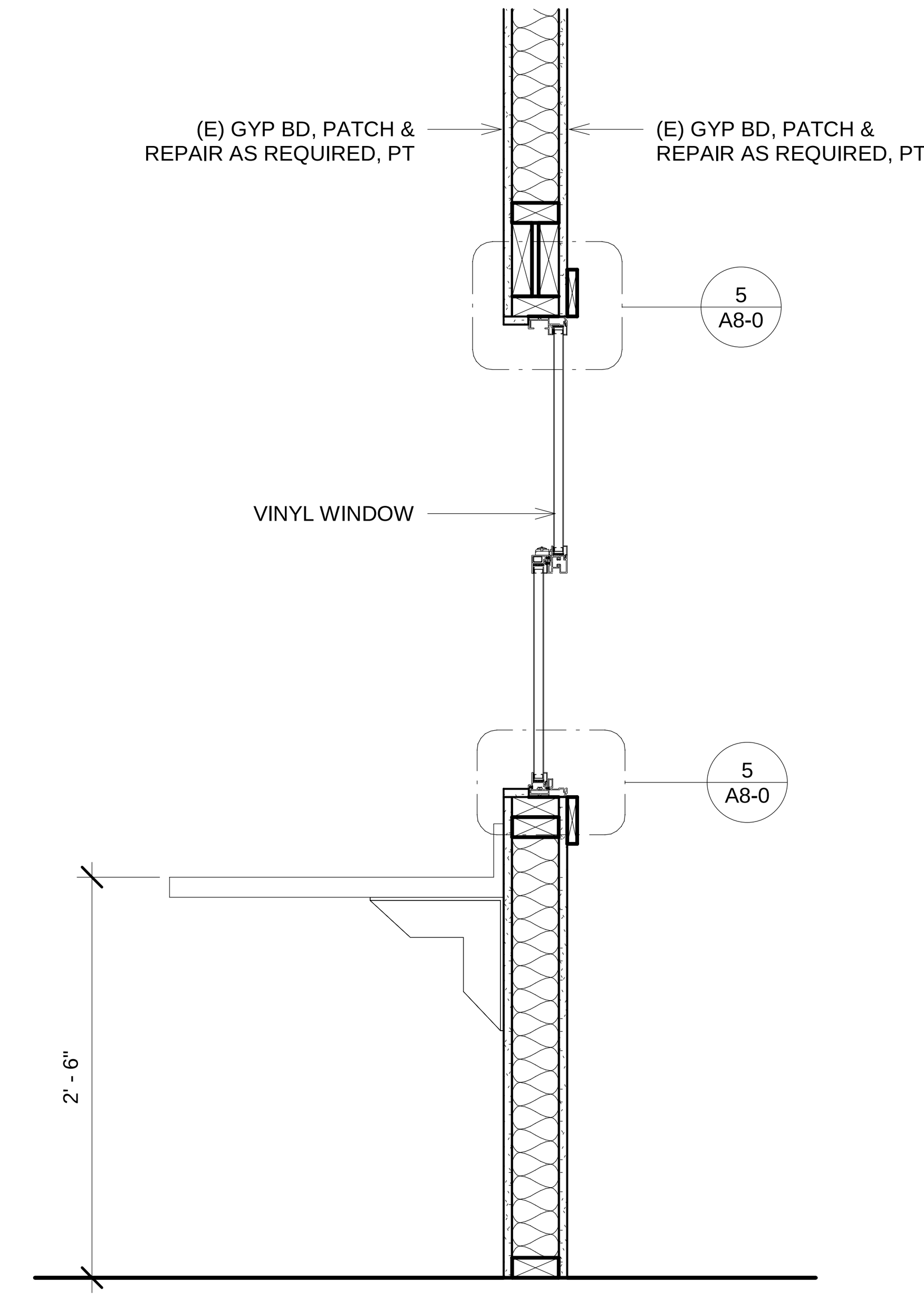
1 SOUND BOOTH WINDOW
1/2" = 1'-0"



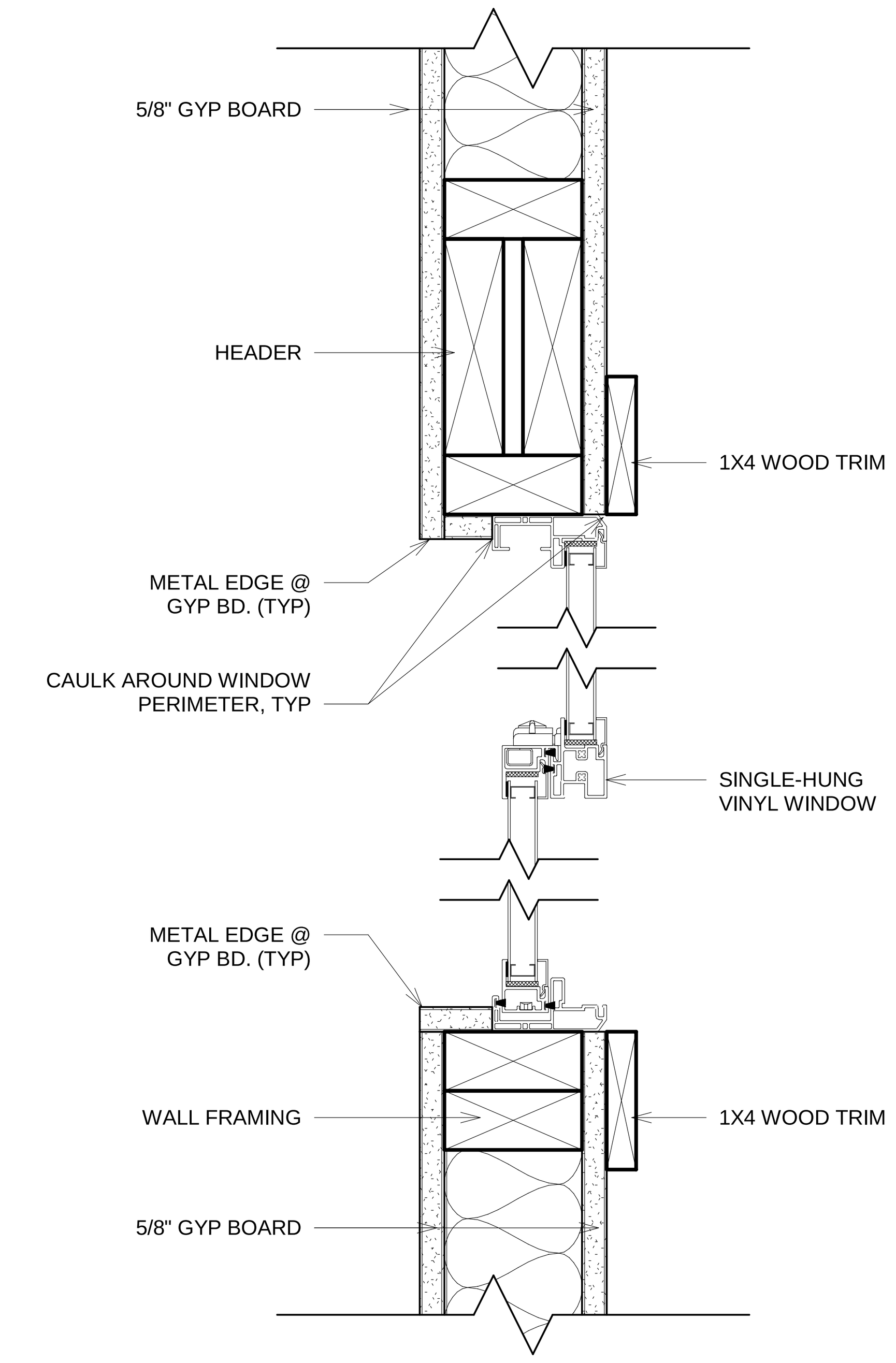
2 SOUND BOOTH COUNTER
1/2" = 1'-0"



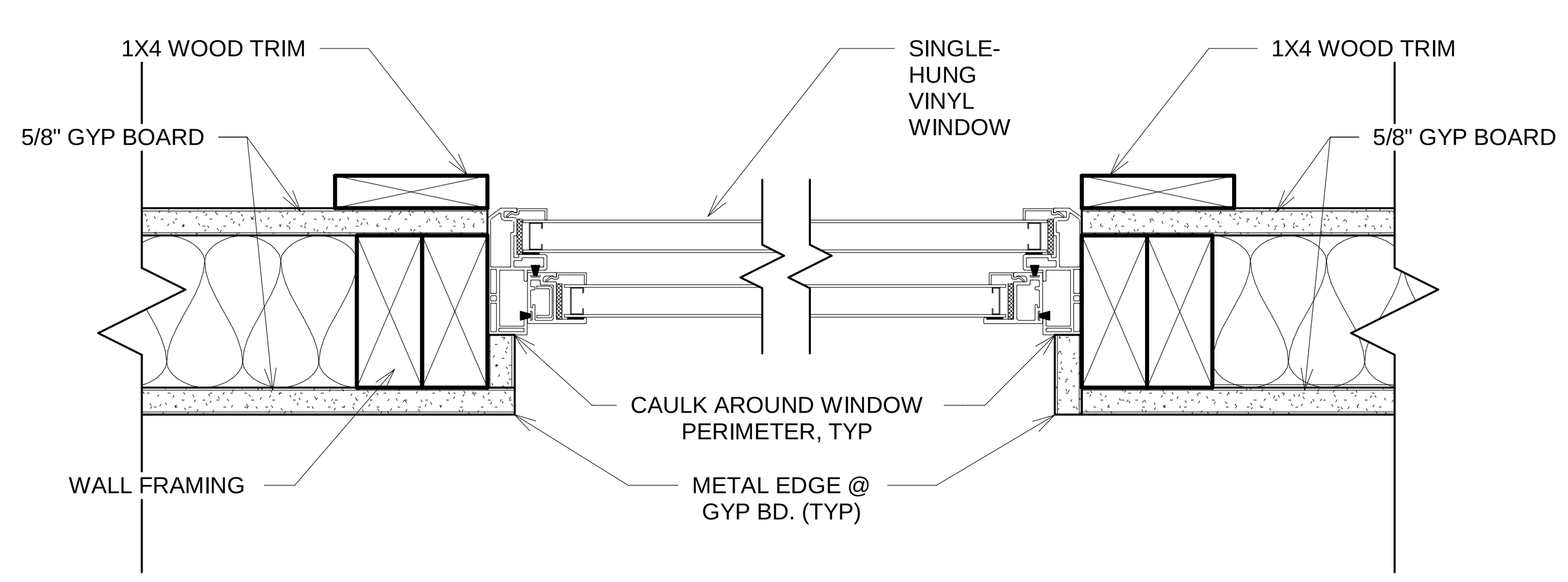
3 COUNTERTOP CASEWORK
1 1/2" = 1'-0"



4 WINDOW SECTION
1" = 1'-0"



5 VINYL WINDOW HEAD & SILL
3" = 1'-0"



6 VINYL WINDOW JAMB
3" = 1'-0"

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INTERIOR ELEVATIONS & DETAILS

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A8-0

ELECTRICAL SYMBOL SCHEDULE

NOTE: ALL SYMBOLS MAY NOT BE USED

SYMBOL	DESCRIPTION
'LA'	ELECTRICAL PANELBOARD, (SEE POWER RISER AND PANEL SCHEDULES FOR ADDITIONAL INFORMATION)
	DISCONNECT SWITCH, SIZE/POLES/TYPE AS INDICATED TYPES: 1=NEMA 1, 3R=NEMA 3R, 4X=NEMA 4X
J	JUNCTION BOX
	EQUIPMENT CONNECTION; COORDINATE CONNECTION WITH EQUIPMENT PRIOR TO ROUGH-IN
M	MOTOR CONNECTION
F	EXHAUST FAN CONNECTION
	SPECIAL RECEPTACLE (COORDINATE NEMA TYPE WITH EQUIP.) (REFER TO PANEL SCHEDULES FOR AMPS)
	DUPLEX RECEPTACLE, UL TAMPER-RESISTANT WHERE MOUNTED BELOW 5FT
	GFCI-TYPE DUPLEX RECEPTACLE, UL TAMPER-RESISTANT WHERE MOUNTED BELOW 5FT
	SPLIT-WIRED RECEPTACLE, HALF OF RECEPT. SHALL BE SWITCHED OTHER HALF SHALL HAVE CONSTANT POWER.
	DOUBLE-DUPLEX RECEPTACLE, UL TAMPER-RESISTANT WHERE MOUNTED BELOW 5FT
	GFCI-TYPE DOUBLE-DUPLEX RECEPTACLE, UL TAMPER-RESISTANT WHERE MOUNTED BELOW 5FT.

RECEPTACLE AND EQUIPMENT SUBSCRIPTS

M/R	MICROWAVE/RANGE HOOD (LOCATE ABOVE RANGE)	AC	ABOVE COUNTER
USB	DUPLEX RECPT. WITH (2) USB CHARGING PORTS	WP	WEATHERPROOF (UL LISTED WEATHER-RESISTANT)
DW	DISHWASHER, INSTALL PER NEC 422.16(B)(2)	42"	MOUNTING HEIGHT AFF OR AFG
D/DW	DISPOSAL/DISHWASHER, INSTALL PER NEC 422.16(B)(2)	REF	REFRIGERATOR
TV	RECEPT. DEDICATED TO TV; FIELD VERIFY HEIGHT W/ TV PRIOR TO ROUGH-IN.	M	MICROWAVE
EWC	ELECTRIC WATER COOLER; PROVIDE GFCI PROTECTION PER NEC 422.5(A)	D	CLOTHES DRYER (NEMA 14-30R)
		R	ELECTRIC RANGE (NEMA 14-50R)
		W	WELDER RECEPTACLE 208/240V - NEMA 6-50R

SYMBOL	DESCRIPTION
T OR S	HVAC THERMOSTAT OR SENSOR; COORDINATE EXACT LOCATION, SIZE AND NUMBER OF CONDUCTORS WITH M.C.
##	ADDRESSABLE FIRE ALARM DETECTOR WITH BASE DETECTOR SUBSCRIPTS P PHOTOELECTRIC SMOKE DETECTOR; D DUCT SMOKE DETECTOR ID IN-DUCT SMOKE DETECTOR; H HEAT DETECTOR M MULTI-STATION SMOKE DETECTOR (120V W/BATTERY BACKUP)
	WALL MOUNTED FIRE ALARM STROBE OR HORN/STROBE PROVIDE CANDELA RATING AS REQUIRED BY NFPA 72
	CEILING MOUNTED FIRE ALARM STROBE OR HORN/STROBE PROVIDE CANDELA RATING AS REQUIRED BY NFPA 72

SYMBOL	DESCRIPTION
F1	LIGHT FIXTURE TYPE DESIGNATION
	PARKING AREA POLE LIGHT, SINGLE OR DOUBLE HEAD AS INDICATED ON DRAWINGS. REFER TO LIGHT POLE DETAIL FOR POLE INFORMATION.
	EXTERIOR WALL MOUNTED FIXTURE
	2X4 FLUORESCENT OR LED FIXTURE
	2X2 FLUORESCENT OR LED FIXTURE
	SURFACE MOUNTED FLUORESCENT OR LED FIXTURE
	STRIP FLUORESCENT OR LED FIXTURE
	WALL MOUNTED FLUORESCENT OR LED FIXTURE
	ROUND RECESSED FIXTURE
	EXIT SIGN, WALL OR CEILING MOUNTING AS REQUIRED (SINGLE OR DOUBLE FACE) DIRECTIONAL CHEVRONS AS INDICATED; CONNECT TO UNSWITCHED LEG OF LIGHTING CIRCUIT THAT IS IN THE SAME AREA AS THE EXIT SIGNS.
	WALL OR CEILING MOUNTED EMERGENCY LIGHTING UNIT W/BATTERY PACK CONNECT TO UNSWITCHED LEG OF LIGHTING CIRCUIT THAT IS IN THE SAME AREA AS THE EMERGENCY LIGHT.
	SHADED FIXTURE INDICATES AN EMERGENCY FIXTURE. PROVIDE WITH EMERG. BATTERY PACK OR CONNECT TO EMERGENCY POWER SYSTEM (WHERE APPLICABLE). CONNECT BATTERY PACK TO UNSWITCHED LEG OF LIGHTING CIRCUIT THAT SERVES THE SAME AREA AS THE EMERGENCY FIXTURE. PROVIDE WITH TEST LIGHT AND SWITCH.
S ###	CEILING MOUNTED OCCUPANCY SENSOR, REFER TO OCCUPANCY SENSOR/SWITCH SCHEDULE FOR SENSOR TYPE AND ADDITIONAL INFORMATION.
$ ###	SWITCH MOUNTED OCCUPANCY SENSOR, LOW VOLTAGE SWITCHPOD OR DIMMER SWITCH, REFER TO OCCUPANCY SENSOR/SWITCH SCHEDULE FOR TYPE AND ADDITIONAL INFORMATION.
$	SINGLE-POLE SWITCH (SEE SUB-SCRIPTS BELOW FOR ADDITIONAL INFORMATION)

SWITCH SUBSCRIPTS

3	3-WAY SWITCH	LV	LOW-VOLTAGE SWITCH (PER DWG'S)
4	4-WAY SWITCH	T	THERMAL-OVERLOAD SWITCH
D	DIMMER SWITCH (COMPATIBLE W/ LOAD & LTG TYPES)	M	SWITCH SUPPLIED WITH EQUIPMENT, INSTALLED BY E.C.
FT	FAN TIMER, 10/20/30/60 MIN. ELECTRONIC (INTERMATIC MODEL EI210 SERIES)	WP	WEATHERPROOF
P	PILOT LIGHTED SWITCH	2P	DOUBLE POLE, SINGLE THROW SWITCH

SYMBOL	DESCRIPTION
1	KEYED NOTE REFERENCE
1 / ES101	DETAIL # / SHEET REFERENCE
A-1,3,5 3/4"C.-6#12,1#12G	BRANCH CIRCUIT HOME-RUN TO PANEL INDICATED A-1,3,5 ← PANEL AND CIRCUIT DESIGNATIONS 3/4"C.-6#12,1#12G QTY & SIZE OF EQUIPMENT GROUND CONDUCTOR QTY & SIZE OF NEUTRAL AND PHASE CONDUCTOR(S) SIZE OF CONDUIT
*25,000A	CALCULATED AVAILABLE FAULT CURRENT AT EQUIPMENT(SEE POWER RISER)
	BRANCH CIRCUIT/FEEDER CONCEALED IN CEILING OR WALL
	BRANCH CIRCUIT/FEEDER CONCEALED UNDERGROUND OR FLOOR
	NEW EQUIPMENT, DEVICES, ETC.
	EXISTING EQUIPMENT, DEVICES, ETC.
	DEMOLITION EQUIPMENT, DEVICES, ETC.
_D-X	DATA AND/OR TELEPHONE OUTLET; _= # OF DATA CABLES, X=CONDUIT SIZE (SEE NOTES 1,2,3 BELOW)
R	RESIDENTIAL DATA OUTLET; PROVIDE (1) CAT 5e CABLE TO APARTMENT UNIT STRUCTURED MEDIA CENTER W/ REQUIRED TERMINATIONS.
_D-X	CEILING MOUNTED DATA OUTLET; _= # OF DATA CABLES, X=CONDUIT SIZE (SEE NOTES 1,2,3 BELOW)
	RESIDENTIAL TELEVISION OUTLET; PROVIDE (1) COAXIAL CABLE AND (1) CAT 5e CABLE TO APARTMENT UNIT STRUCTURED MEDIA CENTER W/ REQUIRED TERMINATIONS.
FB# _D-X	ELECTRICAL FLOORBOX; REFER TO "ELECTRICAL FLOORBOX SCHEDULE" FOR INFORMATION. _= # OF DATA CABLES, X=CONDUIT SIZE (SEE NOTES 1,2,3 BELOW)
### _D-X	TV AND/OR AV BOX; WITH POWER, DATA AND/OR AV CONNECTIVITY ### = BOX ID: REFER TO "ELECTRICAL AV/TV BOX SCHEDULE" FOR INFORMATION. _= # OF DATA CABLES, X=CONDUIT SIZE (SEE NOTE #2 BELOW) INSTALL CONDUIT (SIZE AS INDICATED) FROM BOX TO NEAREST ACCESSIBLE CEILING SPACE W/ DATA CABLING/TERMINATIONS AS INDICATED ON DRAWINGS.

SPECIAL SYSTEMS NOTES:

1. UTILIZE 4 11/16" DEEP BOX WITH REQUIRED MUDRING AND CONDUIT TO ACCESSIBLE ATTIC SPACE OR DATA RACK, TERMINATE WITH INSULATED THROAT BUSHING. PROVIDE QTY OF CABLES INDICATED FROM OUTLET TO NEAREST TELE/DATA ROOM. SEE DWGS FOR ADDITIONAL INFORMATION. UTILIZE J-HOOKS 3FT ON CENTER FOR SUPPORT OF CABLING WHERE CABLE TRAY IS NOT INSTALLED/SPECIFIED.
2. CONDUIT SIZE ('X' FROM ABOVE); 2=1/2", 3=3/4", 4=1", 5=1-1/4", 6=1-1/2"
3. BLANK (NO LABEL) = 4-11/16" DEEP BOX WITH REQUIRED MUDRING AND 1" CONDUIT TO ACCESSIBLE ATTIC SPACE, TERMINATE WITH INSULATED THROAT BUSHING, PROVIDE PULL STRING. (UNLESS OTHERWISE NOTED)

GENERAL POWER & PROJECT NOTES:

A. ALL DEVICES SHOWN AT OR NEAR MILLWORK/CASEWORK SHALL BE COORDINATED WITH THE ARCHITECTURAL ELEVATION DRAWINGS AND MILLWORK INSTALLER TO INSURE PROPER MOUNTING HEIGHTS. ADJUST DEVICES SUCH THAT THEY WILL NOT FALL BEHIND MILLWORK, CABINETS OR BE DIRECTLY ABOVE SINKS OR MIDWAY BETWEEN TILEWORK/WALL OR WAINSCOATING, ETC.
B. CONTRACTOR SHALL INSTALL PROVIDE GFCI PROTECTION OF RECEPTACLE(S) SHOWN IN BATHROOMS, KITCHENS, OUTDOORS OR WITHIN 6FT OF ANY SINK, BASIN, TUB OR FLOOR SINK AND ALL OTHER AREAS DEFINED BY THE NEC.
C. E.C. SHALL REFER TO THE MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT AND ELECTRICAL CONNECTIONS.
D. E.C. SHALL PROVIDE MINIMUM WORKING CLEARANCE AS PER NEC BEFORE INSTALLING ANY ELECTRICAL PANELS OR CABINETS. SEE ELECTRICAL EQUIPMENT CLEARANCE DETAIL.
E. E.C. SHALL COORDINATE WITH ALL SPECIAL SYSTEMS SUPPLIER/SHOP DRAWINGS; DENTAL, MEDICAL, KITCHEN, POOL, ETC. FOR SPECIFIC ELEC. REQUIREMENTS.
F. ALL CONDUIT/RACEWAY/CABLES TO BE CONCEALED IN WALLS OR ABOVE CEILINGS. IF ANY SURFACE WORK IS NECESSARY, IT SHALL BE APPROVED BY THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION.
G. ELECTRICAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND THOROUGHLY INVESTIGATE THE EXISTING CONDITIONS, AS THEY RELATE TO THE SCOPE OF WORK DESCRIBED. MAKE NECESSARY PROVISIONS IN THE BASE BID TO ADEQUATELY ACCOMMODATE THESE CONDITIONS.

GENERAL LIGHTING NOTES:

A. SYMBOLS SHOWN ABOVE MAY NOT REPRESENT ALL LIGHT FIXTURES USED ON PROJECT, REFER TO LIGHT FIXTURE SCHEDULE FOR ACTUAL FIXTURE INFORMATION INCLUDING FIXTURE TYPE, LAMPING, MOUNTING AND ETC.
B. JUNCTION BOXES FOR LIGHTING CIRCUITING ARE NOT SHOWN FOR CLARITY. THE E.C. IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL JUNCTION BOXES REQUIRED FOR CIRCUITING OF ALL LIGHT FIXTURES THAT ARE NOT LISTED FOR "THROUGH-BRANCH CIRCUIT WIRING".
C. IN GENERAL ALL SWITCH-LEG CONDUCTORS MAY NOT BE SHOWN ON DRAWINGS; E.C. SHALL PROVIDE AND INSTALL CONDUCTORS AS REQUIRED TO ACHIEVE CONTROL SCHEMES INDICATED AND DESCRIBED ON DRAWINGS. INCLUDING ALL 0 - 10V DIMMING CONTROLS BETWEEN SWITCH AND FIXTURES.
D. ALL BATTERY EXIT SIGNS AND EMERGENCY LIGHTING TO BE CONNECTED TO THE UNSWITCHED LEG OF THE LIGHTING CIRCUIT IN THE AREA.
E. INSTALL ALL LIGHT FIXTURES IN MECHANICAL ROOM AFTER THE MECHANICAL EQUIPMENT IS IN PLACE. ADJUST AS NECESSARY. PROVIDE CHAIN SUSPENSION KITS AS REQUIRED.
F. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN(S) FOR EXACT FIXTURE LOCATIONS, CEILING TYPES, ETC.
G. LOCATE SWITCHES, OUTLETS, ETC., SHOWN AT ROOM ENTRY DOORWAYS, AS CLOSE TO DOOR FRAME AS POSSIBLE, SO AS NOT RO INTERFERE WITH ROOM CABINETS, ETC.

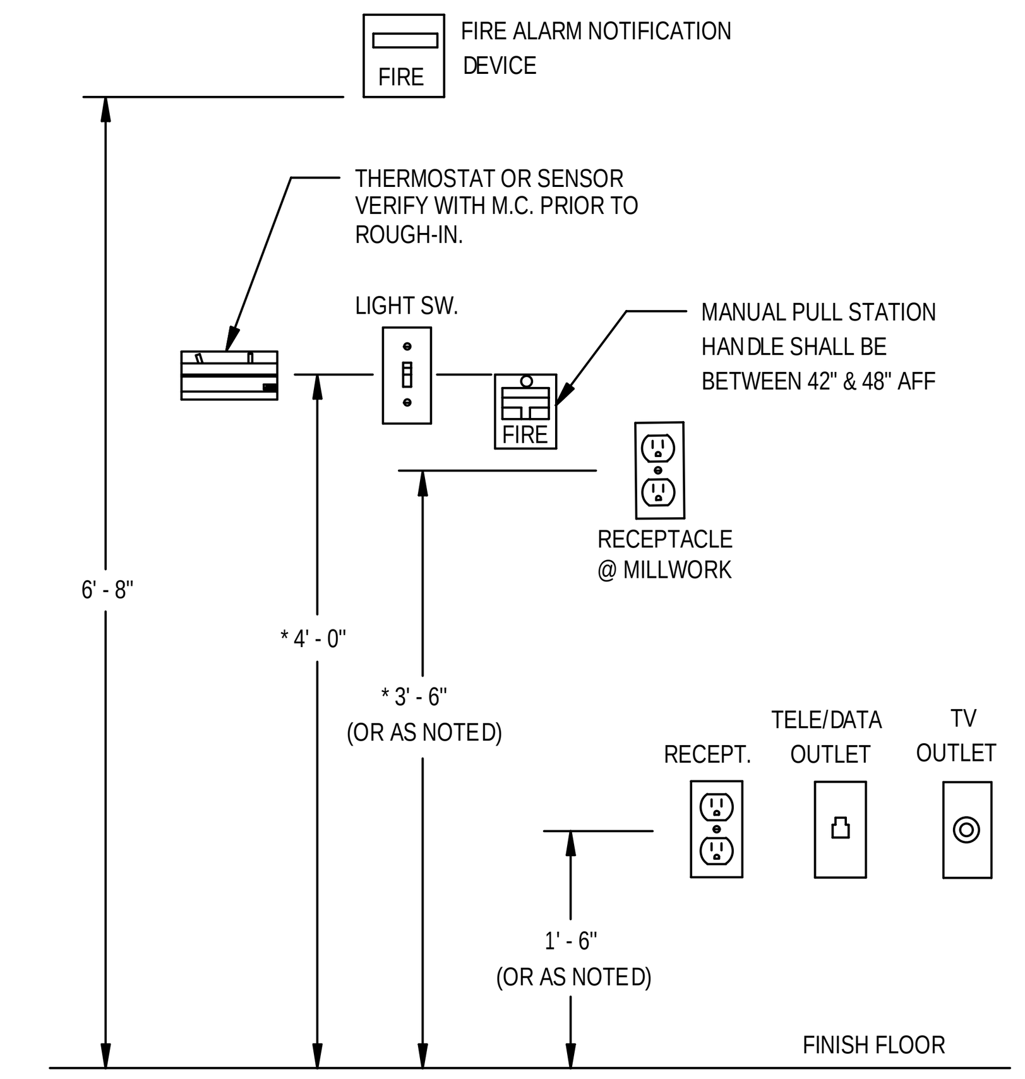
GENERAL SPECIAL SYSTEM NOTES:

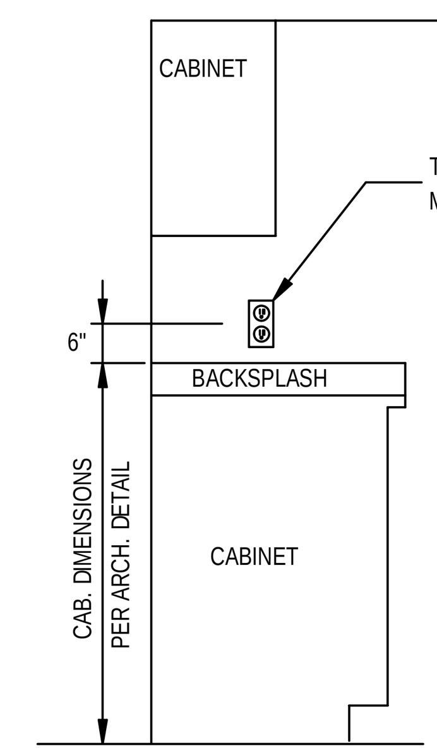
A. COMMUNICATIONS CABLES SHALL HAVE BENDS NO GREATER THAN 90 DEG.
B. CONDUITS FOR COMMUNICATIONS CABLING SHALL HAVE A MAXIMUM BEND RADIUS NOT MORE THAN 10X THE DIAMETER OF THE CONDUIT.
C. ALL COMMUNICATIONS CONDUITS SHALL BE TERMINATED WITH AN INSULATED NON-METALLIC BUSHING AT BOTH ENDS.
D. COMMUNICATIONS CONDUITS SHALL HAVE NO MORE THAN (2) 90'S WITHOUT A PULLBOX. PULL BOXES SHALL BE LOCATED IN ACCESSIBLE LOCATIONS AND SHALL BE SIZED AT LEASED 12X THE LARGEST CONDUIT DIAMETER IN LENGTH AND MIN, 4" DEEP AND 8" WIDE.
E. IT SHALL BE THE RESPONSIBILITY OF THE E.C. TO INSURE THAT THE PATHWAY FOR THE DATA CABLING DOES NOT CREATE CABLE LENGTHS TO EXCEEDS THE LENGTH OF 295FT FROM OUTLET TO PATCH PANEL, THIS INCLUDES SERVICE LOOPS AND PATCH CORDS.
F. CONFIRM EXACT LOCATIONS OF ALL TELEPHONE/DATA OUTLETS WITH OWNER PRIOR TO ROUGH-IN.
G. MAINTAIN 24" MIN. CLEARANCE FROM ALL COMMUNICATIONS CABLING AND ELECTRONIC BALLASTS.
H. DATA CABLING SYSTEM PRE-INSTALLATION CONFERENCE:
   1. E.C. SHALL SCHEDULE A MEETING A MINIMUM OF FIVE CALENDAR DAYS PRIOR TO BEGINNING DATA CABLING INSTALLATION . ATTENDEES SHOULD INCLUDE OWNER'S REP., ENGINEER, GC, EC AND CABLING SUB.

ABBREVIATIONS

P	SINGLE POLE	V	KILOVOLT
1PH	SINGLE-PHASE	KVA	KILOVOLT AMPERE
2/C	TWO-CONDUCTOR	kW	KILOWATT
3/C	THREE-CONDUCTOR	kWh	KILOWATT HOUR
3P	THREE POLE	LED	LIGHT EMITTING DIODE
3PH	THREE-PHASE	LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
3W	THREE-WIRE	LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
4W	FOUR-WIRE	LTG	LIGHTING
AC	ABOVE COUNTER	LV	LOW VOLTAGE
ADA	AMERICANS WITH DISABILITIES ACT	MAX	MAXIMUM
AFF	ABOVE FINISHED FLOOR	M.C.	MECH. CONTRACTOR
AFG	ABOVE FINISHED GRADE	MCA	MINIMUM CIRCUIT AMPS
AIC	AMPERE INTERRUPTING CAPACITY	MCB	MAIN CIRCUIT BREAKER
AL	ALUMINUM	MCC	MOTOR CONTROL CENTER
A or	AMPERE	MDP	MAIN DISTRIBUTION PANEL
AMP	ANNUNCIATOR	MH	MANHOLE
ANN	ACCESS POINT	MIN	MINIMUM
AP	(WIRELESS DATA)	MLO	MAIN LUGS ONLY
ATS	AUTOMATIC TRANSFER SWITCH	MOCP	MAXIMUM OVERCURRENT PROTECTION
AV	AUDIO VISUAL	NA	NOT APPLICABLE
AWG	AMERICAN WIRE GAGE	NC	NORMALLY CLOSED
BFG	BELOW FINISHED GRADE	NEC	NATIONAL ELECTRICAL CODE
C	CEILING MOUNTED	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CATV	CABLE TELEVISION	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CB	CIRCUIT BREAKER	NIC	NOT IN CONTRACT
CCTV	CLOSED CIRCUIT TELEVISION	NL	NIGHT LIGHT
CKT	CIRCUIT	NO	NORMALLY OPEN
C	CONDUIT	NTS	NOT TO SCALE
CP	CONTROL PANEL	OC	ON CENTER
CT	CURRENT TRANSFORMER	OH DR	OVERHEAD DOOR
CU	COPPER	OL	OVERLOAD
DS	DISCONNECT SWITCH	PB	PUSHBUTTON
EA	EACH	P	PHASE
E.C.	ELECTRICAL CONTRACTOR	PNL	PANEL
EM	EMERGENCY	PT	POTENTIAL TRANSFORMER
EMT	ELECTRICAL METALLIC TUBING	PTZ	PAN/TILT/ZOOM
ENT	ELECTRICAL NONMETALLIC TUBING	QTY	QUANTITY
EPO	EMERGENCY POWER OFF	RCP	REFLECTED CEILING PLAN
EQUIP	EQUIPMENT	RMC	RIGID METAL CONDUIT
EX	EXISTING	RNC	RIGID NONMETALLIC CONDUIT
FA	FIRE ALARM	SCA	SHORT CIRCUIT AMPS
FACP	FIRE ALARM CONTROL PANEL	SCBA	STANDARD COLOR BY ARCHITECT
FLA	FULL LOAD AMPS	SF	SQUARE FOOT (FEET)
FMC	FLEXIBLE METAL CONDUIT	SPD	SURGE PROTECTION DEVICE
GND	GROUND	SPEC	SPECIFICATION
G.C.	GENERAL CONTRACTOR	SWBD	SWITCHBOARD
GEN	GENERATOR	SWGR	SWITCHGEAR
GFI	GROUND FAULT CIRCUIT INTERRUPTER	TL	TWIST LOCK
GFP	GROUND FAULT PROTECTION	TP	TWISTED PAIR
HD	HEAVY DUTY	TTB	TELEPHONE TERMINAL BOARD
HID	HIGH INTENSITY DISCHARGE	TV	TELEVISION
HOA	HAND-OFF-AUTOMATIC	TYP	TYPICAL
HP	HORSE POWER	UG	UNDERGROUND
HPS	HIGH PRESSURE SODIUM	UPS	UNINTERRUPTIBLE POWER SUPPLY
HV	HIGH VOLTAGE	V	VOLTS
HZ	HERTZ	VA	VOLT AMPERE
IG	ISOLATED GROUND	V.I.F.	VERIFY IN FIELD
IMC	INTERMEDIATE METAL CONDUIT	VFD	VARIABLE FREQUENCY DRIVE
J-BOX	JUNCTION BOX	WAP	WIRELESS ACCESS POINT
		W/	WITH
		W/O	WITHOUT
		WP	WEATHERPROOF
		XFMR	TRANSFORMER

TYPICAL DEVICE MOUNTING HEIGHTS:





GENERAL DETAIL NOTES:

A. ALL MOUNTING HEIGHTS ARE TYPICAL UNLESS NOTED OTHERWISE
B. E.C. SHALL COORDINATE ALL DEVICES HEIGHTS WITH ARCHITECTS ELEVATION/MILLWORK DWGS. TO INSURE THAT OUTLETS WILL NOT FALL BEHIND CABINETS, BACKSPLASH OR INTERFERE WITH WAINSCOTING, ETC. AND REPORT ANY CONFLICTS TO ARCHITECT "PRIOR TO ROUGH-IN"
C. ALL SWITCHES SHALL BE MOUNTED AS CLOSE TO DOOR JAMS AS POSSIBLE, COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECTURAL PLANS AND DETAILS
D. COORDINATE LIGHT SWITCH AND OUTLET HEIGHTS WITH ARCHITECTURAL WAINSCOTING AND/OR TILE WORK SO AS NOT TO FALL MIDWAY IN THESE FINISHES.

ELECTRICAL SPECIFICATIONS

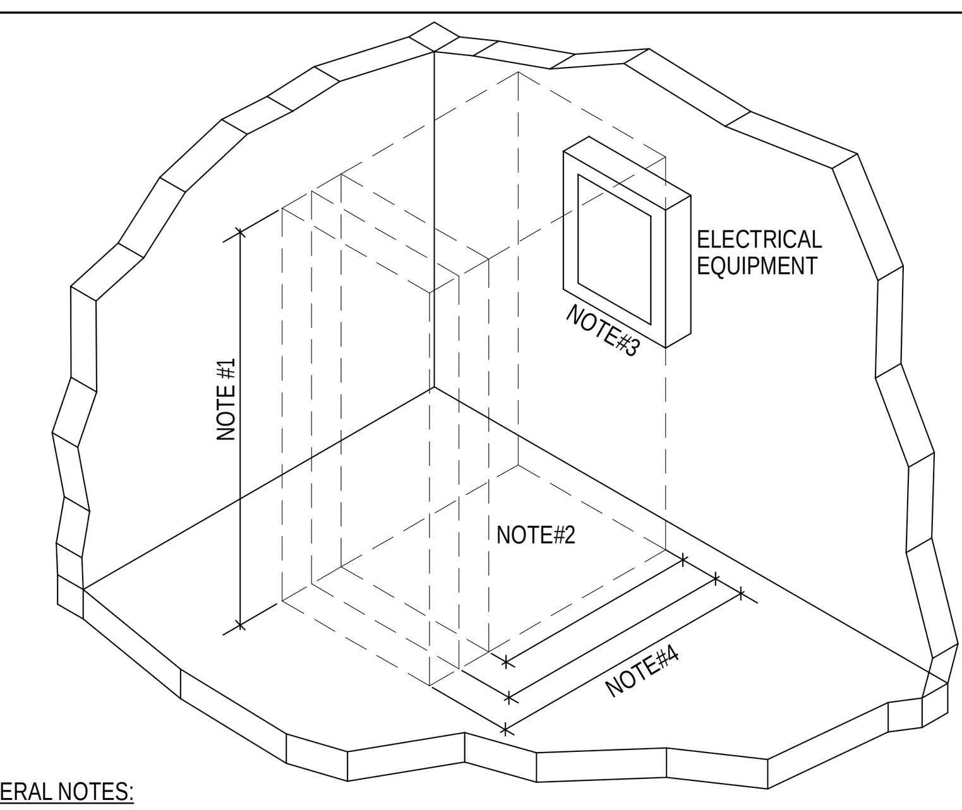
1. INTENT:
   Provide and install complete and operable electrical systems including but not not limited to; lighting, power, receptacles, data, fire alarm ande etc.
   Provide all required connections to all Mechanical and Plumbing equipment, as indicated and required, including all conduits, wiring and controls. Coordinate with mechanical contractor and drawings.
2. COMPLIANCE WITH CODES:
   All work and material shall comply with all applicable codes, safety orders, laws, ordinances and regulations of governing authorities and other agencies having jurisdiction including regulations of the State and Local Fire Marshall, unless detailed as specified to a more restrictive standard or higher requirement.
3. INTERPRETATION OF DRAWINGS:
   The electrical drawings are essentially diagrammatic in that all provisions necessary to conform to structural, architectural, mechanical and plumbing systems can not be shown. All installations shall be adjusted as necessary to conform and to avoid obstructions, without additional cost to the owner.
   All work, material and equipment called for by notes, schedules or otherwise indicated on the drawings shall be furnished and isntalled as though fully set forth in these specifications.
4. VISITING THE SITE:
   Contractor shall visit the site and become acquainted with conditions to be encounterd. Extra funds will not be allowed due to failuer to examine the site and to included existing conditions in bid price.
5. COORDINATION WITH UTILITIES:
   These plans have been prepared without utility company comments. The contractor shall verify exact requirements for the electrical, telephone and communication services with the utility company representatives and provide all work and pay all costs for a complete and operating systems, as directed by the governing utilities.
6. MATERIALS AND WORKMANSHIP:
   All workmanship shall be performed by skilled electricians using the best standard practives of the trade. All materials shall, unless otherwise noted, be new and in perfect condition and working order. All material for similar uses shall be of the same type, material and manufacturer for ease of future maintaenance.
   All equipment shall be readily accessible for maintenance and repairs. All materials, fixtures and equipment shall be covered or sealed upon installation so as to provide for safety and to insure that operation and appearance will be maintained after subsequent construction operations.
7. EXECUTION:
   Raceway installation: Seperate underground conduits in a common trench 4" minimum horizontally, 12" minimum from other utility lines. Minimum conduit depth shall be 18".
   Coordinate conduit installation with pipes, steel, footings and ducts installed by other trades. Install conduit runs exposed to view parallel or at right angles to structural members, walls or building lines. Support conduit with one-hole malleable factory made pipe straps, fastended with screws.
8. OPERATING AND ADJUSTING:
   The owner reserves the right to operate any systems of equipment prior to final comletion and acceptance of the work. Such perliminary operation shall not be construed as an acceptance of any work.
   Each piece of equipment and all of the systems shall be adjusted to insure proper functioning and shall be left in first class operating condition.
9. CUTTING AND PATCHING:
   Do all drilling and cutting as necessary for installation of equipment or conduit. Cutting or drilling of structure is only permitted with prior approval of the owner and structural engineer.
   Where cutting and patching of work is necessary, use the same materials, workmanship and finish to neatly match all surrounding work.
10. CONDUIT:
    All conduit material and installation methods shall be as allowed by the NEC, local AHJ and as directed by the owner.
11. CONDUCTORS:
    Type THWN or THHN copper wire insulated for 600V.
    Smallest wire shall be #14 AWG unless noted otherwise.
    All wiring shall be Copper unless indicated otherwise.
    Type MC cable shall be permitted, provided it is installed in concealed areas and installation complies with the Local AHJ and NEC requirements.

    Use "Ideal Yellow" pulling compound for all wire pulls.
    Use Scotchlock connectors for all splices in #12 wire and tape bolted pressure connectors for larger wire.
12. GROUNDING:
    All conduit, branch circuits, feeders and etc. shall be provided with a grounding conductor. All grounding conductors shall be insulated and green in color, size as shown.
13. WIRING DEVICES:
    Devices shall be Standard type, Specification grade, color as selected by owner. Decora style devices are prohibited. Utilize GFCI and Tamper-proof devices in all locations as defined by the NEC.
    Wiring devices shall be as installed as allowed by the NEC, local AHJ.
14. DEVICE PLATES:
    Devices plate type and color shall be as directed by owner and as required by the NEC.
15. LIGHTING FIXTURES:
    As selected by owner and/or indicated in schedules. All light fixtures shall be installed and connected by the Electrical Contractor.
16. SERVICE EQUIPMENT & PANELBOARDS:
    Service Equipment: Shall be rated as such and shall comply with local utility co. requirments. .
    Panelbards: Shall be provided with typed writtend directories indicating loads being served.
    Maintain all required clearances around equipment as required by the NEC.
    All equpment dimensions to be field verified.
17. CLEAN-UP:
    Upon completion of the work, prior to final inspection, thoroughly clean all exposed fixtures, trim and equipment and leave the entire installation in a neat, clean and usable condition. Remove all cement, paint, grease, oil and other foreign substances.
18. TEST:
    Test all conductors for shorts, opens, grounds or other defects. Correct any defective work and re-test.
    Demonstrate continuous satisfactory operation of all electrical systems and equipment.
    Provide training to the owner on electrical systems as needed for owner operation and maintenance of building.
19. GUARANTEE:
    Prior to final acceptacne of the project, deliver to the owner a written one year guarantee on all workmanship, materials and equipment and agree to repair or replace all such defective items promptly that may occure during the warranty period; including repair or replacement of the premises that may be damaged due to faulty work and materials furnished under contract.

PROJECT GENERAL NOTES:

A. E.C. SHALL REFER TO THE MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT AND ELECTRICAL CONNECTIONS.
B. E.C. SHALL PROVIDE MINIMUM WORKING CLEARANCE AS PER NEC BEFORE INSTALLING ANY ELECTRICAL PANELS OR CABINETS. SEE ELECTRICAL EQUIPMENT CLEARANCE DETAIL.
C. INSTALL ALL LIGHT FIXTURES IN MECHANICAL ROOM AFTER THE MECHANICAL EQUIPMENT IS IN PLACE. ADJUST AS NECESSARY. PROVIDE CHAIN SUSPENSION KITS AS REQUIRED.
D. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN(S) FOR EXACT FIXTURE LOCATIONS, CEILING TYPES, ETC.
E. E.C. SHALL PROVIDE ALL CONCRETE PADS AS REQUIRED FOR ALL ELECTRICAL EQUIPMENT.
F. CONFIRM EXACT LOCATIONS OF ALL TELEPHONE/DATA OUTLETS WITH OWNER PRIOR TO ROUGH-IN.
G. LOCATE SWITCHES, OUTLETS, ETC., SHOWN AT ROOM ENTRY DOORWAYS, AS CLOSE TO DOOR FRAME AS POSSIBLE, SO AS NOT RO INTERFERE WITH ROOM CABINETS, ETC.
H. SUPPORT ALL LIGHT FIXTURES INDEPENDENT OF CEILING.
I. ELECTRICAL CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS FOR WORK AND PAY ASSOCIATED FEES.
J. MAINTAIN 24" MIN. CLEARANCE FROM ALL COMMUNICATIONS CABLING AND ELECTRONIC BALLASTS.
K. UNLESS SPECIFICALLY INDICATED OTHERWISE, E.C. SHALL COORDINATE WITH ANY SPECIAL SYSTEMS SUPPLIER/SHOP DRAWINGS; DENTAL, MEDICAL, KITCHEN, SPECIALIZED EQUIPMENT, ETC. FOR THE EXACT ROUGH-IN REQUIREMENTS FOR THEIR EQUIPMENT. ALSO UNLESS INDICATED OTHERWISE, THE E.C. TO BE RESPONSIBLE FOR FINAL ELECTRICAL CONNECTIONS TO ALL SPECIAL EQUIPMENT.
L. ALL CONDUIT/RACEWAY/CABLES TO BE CONCEALED IN WALLS OR ABOVE CEILINGS. IF ANY SURFACE WORK IS NECESSARY, IT SHALL BE APPROVED BY THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION.
M. ELECTRICAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND THOROUGHLY INVESTIGATE THE EXISTING CONDITIONS, AS THEY RELATE TO THE SCOPE OF WORK DESCRIBED. MAKE NECESSARY PROVISIONS IN THE BASE BID TO ADEQUATELY ACCOMMODATE THESE CONDITIONS.
N. DATA CABLING SYSTEM PRE-INSTALLATION CONFERENCE:
   1. E.C. SHALL SCHEDULE A MEETING A MINIMUM OF FIVE CALENDAR DAYS PRIOR TO BEGINNING DATA CABLING INSTALLATION . ATTENDEES SHOULD INCLUDE OWNER'S REP., ENGINEER, GC, EC AND CABLING SUB. REFER TO SECTION 26 6210(1.4)(E) FOR ADDITIONAL INFORMATION.

ELECTRICAL EQUIP. CLEARANCE



GENERAL NOTES:

A. ALL WORKING SPACE CLEARANCES ARE FROM THE FACE OF THE EQUIPMENT.

NOTES:

1. THE MINIMUM HEADROOM OF WORKING SPACE SHALL BE 6 1/2FT.
2. THE WIDTH OF THE WORKING SPACE SHALL BE THE WIDTH OF THE EQUIPMENT OR 30", WHICHEVER IS GREATER. THE PANEL DOOR SHALL OPEN AT LEAST 90 DEGREES.
3. ALL CIRCUIT BREAKERS, WHEN IN THIER HIGHEST POSITION, SHALL NOT BE MORE THAN 6FT 7 IN. ABOVE THE FINISHED FLOOR.
4. 3FT CLEARANCE IF 0-150V TO GROUND, 3.5FT CLEARANCE IF 151-600V TO GROUND. 4FT IF EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORKING SPACE.

PROFESSIONAL ENGINEER REGISTERED 13053 03/01/24 STATE OF IDAHO SHAWN A. MEADOR

PROJECT #: 23150
PAYNE Engineering Inc. Consulting Engineers
1823 E. Center
Pocatello, Idaho 83201
tel (208) 232-4439
www.payneengineeringinc.com

DATE

A REMODEL FOR:
FILER AUDITORIUM
299 US-30, Filer, ID 83328

ELECTRICAL SYMBOLS & DETAILS

Laughlin Ricks Architecture
architecture/planning
134 3RD AVE. E. * Twin Falls, Idaho 83301
PHONE: (208) 736-8050

DATE: 03/01/24

SAM	TEP
Drawn	Checked

23057
PROJECT #

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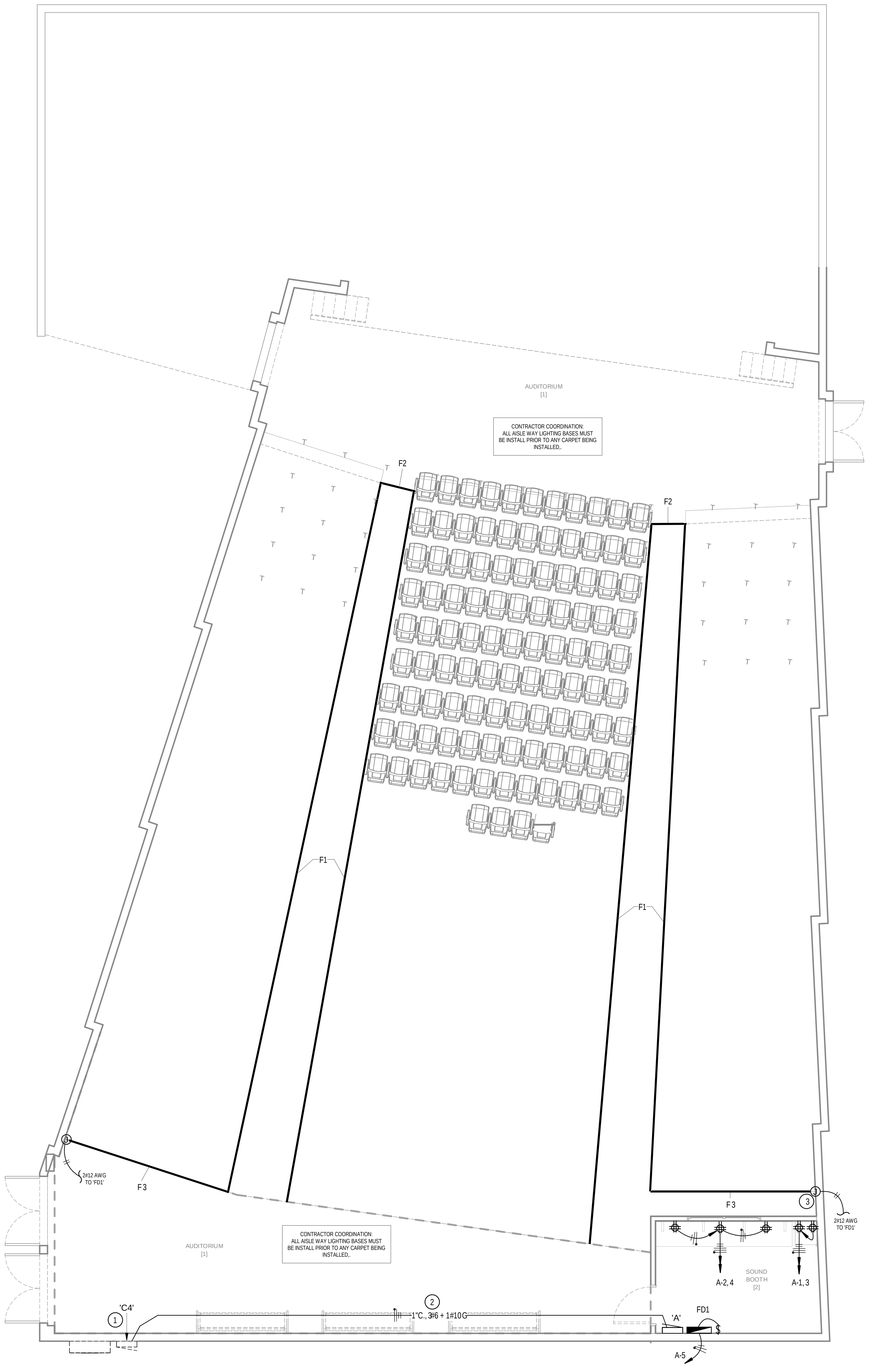


1 ELECTRICAL PLAN
SCALE: 3/16" = 1'-0"
0" 8' 16'

The stamped documentation has been Reviewed for Compliance in accordance with the 2023 NEC as adopted by the State of Idaho by an Electrical Plan Review. This shall not be construed as an approval of any violation of, or variance from Idaho adopted codes, laws, standards, or rules. Final approval will be based upon on-site electrical inspections to field verify compliance. Additional Electrical Plan Review Notes can be found on additional Electrical Drawing Sheets

KEY NOTES:

1. E.C. SHALL PROVIDE AND INSTALL (2) 20A TANDEM CIRCUIT BREAKERS IN EXISTING PANEL TO PROVIDE SPACE FOR NEW 50A/2P BREAKER TO FEED NEW SUB-PANEL 'A'. EXISTING PANEL IS CUTLER-HAMMER TYPE PB PANELBOARD. FIELD VERIFY EXISTING BREAKER COMPATIBILITY PRIOR TO ORDERING EQUIPMENT.
2. ROUTE FEEDER TO NEW PANEL ABOVE ACCESSIBLE CEILING AS MUCH AS POSSIBLE TO LIMIT VISIBILITY OF CONDUIT.
3. E.C. SHALL UTILIZE SURFACE MOUNTED WIREMOLD FROM ACCESSIBLE WITH J-BOX AT LOCATED AT FLOOR FOR TRANSITION/ROUTING OF CONDUCTORS TO AISLE LIGHTING. FIELD COORDINATE EXACT ROUTING AND PLACEMENT OF J-BOX. WIREMOLD V500 SERIES, PROVIDE ALL COMPONENTS FOR A COMPLETE INSTALLATION.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	VOLTS	LUMENS	COLOR TEMP.(K)	MFGR.	CATALOG #	NOTES
F1	CARPET TO FLOOR LED AISLE LIGHTING, 12" ON CENTER, FIELD CUTTABLE	SURFACE	24VDC	.25W/FT	3000	ALUZ LIGHTING	A7-ZYKU-CRF-12-PH-30K-SLC-**	2, 3, 4
F2	CARPET TO CARPET LED AISLE LIGHTING, 12" ON CENTER, FIELD CUTTABLE	SURFACE	24VDC	.25W/FT	3000	ALUZ LIGHTING	A7-ZYKU-CRP-12-PH-30K-SLC-**	2, 3, 4
F3	CARPET TO FLOOR AISLE LIGHTING RACEWAY, FIELD CUTTABLE	SURFACE	N/A	N/A	N/A	ALUZ LIGHTING	A7-ZABA-DUL-RW-8 (END CAPS AS NEEDED)	2, 3, 4
FD1	96W, 24V DRIVER FOR AISLE LIGHTING	WALL NEXT TO PANEL	120	N/A	N/A	ALUZ LIGHTING	DRV96-E-UNV-24VDC-PH-DRY	

LIGHT FIXTURE SCHEDULE NOTES:

1. REFER TO DRAWINGS FOR FIXTURES REQUIRED TO HAVE 0-10V OR STEP-LEVEL DIMMING CONTROL. PROVIDE FIXTURE(S) WITH LED DRIVER(S) AND REQUIRED DIMMING/SWITCH-LEG CONDUCTORS BETWEEN SWITCH(ES) AND FIXTURE(S) TO PROVIDE CONTROL AS INDICATED ON DRAWINGS.
2. PROVIDE ALL COMPONENTS FOR COMPLETE INSTALLATION OF AISLE LIGHTING, INCLUDING BUT NOT LIMITED TO; END FEEDS, CONNECTORS ADHESIVE, END CAPS AND ETC.
3. E.C. SHALL INSTALL ALL AISLE LIGHITNG BASE SYSTEMS PRIOR TO INSTALLATION OF CARPET, E.C SHALL COORDINATE INSTALLATION WITH G.C. AND CARPET INSTALLER PRIOR TO INSTALL.
4. E.C. SHALL FIELD MEASURE FOR EXACT LENGTHS OF AISLE LIGHTING PRIOR TO ORDERING AS FLOOR IS SLOPED AND ACTUAL FIXTURE LENGTHS ARE NOT REPRESENTED.ON DRAWINGS.

GENERAL LIGHTING SCHEDULE NOTES:

- LIGHTING FIXTURES INDICATED IN SCHEDULE ARE BASIS OF DESIGN, ALTERNATE MANUFACTURERS SHALL BE PRE-APPROVED BY ADDENDUM. ALTERNATE MANUCATURERS SHALL SUBMIT PER-APPROVALS TO ENGINEER A MINIMUM OF 10 DAYS PRIOR TO PROJECT BID DATE.

PANEL: A

PAYNE ENGINEERING

LOCATION: SOUND BOOTH 2
FED FROM: C4
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
MFG & MODEL: SQ. D/QO SERIES
VOLTAGE: 120/208 Single
PHASES: 1
WIRES: 3
BUSSING: SEE SPEC'S
DIMENSIONS: 20"W x 5.8"D x *"H
A.I.C. RATING: 10k
PANEL TYPE: MLO
PANEL AMPS: 100 A
MBR AMPS: N/A
FEED: TOP
PROJECT: AUDITORIUM REMODEL
NOTES:

CKT	CIRCUIT DESCRIPTION	NOTE	AMPS	P	A		B		P	AMPS	NOTE	CIRCUIT DESCRIPTION	CKT
1	Receptacle - Sound Rack		20 A	1	360	720			1	20 A		Receptacle	2
3	Receptacle - Sound Rack		20 A	1			360	360	1	20 A		Receptacle	4
5	Aisle Lighting		20 A	1	100	0			1	20 A	--	SPARE	6
7	SPARE	--	20 A	1			0	0	1	20 A	--	SPARE	8
9	SPARE	--	20 A	1	0	0			1	20 A	--	SPARE	10
11	SPARE	--	20 A	1			0	0	1	20 A	--	SPARE	12
				TOTAL LOAD:	1.2 kVA		0.7 kVA						
				TOTAL AMPS:	11 A		7 A						
				TOTAL ESTIMATED DEMAND AMPS:	9 A								

BRK NOTES:
A = ARC-FAULT BREAKER
S = SHUNT-TRIP BREAKER
GP = GFEPD BREAKER
G = GFCI BREAKER
LCP = CRKT TO BE ROUTED THROUGH LTG CONTROL PANEL
R = RED HANDLED, LOCK-OUT TYPE

PROFESSIONAL ENGINEER REGISTERED 13053 03/01/24 STATE OF IDAHO SHAWN A. MEADOR

PROJECT #: 23150
PAYNE Engineering Inc.
1823 E. Center
Pocatello, Idaho 83201
tel (208) 232-4439
www.payneengineeringinc.com

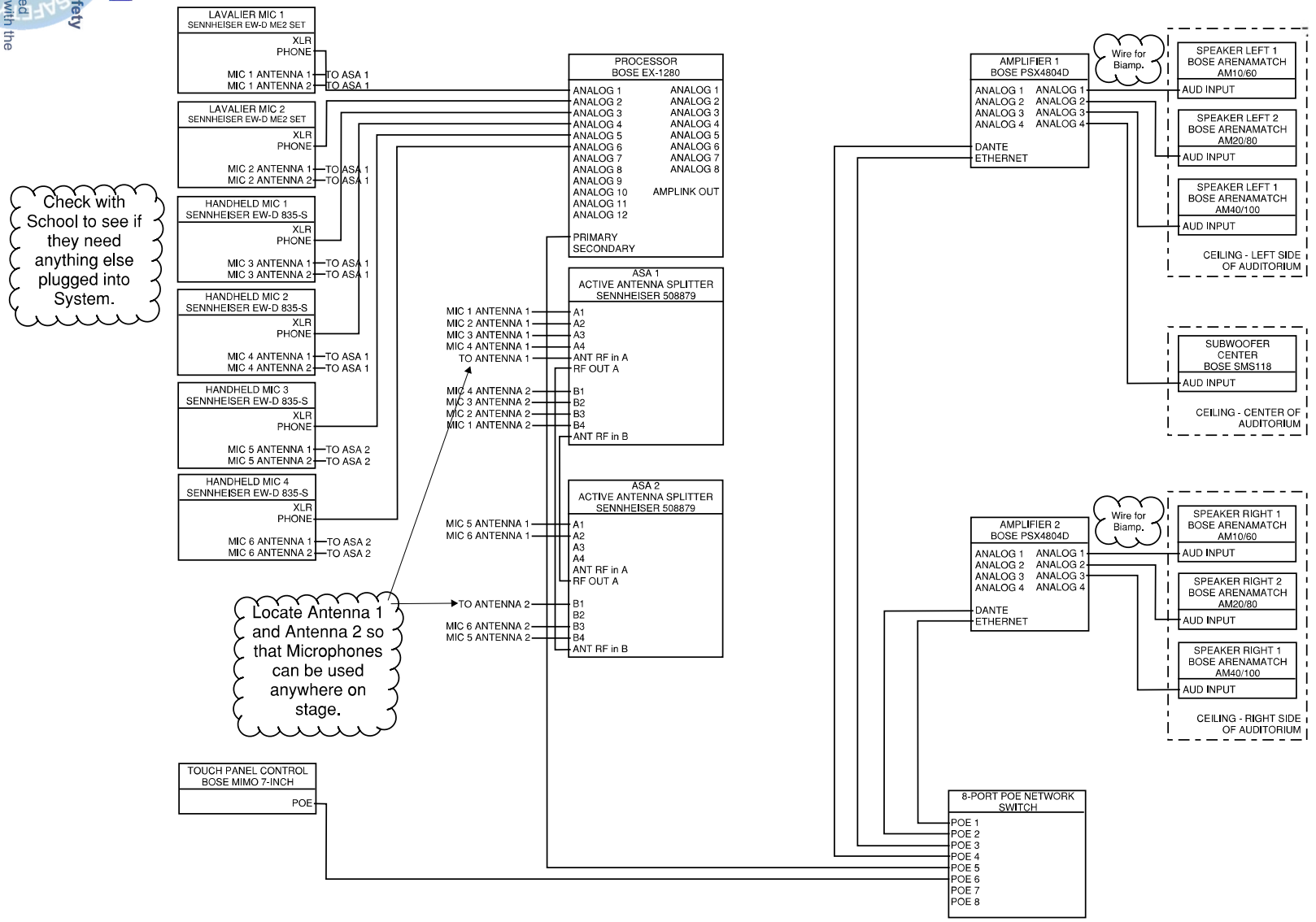
DATE

A REMODEL FOR:
FILER AUDITORIUM
299 US-30, Filer, ID 83328
ELECTRICAL PLAN

Laughlin Ricks Architecture
architecture/planning
134 3RD AVE. E. * Twin Falls, Idaho 83301
PHONE: (208) 736-8050

DATE: 03/01/24
SAM Drawn
TEP Checked
23057
PROJECT #

E1.0



AUDITORIUM AUDIO SYSTEM ONE-LINE

AATRONICS, LLC
www.aatronics.com
7840 W. Gratz Dr.
Boise, Idaho 83709
Phone: 208.343.0900
Fax: 208.344.9087
Toll Free: 800.635.5945

AATRONICS, LLC AUDIO VIDEO SYSTEMS INTEGRATORS

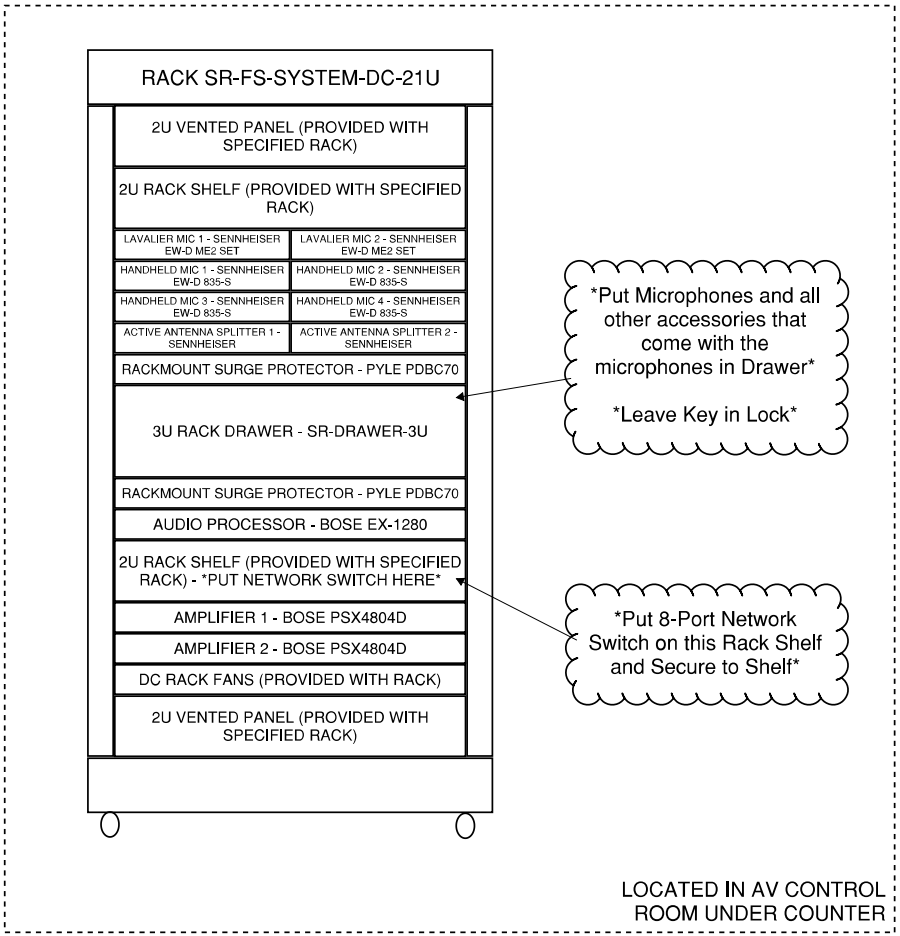
FILER MIDDLE SCHOOL

CLIENT:

JOB NO.:	xxxxxxxx
PROJ MGR:	xxx
DESIGNER:	xxx
DRAWN BY:	xxx
CHECKED BY:	xxx
DATE:	xx/xx/xx

SHEET NUMBER

AV.1



AUDITORIUM AUDIO RACK ELEVATION

AATRONICS, LLC
www.aatronics.com
7840 W. Gratz Dr.
Boise, Idaho 83709
Phone: 208.343.0900
Fax: 208.344.9087
Toll Free: 800.635.5945

AATRONICS, LLC AUDIO VIDEO SYSTEMS INTEGRATORS

CLIENT: FILER MIDDLE SCHOOL

JOB NO.:	xxxxxxxx
PROJ MGR:	xxx
DESIGNER:	xxx
DRAWN BY:	xxx
CHECKED BY:	xxx
DATE:	xx/xx/xx

SHEET NUMBER

AV.2