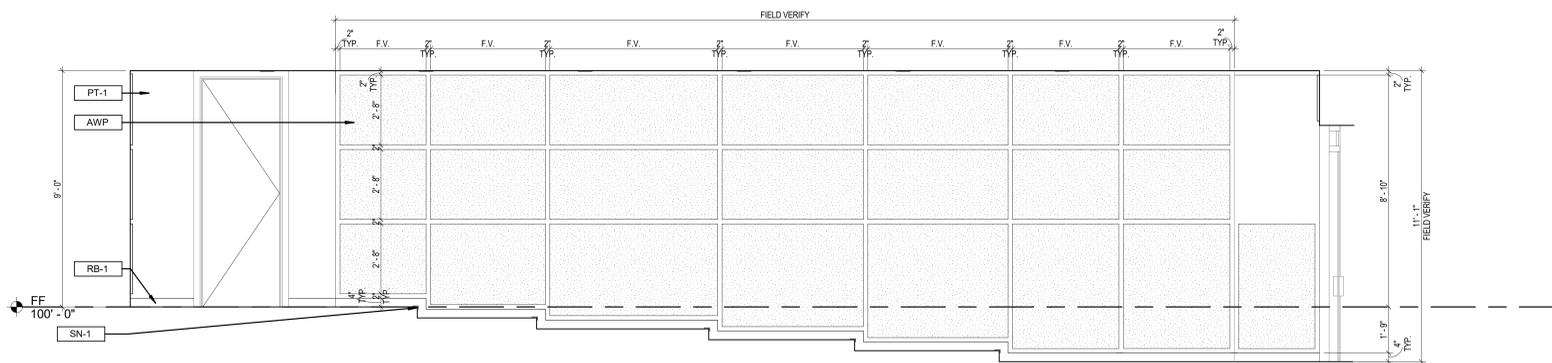
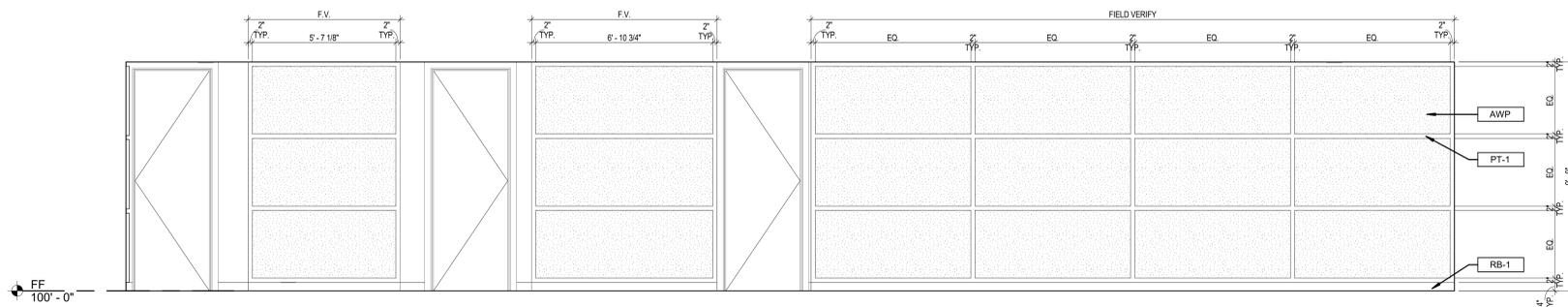


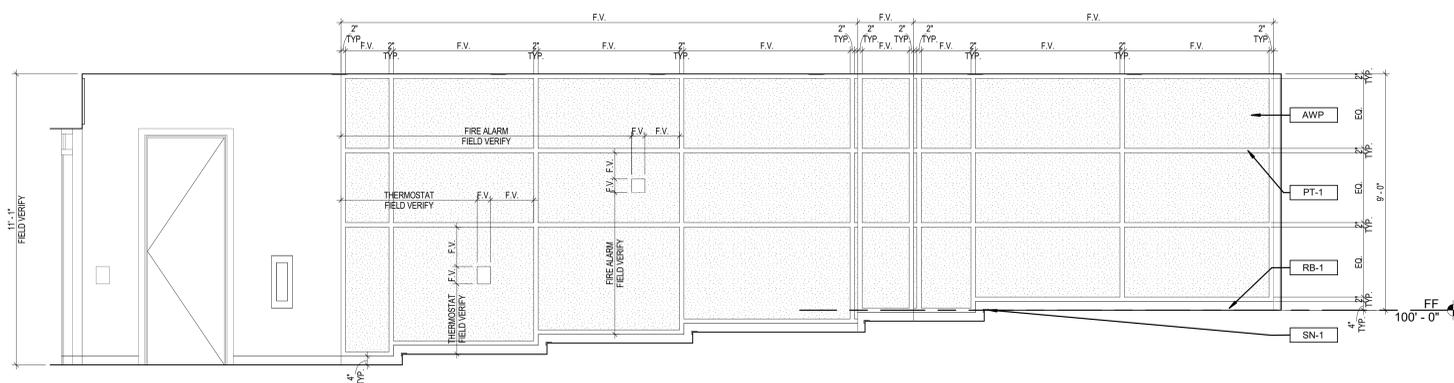
1 INTERIOR ELEVATION - NORTH
SCALE: 3/8" = 1'-0"



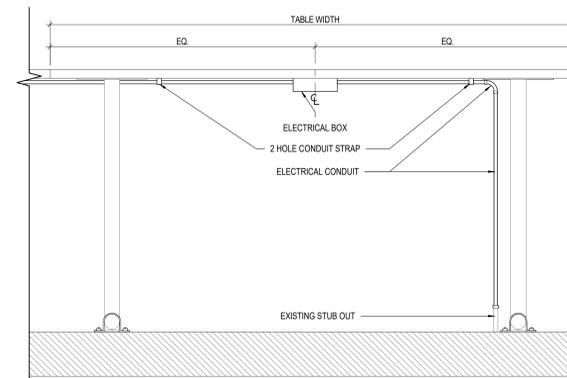
2 INTERIOR ELEVATION - WEST
SCALE: 3/8" = 1'-0"



3 INTERIOR ELEVATION - SOUTH
SCALE: 3/8" = 1'-0"

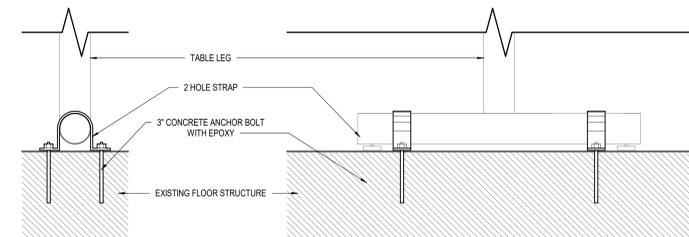


4 INTERIOR ELEVATION - EAST
SCALE: 3/8" = 1'-0"



NOTE:
ELECTRICAL CONDUIT TO
CONTINUE AND PROVIDE POWER
TO THE ADJACENT DESKS.

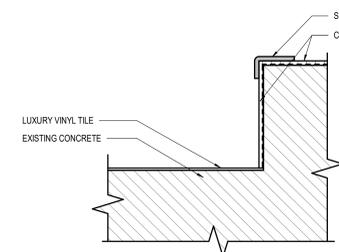
5 TABLE POWER SUPPLY
SCALE: 1 1/2" = 1'-0"



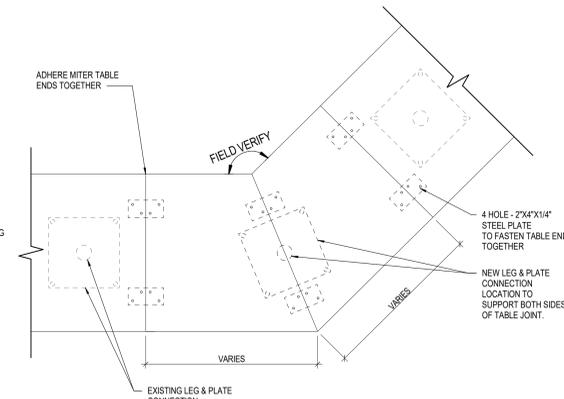
6 TABLE LEG ANCHOR
SCALE: 3" = 1'-0"



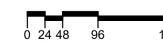
7 STAIR NOSING
SCALE: 3" = 1'-0"



8 FLOORING TRANSITION
SCALE: 3" = 1'-0"



9 TABLE VERTEX CONNECTION
SCALE: 1 1/2" = 1'-0"

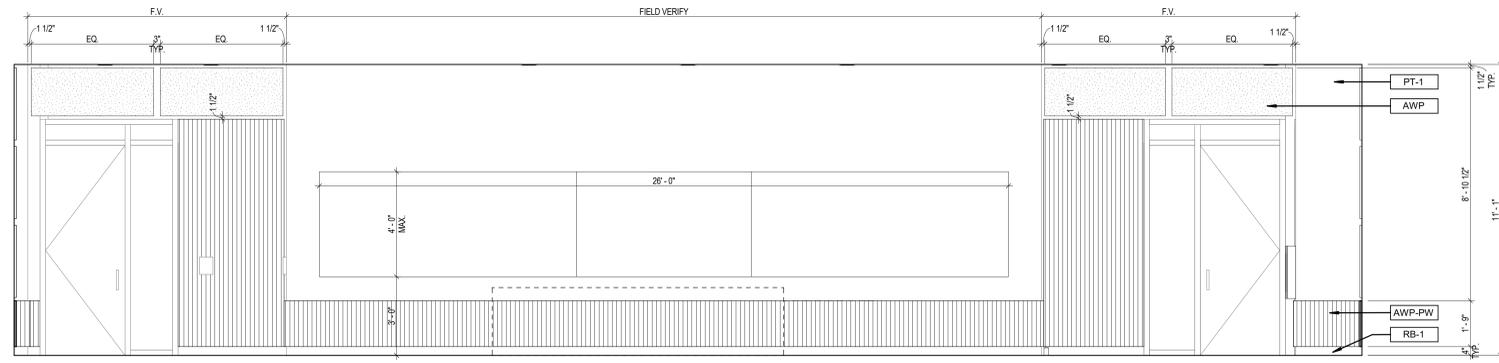


Issue / Revisions	No.	Date	Description
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	2		
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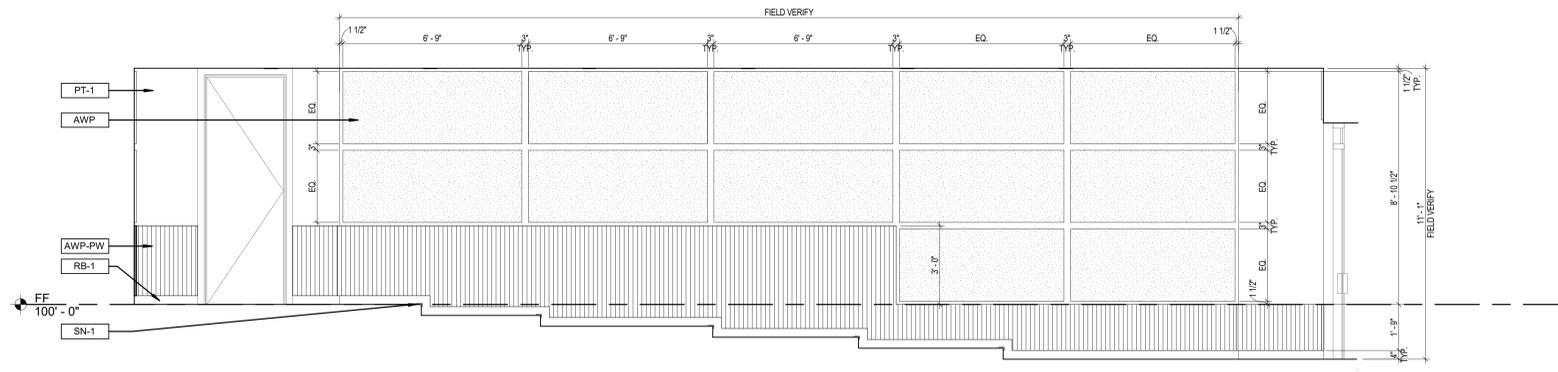


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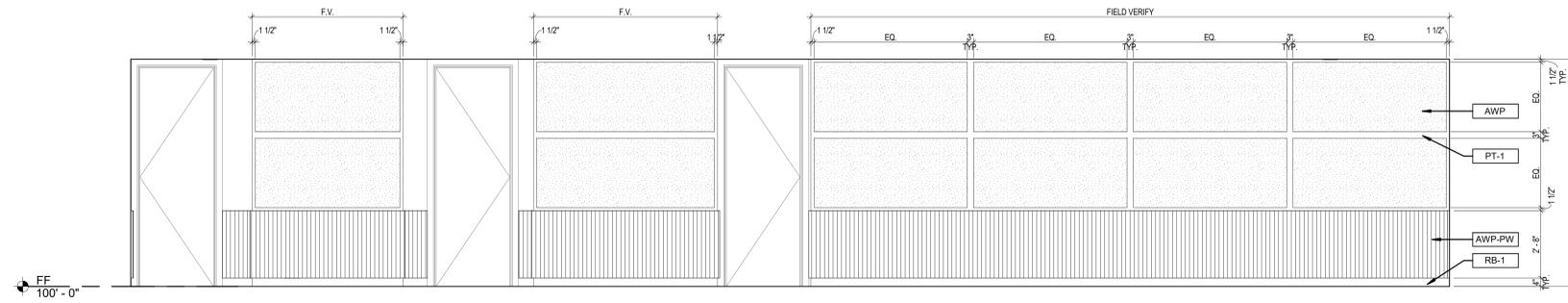
INTERIOR
ELEVATIONS &
DETAILS



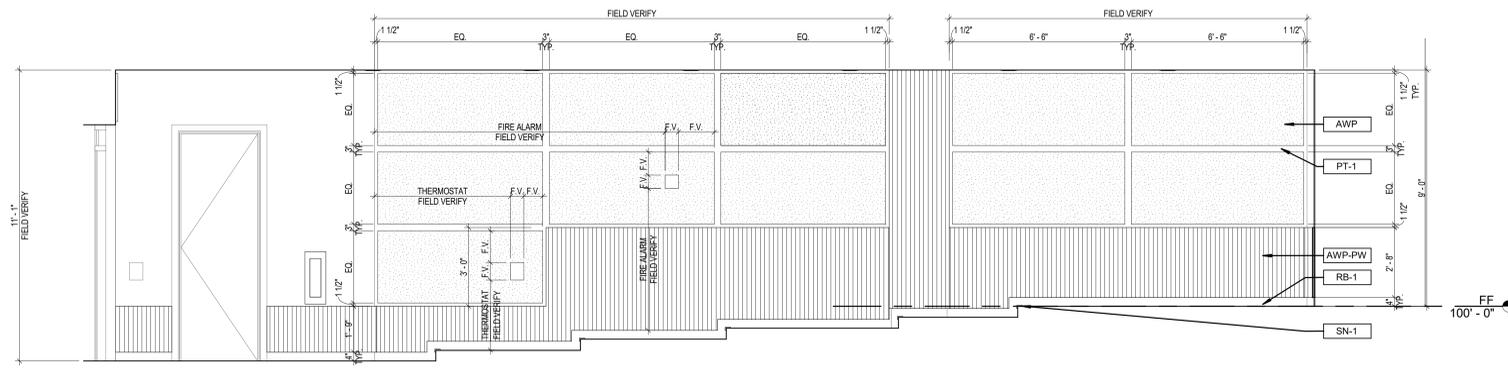
1 INTERIOR ELEVATION - NORTH - ALT. #1
SCALE: 3/8" = 1'-0"



2 INTERIOR ELEVATION - WEST - ALT. #1
SCALE: 3/8" = 1'-0"



3 INTERIOR ELEVATION - SOUTH - ALT. #1
SCALE: 3/8" = 1'-0"



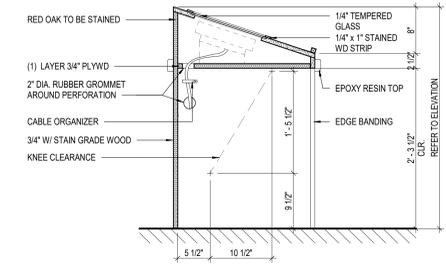
4 INTERIOR ELEVATION - EAST - ALT. #1
SCALE: 3/8" = 1'-0"

MILLWORK NOTES

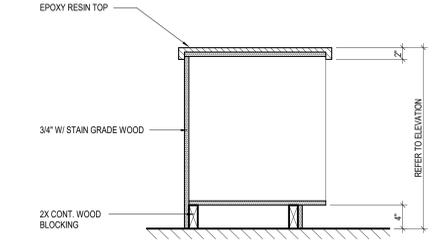
- ALL CABINET CONSTRUCTION TO BE STAIN GRADE CONSTRUCTION UNLESS NOTED OTHERWISE.
- SEE PLAN FOR LOCATION AND QUANTITY OF ALL UNITS.
- FIELD VERIFY ALL DIMENSIONS.

MILLWORK LEGEND

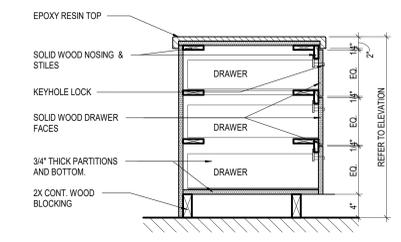
GRAPHIC SYMBOL INDICATES DIRECTION OF VIEW ON PLAN SHEET.



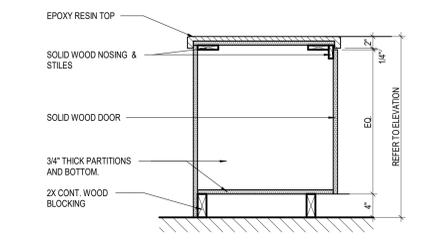
9 MILLWORK SECTION
SCALE: 1" = 1'-0"



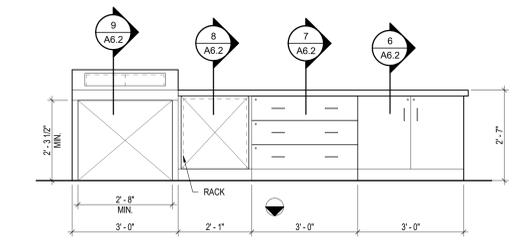
8 MILLWORK SECTION
SCALE: 1" = 1'-0"



7 MILLWORK SECTION
SCALE: 1" = 1'-0"



6 MILLWORK SECTION
SCALE: 1" = 1'-0"



5 MILLWORK
SCALE: 1/2" = 1'-0"

5/16/2022 10:26:46 AM BM 2021.0221 - 08/19/2021 08:19:53 STC Lecture Hall Revise 04/20/21 08/19/2021 08:19:53 STC Lecture Hall Revise 04/20/21

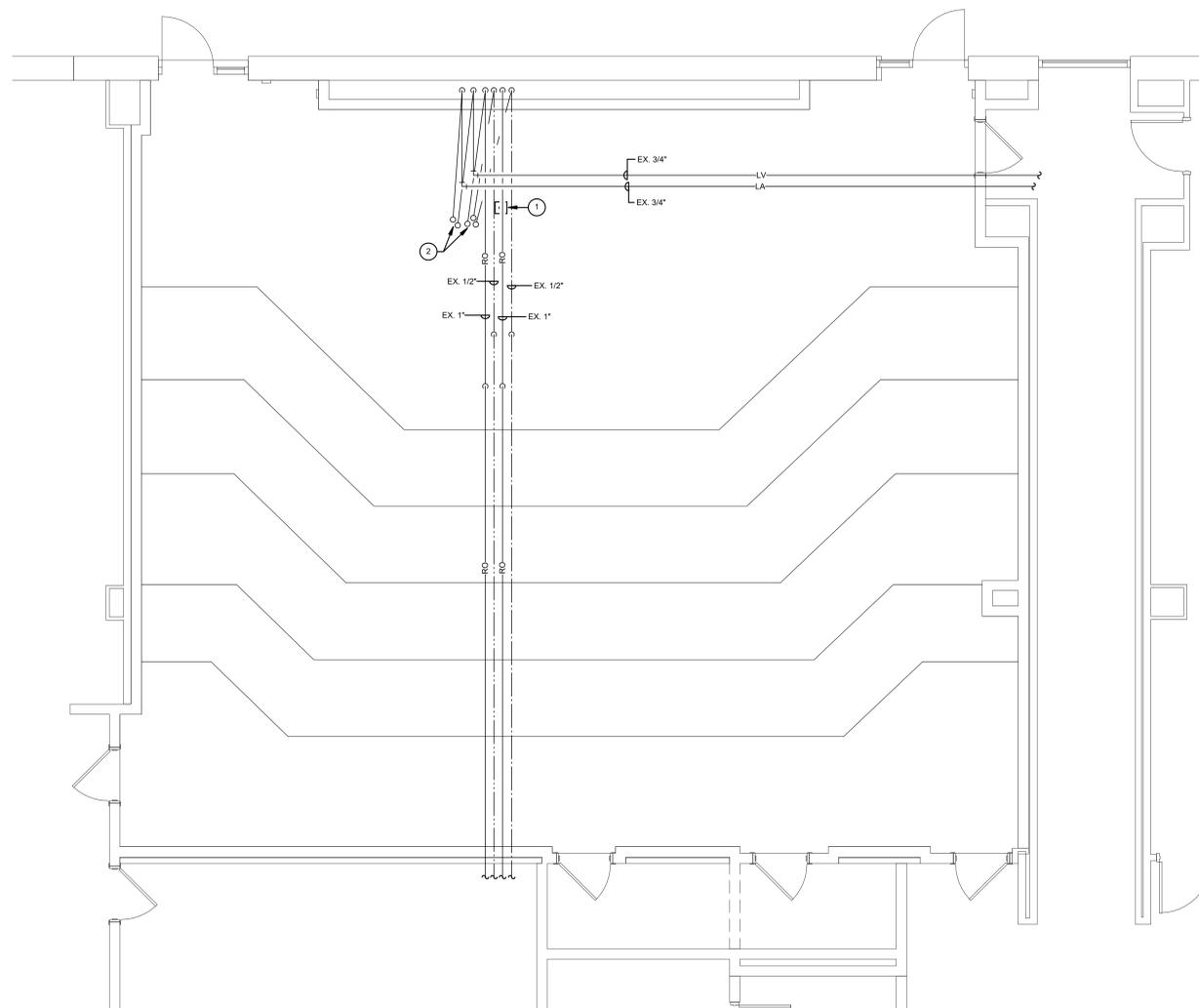


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NOTES INDICATED BY "○"

- 1 CLEAN EXISTING FLOOR SINK.
- 2 MODIFY EXISTING 1/2" RO, 3/4" DCW, 3/4" LA & 3/4" LV ROUGH-INS, AS REQUIRED, FOR EXTENSION TO LAB SINK & BENCH-MOUNTED GAS TURRETS. FIELD VERIFY SIZES OF EXISTING LINES.
- 3 EXTEND EXISTING 1/2" RO, 3/4" DCW & 3/4" LA TO SINK FAUCETS. PROVIDE BALL VALVE IN DCW & DHW LINES TO FAUCET. PROVIDE BALL VALVE & FLOW CONTROL VALVE IN RO LINE TO RO FAUCET.
- 4 EXTEND EXISTING 3/4" LA & 3/4" LV TO BENCH-MOUNTED GAS TURRETS. PROVIDE BALL VALVE IN EACH SERVICE LINE.
- 5 PROVIDE 1-1/2" ACID WASTE WITH P-TRAP FROM SINK DRAIN TO INDIRECT WASTE AT FLOOR SINK.

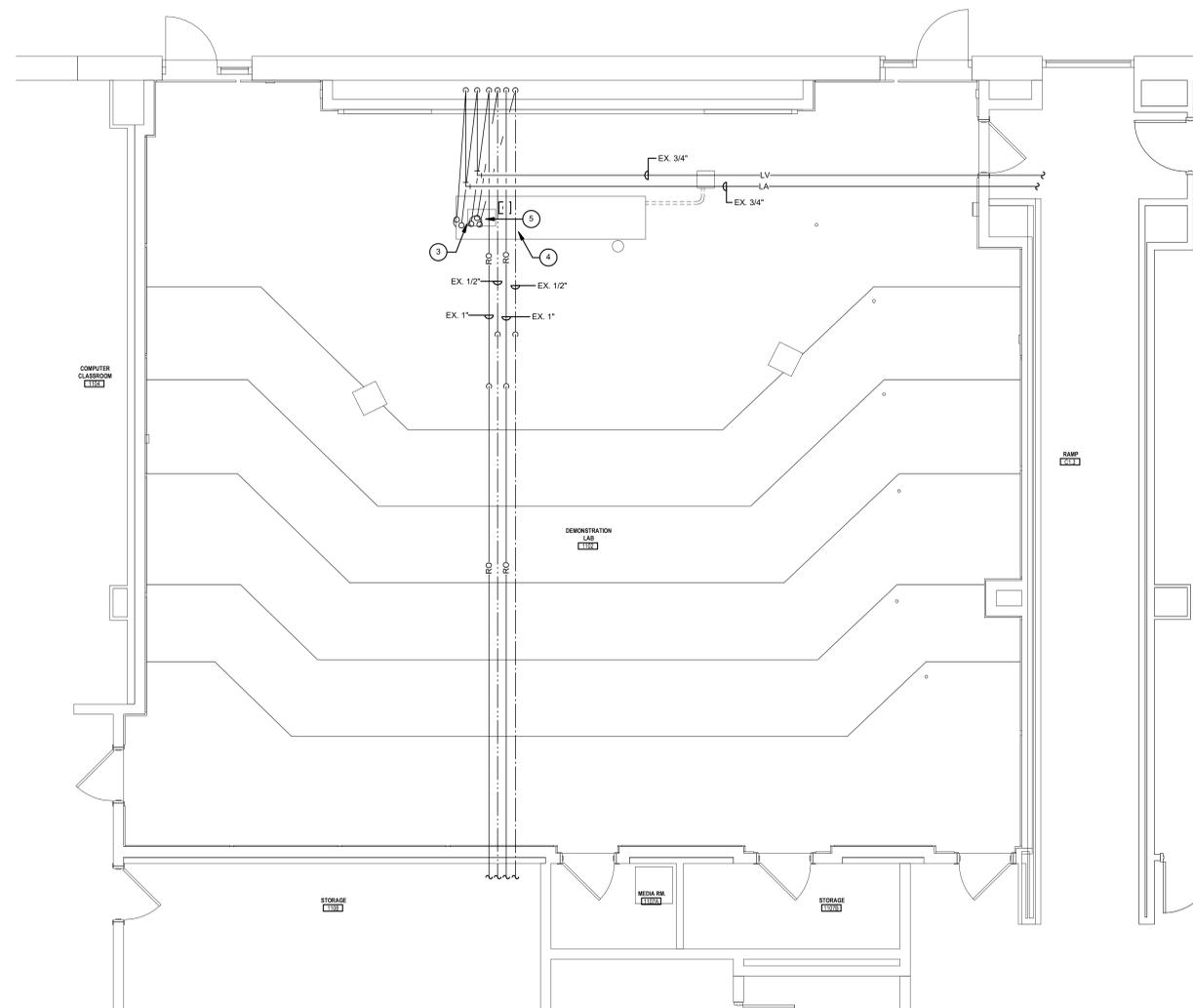


FLOOR PLAN - PLUMBING DEMOLITION

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



NORTH



FLOOR PLAN - PLUMBING

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



NORTH

THE ENTIRE BUILDING IS PROTECTED WITH AN AUTOMATIC SPRINKLER SYSTEM. MODIFY EXISTING SYSTEM, AS REQUIRED, TO PROTECT RENOVATED AREAS. ALL MODIFICATIONS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND NFPA REGULATIONS. REFER TO DIV. 21.

UNIVERSITY OF TEXAS PERMIAN BASIN
STC LECTURE HALL-FINISH OUT
PRESTON SMITH RD.
ODESSA, TX 79762



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JSA No: 2021-68

PLUMBING PLANS

ELECTRICAL LEGEND		ELECTRICAL ABBREVIATIONS	
LIGHTING	DESCRIPTION	SYMBOL	DESCRIPTION
○	LPA-1 LIGHTING FIXTURE - TYPE & CIRCUIT NOTED	▽	WALL MOUNTED TELEPHONE DEVICE - NO. OF OUTLETS INDICATED
●	A1 LPA-1 LIGHTING FIXTURE WITH BATTERY BACK-UP - TYPE & CIRCUIT NOTED	▽ ₂	FLOOR MOUNTED TELEPHONE DEVICE - NO. OF OUTLETS INDICATED
○	LPA-1 LIGHTING FIXTURE - TYPE & CIRCUIT NOTED	▽	WALL MOUNTED DATA DEVICE - NO. OF OUTLETS INDICATED
○	A1 LPA-1 LIGHTING FIXTURE WITH BATTERY BACKUP - TYPE & CIRCUIT NOTED	▽ ₂	FLOOR MOUNTED DATA DEVICE
○	LPA-1 WALL WASHER - TYPE & CIRCUIT NOTED	▽	FLOOR MOUNTED DATA DEVICE - NO. OF OUTLETS INDICATED
○	LPA-1 WALL MOUNTED LIGHTING FIXTURE - TYPE & CIRCUIT NOTED	▽ ₂	WALL MOUNTED COMMUNICATIONS DEVICE - TWO OUTLETS
○	LPA-1 CEILING MOUNTED EXIT SIGN - TYPE NOTED - DIRECTIONAL ARROWS INDICATED	▽	FLOOR MOUNTED COMMUNICATIONS DEVICE - TWO OUTLETS
○	LPA-1 WALL MOUNTED EXIT SIGN - TYPE NOTED - DIRECTIONAL ARROWS INDICATED	▽ ₂	EXISTING COMMUNICATIONS DEVICE TO REMAIN
○	LPA-1 EMERGENCY LIGHTING FIXTURE - TYPE & CIRCUIT NOTED	▽	EXISTING COMMUNICATIONS DEVICE TO BE REMOVED
○	LPA-1 FLOOD LIGHT - TYPE & CIRCUIT NOTED	▽ ₂	CEILING MOUNTED SPEAKER
○	LPA-1 POLE MOUNTED LIGHTING FIXTURE - TYPE & CIRCUIT NOTED	▽	CEILING MOUNTED COAXIAL SPEAKER
○	LPA-1 GROUND MOUNTED BOLLARD LIGHT - TYPE & CIRCUIT NOTED	▽ ₂	WALL MOUNTED SPEAKER
○	EXISTING LIGHT FIXTURE TO REMAIN	▽	WALL MOUNTED WEATHER PROOF SPEAKER
○	EXISTING LIGHT FIXTURE TO BE REMOVED	▽ ₂	WALL MOUNTED MICROPHONE OUTLET
○	EXISTING LIGHT FIXTURE TO REMAIN	▽	FLOOR MOUNTED MICROPHONE OUTLET
○	EXISTING LIGHT FIXTURE TO BE REMOVED	▽ ₂	PUBLIC ADDRESS CALL-IN BUTTON
○	EXISTING EXIT LIGHT FIXTURE TO REMAIN	▽	WALL MOUNTED VIDEO/TV OUTLET LOCATION
○	EXISTING EXIT LIGHT FIXTURE TO BE REMOVED	▽ ₂	CEILING MOUNTED VIDEO/TV OUTLET LOCATION
○	EXISTING EXIT LIGHT FIXTURE TO BE REMOVED	▽	FLOOR MOUNTED VIDEO/TV OUTLET LOCATION
POWER	DESCRIPTION	▽ ₂	CEILING MOUNTED CLOCK
○	JUNCTION BOX	▽	WALL MOUNTED CLOCK
○	FLOOR MOUNTED JUNCTION BOX	▽ ₂	CEILING MOUNTED DUAL FACE CLOCK
○	PULLBOX	▽	WALL MOUNTED DUAL FACE CLOCK
○	MOTOR LOCATION	▽ ₂	WALL MOUNTED BELL
○	LIGHTING CONTACTOR	▽	WEATHERPROOF WALL MOUNTED BELL
○	LPA-1 DISCONNECT SWITCH - CIRCUIT NOTED	▽ ₂	FIRE ALARM
○	LPA-1 COMBINATION MOTOR STARTER/DISCONNECT SWITCH - CIRCUIT NOTED	▽	DESCRIPTION
○	TIMELOCK	▽ ₂	FIRE ALARM PULL STATION
○	THERMOSTAT LOCATION	▽	FIRE ALARM AUDIBLE ALARM/VISUAL STROBE
○	PUSHBUTTON	▽ ₂	CEILING MOUNTED FIRE ALARM AUDIBLE ALARM/VISUAL STROBE
○	START/STOP PUSHBUTTON	▽	FIRE ALARM SPEAKER/VISUAL STROBE
○	SURFACE MOUNTED LIGHTING AND APPLIANCE PANELBOARD	▽ ₂	FIRE ALARM VISUAL STROBE
○	FLUSH MOUNTED LIGHTING AND APPLIANCE PANELBOARD	▽	CEILING MOUNTED FIRE ALARM VISUAL STROBE
○	EXISTING JUNCTION BOX TO REMAIN	▽ ₂	FIRE ALARM SMOKE DETECTOR
○	EXISTING JUNCTION BOX TO BE REMOVED	▽	FIRE ALARM HEAT DETECTOR
WIRING DEVICES	DESCRIPTION	▽ ₂	FIRE ALARM DUCT MOUNTED SMOKE DETECTOR IN SUPPLY AIR DUCT
○	SPST WALL SWITCH	▽	FIRE ALARM DUCT MOUNTED SMOKE DETECTOR IN RETURN AIR DUCT
○	3-WAY WALL SWITCH	▽ ₂	FIRE ALARM SMOKE DAMPER LOCATION
○	4-WAY WALL SWITCH	▽	FIRE ALARM DOOR HOLD OPEN DEVICE
○	SPST WALL SWITCH WITH PILOT LIGHT	▽ ₂	FIRE ALARM SPRINKLER FLOW SWITCH
○	WALL MOUNTED DIMMER SWITCH	▽	FIRE ALARM SPRINKLER TAMPER SWITCH
○	WALL MOUNTED OCCUPANCY SENSOR - OPTIONS (M2) TWO POLE	▽ ₂	EXISTING FIRE ALARM PULL STATION
○	WALL MOUNTED COMBINATION OCCUPANCY SENSOR/DIMMER	▽	EXISTING FIRE ALARM AUDIBLE ALARM/VISUAL STROBE
○	WALL MOUNTED VOLUME CONTROL SWITCH	▽ ₂	EXISTING FIRE ALARM VISUAL STROBE
○	WALL MOUNTED LOW VOLTAGE SWITCH - NO. OF BUTTONS / ZONES NOTED	▽	EXISTING FIRE ALARM SMOKE DETECTOR
○	CEILING MOUNTED OCCUPANCY SENSOR - OPTIONS (H) HIGH BAY, (S) SYSTEM	▽ ₂	EXISTING FIRE ALARM PULL STATION TO BE REMOVED
○	CEILING MOUNTED DAY LIGHTING SENSOR - OPTIONS (S) SYSTEM	▽	EXISTING FIRE ALARM AUDIBLE ALARM/VISUAL STROBE TO BE REMOVED
○	OCCUPANCY SENSOR POWER PACK - OPTIONS (D) DIMMING, (E) UL 924 EMERGENCY	▽ ₂	EXISTING FIRE ALARM VISUAL STROBE TO BE REMOVED
○	LPA-1 DUPLEX RECEPTACLE - 20A, 125V, 2P, 3W, GROUNDING - CIRCUIT NOTED	▽	EXISTING FIRE ALARM SMOKE DETECTOR TO BE REMOVED
○	LPA-1 SIMPLEX RECEPTACLE - 125V, 2P, 3W, GROUNDING - AMP RATING AND CIRCUIT NOTED	▽ ₂	SECURITY
○	LPA-1 DUPLEX RECEPTACLE ON EMERGENCY POWER	▽	DESCRIPTION
○	LPA-1.3 RECEPTACLE - 125/250V, 3P, 3W - AMP RATING AND CIRCUIT NOTED	▽ ₂	CARD READER
○	LPA-1.3.5 RECEPTACLE - 250V, 4P, 4W - AMP RATING AND CIRCUIT NOTED	▽	DOOR LOCK
○	LPA-1 DOUBLE DUPLEX RECEPTACLE - 20A, 125V, 2P, 3W, GROUNDING - CIRCUIT NOTED	▽ ₂	MOTION DETECTOR
○	LPA-1 DUPLEX RECEPTACLE WITH TWO USB CHARGING STATIONS - CIRCUIT NOTED	▽	DOOR/WINDOW ALARM MONITOR
○	LPA-1 DUPLEX RECEPTACLE WITH GFI - CIRCUIT NOTED	▽ ₂	GLASS BREAK DETECTOR
○	LPA-1 DUPLEX RECEPTACLE WITH WEATHER-PROOF COVER - CIRCUIT NOTED	▽	SECURITY KEY PAD
○	LPA-1 DUPLEX RECEPTACLE WITH GFI SERVING ELECTRIC WATER COOLER - CIRCUIT NOTED	▽ ₂	INTERCOM STATION
○	LPA-1 FLOOR MOUNTED DUPLEX RECEPTACLE - CIRCUIT NOTED	▽	SECURITY CAMERA
○	LPA-1 FLOOR MOUNTED DOUBLE DUPLEX RECEPTACLE - CIRCUIT NOTED	▽ ₂	EXTERIOR SECURITY CAMERA AND ENCLOSURE
○	LPA-1 CEILING MOUNTED DUPLEX RECEPTACLE - CIRCUIT NOTED	▽	NURSE CALL
○	LPA-1 SURFACE MOUNTED RACEWAY - DEVICES INDICATED	▽ ₂	DESCRIPTION
○	LPA-1 POWER/COMMUNICATIONS POLE - CIRCUIT NOTED	▽	NURSE CALL PATIENT STATION
○	EXISTING DUPLEX RECEPTACLE TO REMAIN	▽ ₂	NURSE CALL EMERGENCY STATION
○	EXISTING DUPLEX RECEPTACLE TO BE REMOVED	▽	NURSE CALL STAFF STATION
○	EXISTING DOUBLE DUPLEX RECEPTACLE TO REMAIN	▽ ₂	NURSE CALL MASTER CONTROL STATION
○	EXISTING DOUBLE DUPLEX RECEPTACLE TO BE REMOVED	▽	NURSE CALL CODE BLUE STATION
○	EXISTING SPST WALL SWITCH TO REMAIN	▽ ₂	NURSE CALL DOME LIGHT
○	EXISTING SPST WALL SWITCH TO BE REMOVED	▽	NURSE CALL ZONE DOME LIGHT

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
A	AMPERE(S)	KVAR	KILOVOLT AMPERE REACTIVE
ABV	ABOVE	KW	KILOWATT
AC	ABOVE COUNTER	KWH	KILOWATT HOUR
A/C	AIR CONDITIONING	LB	POUND
AIC	AMPERE INTERRUPTING CAPACITY	LPS	LOW PRESSURE SODIUM
AFF	ABOVE FINISHED FLOOR	M	MANHOLE
AFG	ABOVE FINISHED GRADE	MAX	MAXIMUM
AHU	AIR HANDLING UNIT	MCC	MOTOR CONTROL CENTER
ATS	AUTOMATIC TRANSFER SWITCH	MDP	MAIN DISTRIBUTION PANEL
BFF	BELOW FINISHED FLOOR	MECH	MECHANICAL
BFG	BELOW FINISHED GRADE	MH	MOUNTING HEIGHT
BLDG	BUILDING	MIN	MINIMUM
C	CONDUIT	MLO	MAIN LUGS ONLY
CB	CIRCUIT BREAKER	MTG	MOUNTING
CCTV	CLOSED CIRCUIT TELEVISION	MV	MERCURY VAPOR
CKT	CIRCUIT	NA	NON APPLICABLE
COND	CONDUCTOR	NC	NORMALLY CLOSED
CPU	CENTRAL PROCESSING UNIT	NF	NON FUSED
DCP	DATA COLLECTION PANEL	NO	NORMALLY OPEN
DIA	DIAMETER	NL	NIGHT LIGHT
DIST	DISTRIBUTION	OC	ON CENTER
DN	DOWN	OFCI	OVERHEAD/RUNNISH CONTRACTOR INSTALLED
DWGS	DRAWINGS	OH	OVERHEAD/RUNNISH CONTRACTOR INSTALLED
EC	EMPTY CONDUIT	P	POLE
EDF	ELECTRIC DRINKING FOUNTAIN	PA	PUBLIC ADDRESS
EF	EXHAUST FAN	PB	PUSHBUTTON
EQMT	EQUIPMENT	PBX	PRIVATE BUILDING EXCHANGE
EWC	ELECTRIC WATER COOLER	PC	PULL CHAIN
EXH	EXHAUST	PC	PHOTOCELL
EXP	EXPLOSION PROOF	PDP	POWER DISTRIBUTION PANEL
EXTG	EXISTING	PNL	PANELBOARD
FIA	FIRE ALARM	PSI	POUNDS PER SQUARE INCH
FC	FOOTCANDLES	PWR	POWER
FCU	FAN COIL UNIT	S	SECURITY
FLUOR	FLUORESCENT	SN	SOLID NEUTRAL
FN	FULL NEUTRAL	SQFT	SQUARE FOOT
FT	FEET, FOOT	SW	SWITCH
GALV	GALVANIZED	SWBD	SWITCHBOARD
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TC	TIME CLOCK
GFI	GROUND FAULT INTERRUPTER	TELE	TELEPHONE
GND	GROUND	TP	TAMPER RESISTANT
GRD	GALVANIZED RIGID STEEL	TSTAT	THERMOSTAT
HID	HIGH INTENSITY DISCHARGE	TV	TELEVISION
HP	HORSEPOWER	UH	UNIT HEATER
HOA	HAND OFF AUTOMATIC	UON	UNLESS OTHERWISE NOTED
HPS	HIGH PRESSURE SODIUM	UPE	UNDERGROUND PRIMARY ELECTRIC
HVAC	HEATING/VENTILATING/AIR CONDITIONING	V	VOLT(S)
HZ	HERTZ	VP	VAPOR PROOF
IC	INTERCOM	W	WIRE
ID	INSIDE DIAMETER	WAP	WIRELESS ACCESS POINT
IMC	INTERMEDIATE STEEL CONDUIT	WP	WEATHERPROOF
IN	INCHES	XFMR	TRANSFORMER
INC	INCANDESCENT	XPD	TRANSPONDER
IG	ISOLATED GROUND	Z	IMPEDANCE
JB	JUNCTION BOX	1P	ONE POLE
KV	KILOVOLT	2P	TWO POLE
KVA	KILOVOLT AMPERE	3P	THREE POLE
KVAC	KILOVOLT AMPERE CAPACITIVE	Ø	PHASE

- ELECTRICAL GENERAL NOTES**
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, SUB-CONTRACTORS, MANUFACTURERS AND SUPPLIERS TO ADHERE TO THE REQUIREMENTS OF THE FOLLOWING GENERAL NOTES. IF CONFLICT OCCURS, CONTACT A/E PRIOR TO COMMENCEMENT OF WORK.
 - EVERY EFFORT HAS BEEN MADE TO MAKE THESE DOCUMENTS CONCISE AND COORDINATED. TO DEFINE WORK IN THE MOST LOGICAL PLACE AND TO ELIMINATE REDUNDANCY. THE SCOPE OF WORK IS DEFINED THROUGHOUT THE ENTIRE SET OF DRAWINGS & SPECIFICATIONS AND IS NOT LIMITED TO JUST ONE SERIES OF DRAWINGS OR DIVISION OF SPECIFICATIONS. REVIEW THE ENTIRE SET OF CONTRACT DOCUMENTS TO DETERMINE EACH CONTRACTOR'S SCOPE OF WORK. NO ADDITIONAL COST SHALL BE INCURRED BY THE OWNER FOR CONTRACTOR'S FAILURE TO UNDERSTAND THE FULL SCOPE OF WORK. IF CONFLICT OCCURS, CONTACT A/E PRIOR TO COMMENCEMENT OF WORK.
 - PROVIDE ALL MATERIALS, LABOR, AND EQUIPMENT AS REQUIRED TO INSTALL COMPLETE AND OPERABLE SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AS REQUIRED BY ALL APPLICABLE CODES, AND PER MANUFACTURER'S DIRECTIONS.
 - SIZE AND LOCATION OF EXISTING EQUIPMENT, CONDUIT, WIRING, ETC. SHOWN FOR REFERENCE ONLY. FIELD VERIFY EXACT CONDITIONS PRIOR TO BID.
 - NO CUTTING SHALL BE DONE TO ANY OF THE STRUCTURAL MEMBERS THAT WOULD TEND TO LESSEN THEIR STRENGTH, UNLESS SPECIFIC PERMISSION IS GRANTED BY THE ARCHITECT.
 - REMOVE SLEEVES AND PATCH ALL WALLS, FLOORS, AND CEILINGS TO REMAIN WHERE CONDUIT AND/OR ELECTRICAL EQUIPMENT HAS BEEN REMOVED. PATCHES IN RATED CONSTRUCTION SHALL MATCH EXISTING MATERIAL TO ENSURE RATING INTEGRITY.
 - COORDINATE DEMOLITION WITH GENERAL CONTRACTOR. OWNER SHALL HAVE FIRST RIGHTS TO ALL REMOVED COMPONENTS. THE REMAINING ITEMS SHALL BE COMPLETELY REMOVED BACK TO ACTIVE SERVICE LOCATION. REMOVE ALL ASSOCIATED HANGERS, SUPPORTS, POWER, CONTROLS, ETC.
 - PROVIDE SMOOTH CONCRETE FILL AND PATCH FOR ALL FLOOR MOUNTED OUTLETS BOXES AND FLOOR CHASES NOT BEING REUSED FOR NEW CONSTRUCTION IS COMPLETE.
 - COORDINATE CONSTRUCTION OF ALL WORK WITH ARCHITECTURAL, CIVIL, STRUCTURAL, PLUMBING, ELECTRICAL WORK, ETC., SHOWN ON ALL OTHER CONTRACT DOCUMENT DRAWINGS.
 - ALL OPENINGS IN FIRE WALLS FOR BOXES, CONDUITS, ETC., SHALL BE FIRE STOPPED WITH A SPECIFIED PRODUCT SIMILAR TO 3M, OR APPROVED EQUAL.
 - PROVIDE UPDATED CIRCUIT DIRECTORIES FOR ALL EXISTING PANELBOARDS WHERE NEW CIRCUITS ARE ADDED OR EXISTING CIRCUITS ARE DEMOLISHED.
 - ALL CONDUCTORS SHALL BE INSTALLED IN RIGID METAL RACEWAY AS DESCRIBED IN THE SPECIFICATIONS. METAL CLAD, TYPE MC CABLE IS NOT AN ACCEPTABLE WIRING METHOD.
 - PROVIDE DEDICATED NEUTRAL CONDUCTORS FOR ALL CIRCUITS REQUIRING A NEUTRAL CONNECTION. SHARING NEUTRAL CONDUCTORS BETWEEN PHASES IS PROHIBITED.
 - ALL OUTLET, DEVICE AND JUNCTION BOXES AND ASSOCIATED CONDUIT INDICATED IN NEW BLOCK WALLS SHALL BE CONCEALED IN THE BLOCK WALL. SURFACE MOUNTED BOXES AND CONDUIT ARE NOT ACCEPTABLE AND WILL BE NOTED FOR CORRECTION ON SITE INSPECTION PUNCH LISTS.
 - FASTEN JUNCTION AND PULL BOXES TO OR SUPPORT FROM BUILDING STRUCTURE. DO NOT SUPPORT BOXES BY CONDUITS.

BRANCH CIRCUIT AND SERVICE CONDUCTOR SIZING SCHEDULE

BRANCH CIRCUIT/FEEDER IDENTIFICATION	OVERCURRENT DEVICE	PHASE AND NEUTRAL CONDUCTORS (AWG/kcmil)	EQUIPMENT GROUNDING ELECTRODE CONDUCTOR (AWG/kcmil)	GROUNDING ELECTRODE CONDUCTOR (AWG/kcmil)	CONDUIT
<F20>	20	12	12	---	1/2"
<F25>	25	10	10	---	1/2"
<F30>	30	10	10	---	1/2"
<F35>	35	8	10	---	1"
<F40>	40	8	10	---	1"
<F45>	45	8	10	---	1"
<F50>	50	8	10	8	1"
<F60>	60	6	10	8	1"
<F70>	70	4	8	8	1-1/4"
<F80>	80	4	8	8	1-1/4"
<F90>	90	2	8	8	1-1/4"
<F100>	100	2	8	8	1-1/4"
<F125>	125	1/0	6	6	2"
<F150>	150	1/0	6	6	2"
<F175>	175	2/0	6	4	2"
<F200>	200	3/0	6	4	2"
<F225>	225	4/0	4	2	2-1/2"
<F250>	250	250 kcmil	4	2	2-1/2"
<F300>	300	350 kcmil	4	2	3"
<F350>	350	500 kcmil	2	1/0	4"
<F400>	400	(2) 3/0	(2) 2	1/0	(2) 2-1/2"
<F450>	450	(2) 4/0	(2) 2	1/0	(2) 2-1/2"
<F500>	500	(2) 250 kcmil	(2) 2	1/0	(2) 2-1/2"
<F600>	600	(2) 350 kcmil	(2) 1/0	2/0	(2) 3"
<F700>	700	(2) 500 kcmil	(2) 1/0	2/0	(2) 4"
<F800>	800	(3) 300 kcmil	(3) 1/0	2/0	(3) 3"
<F1000>	1000	(3) 400 kcmil	(3) 2/0	3/0	(3) 3"
<F1200>	1200	(4) 350 kcmil	(4) 3/0	3/0	(4) 3"
<F1600>	1600	(5) 400 kcmil	(5) 4/0	3/0	(5) 3"
<F2000>	2000	(6) 400 kcmil	(6) 250 kcmil	3/0	(6) 3"
<F2500>	2500	(7) 500 kcmil	(7) 350 kcmil	3/0	(7) 4"
<F3000>	3000	(8) 500 kcmil	(8) 400 kcmil	3/0	(8) 4"
<F4000>	4000	(11) 500 kcmil	(11) 500 kcmil	3/0	(11) 4"

NOTES:

- WHERE BRANCH CIRCUIT OR FEEDER IS NOT DESIGNATED ON THE DRAWINGS, BRANCH CIRCUIT OR FEEDER SHALL BE SIZED TO MATCH THE OVERCURRENT DEVICE LISTED ABOVE.
- GROUNDING ELECTRODE CONDUCTORS FOR SEPARATELY DERIVED SYSTEMS SHALL BE SELECTED BASED ON THE SECONDARY FEEDER OVERCURRENT DEVICE RATING.

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Issue / Revisions	No.	Date	Description
100% CONSTRUCTION DOCUMENTS	1	04/18/2022	
	2		
	3		
	4		
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	6		



4/18/22

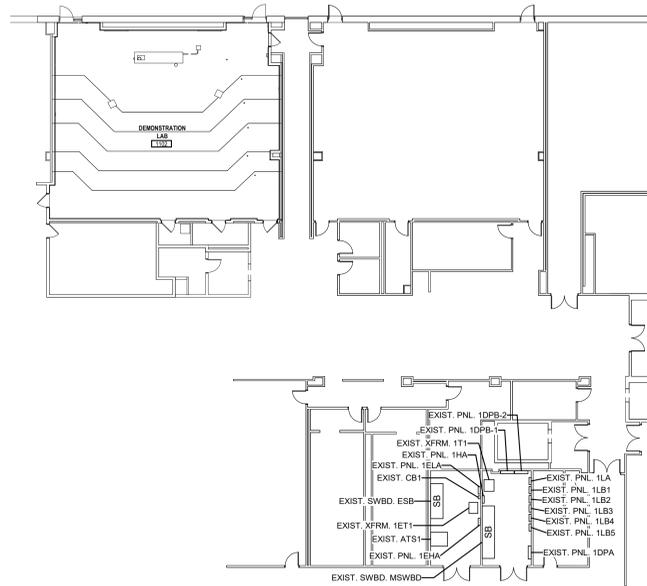
JSA No. 2021-68

ELECTRICAL LEGEND & SCHEDULES

E0.1



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MECHANICAL & ELECTRICAL CONSULTING ENGINEERS
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OVERALL ELECTRICAL PLAN
SCALE: 1/16" = 1'-0"

NOTES INDICATED BY "O"

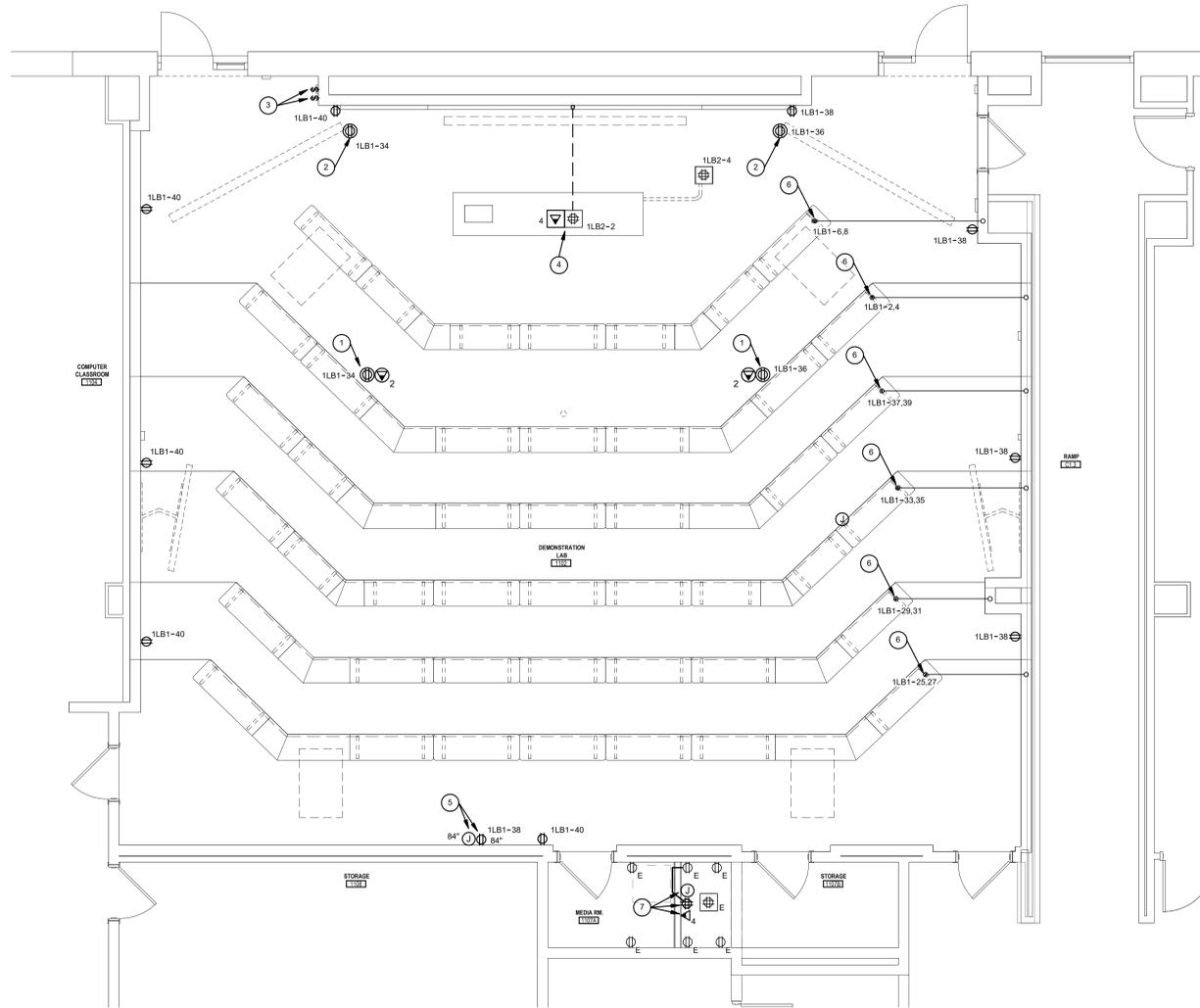
- 1 CEILING MOUNTED RECEPTACLE TO SERVE OVERHEAD PROJECTOR. VERIFY EXACT LOCATION WITH THE AV SYSTEM INSTALLER.
- 2 CEILING RECEPTACLE TO SERVE PROJECTOR SCREEN. VERIFY EXACT LOCATION WITH THE AV SYSTEM INSTALLER. INSTALL CONTROL WIRING IN 1/2" CONDUIT TO SCREEN CONTROL SWITCH NOTED 6.
- 3 PROJECTOR SCREEN CONTROL SWITCH PROVIDED WITH PROJECTOR SCREENS. VERIFY EXACT LOCATION WITH THE AV SYSTEM INSTALLER.
- 4 EXISTING FLOOR BOX LOCATION. PROVIDE NEW QUADRAPLEX RECEPTACLE AND CIRCUIT INDICATED. PROVIDE 4 COMMUNICATIONS OUTLETS IN EXISTING BOX. PROVIDE 3 - 1" CONDUITS TO MAIN AV RACK IN ROOM 1107A. VERIFY ALL REQUIREMENTS WITH THE AV SYSTEM INSTALLER.
- 5 J-BOX AND RECEPTACLE TO SERVE CAMERA LOCATION. INSTALL 1 - 1-1/4" CONDUIT FROM J-BOX TO ABOVE CEILING.
- 6 EXISTING CONDUIT STUB-UP LOCATION. PROVIDE NEW CIRCUIT WITH NEUTRAL INDICATED FOR NEW FURNITURE. CONNECT CIRCUITS TO NEW FURNITURE AS DIRECTED BY THE FURNITURE INSTALLER.
- 7 J-BOX, RECEPTACLE AND COMMUNICATIONS OUTLETS TO SERVE NEW AV SYSTEM RACK. INSTALL 2 - 1-1/4" CONDUITS FROM J-BOX TO ABOVE CEILING. VERIFY EXACT LOCATION AND ALL REQUIREMENTS WITH THE AV SYSTEM INSTALLER.
- 8 NEW FIRE ALARM DEVICE. PROVIDE WIRING IN 3/4" CONDUIT TO EXISTING SYSTEM LOOP/NOTIFICATION CIRCUIT.
- 9 CONNECT NEW VAV BOX TO EXISTING 120V VAV BOX CIRCUIT.

POWER & COMMUNICATIONS GENERAL NOTES

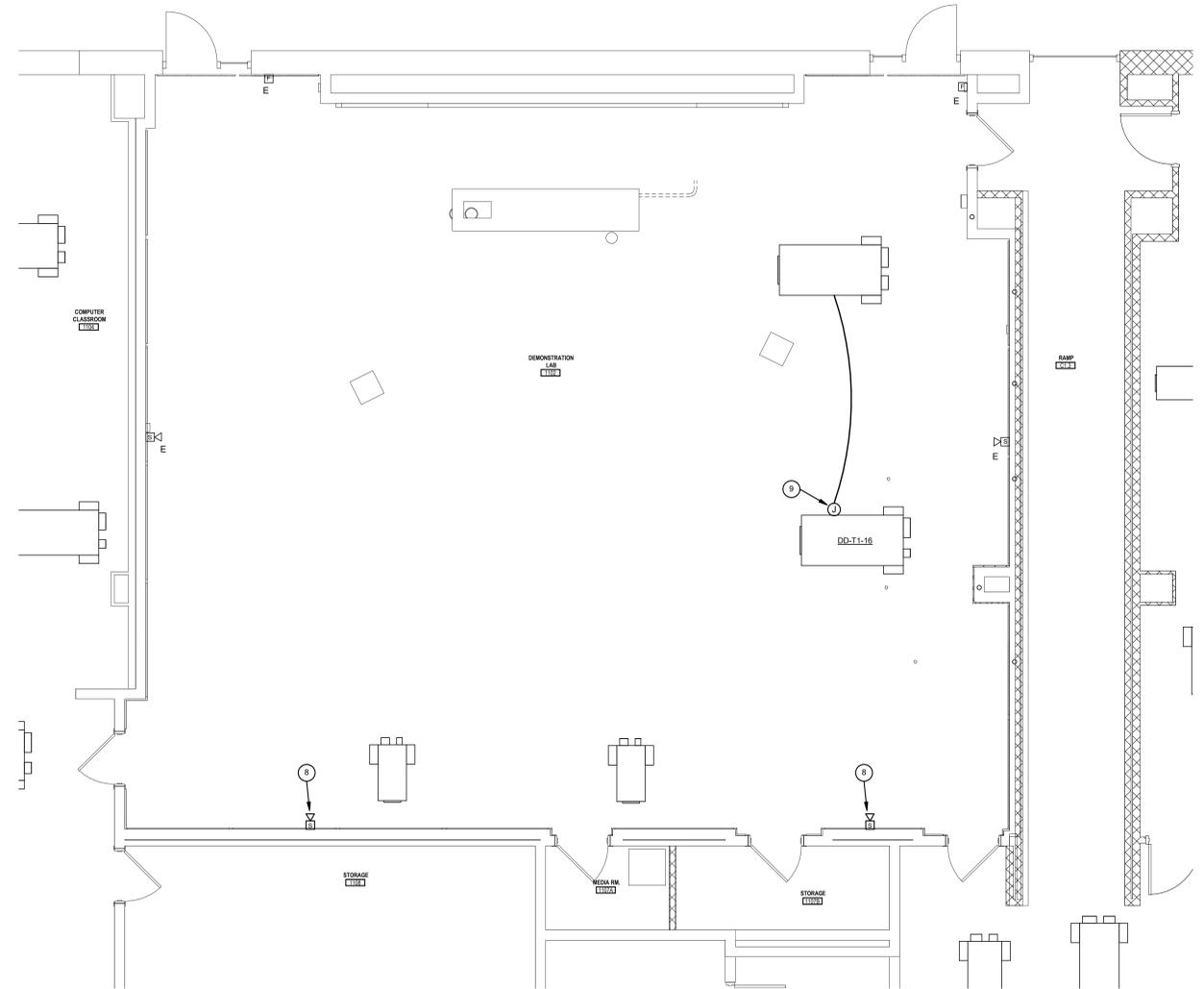
- A PROVIDE 3/4" CONDUIT TO 6" ABOVE THE NEAREST ACCESSIBLE CEILING OR TO THE STRUCTURE IN OPEN CEILING AREAS AT EACH COMMUNICATIONS DEVICE INDICATED. INSTALL CATEGORY 6 COMMUNICATIONS WIRING FROM EACH OUTLET TO NEW PATCH PANEL IN EXISTING IDF RACK. REFER TO THE DIVISION 27 SPECIFICATIONS FOR ALL REQUIREMENTS. VERIFY THE EXACT LOCATION OF NEAREST IDF LOCATION WITH THE OWNER.
- B VERIFY ALL DEVICE MOUNTING HEIGHTS FOR DEVICES LOCATED IN MILLWORK WITH ARCHITECTURAL ELEVATIONS. FOR ALL DEVICES NOT INDICATED ON THE ARCHITECTURAL ELEVATIONS, VERIFY THE EXACT LOCATION AND MOUNTING HEIGHT WITH THE ARCHITECT PRIOR TO INSTALLATION.
- C VERIFY THE EXACT LOCATION OF ALL FLOOR MOUNTED DEVICES WITH THE ARCHITECT AND/OR OWNER PRIOR TO ROUGH-IN INSTALLATION.
- D THE WORK INDICATED ON THIS SHEET IS ONLY A PORTION OF THE COMPLETE WORK TO BE COMPLETED BY THE DIVISION 26 CONTRACTOR. REFER TO THE AUDIO VISUAL DRAWINGS FOR ADDITIONAL WORK REQUIRED. VERIFY THE EXACT LOCATION, MOUNTING HEIGHTS AND CONNECTION REQUIREMENTS OF ALL AUDIO VISUAL EQUIPMENT WITH THE AUDIO VISUAL DRAWINGS. PROVIDE ALL CONNECTIONS REQUIRED FOR COMPLETE OPERATION OF AUDIO VISUAL PRESENTATION SYSTEM.
- E CIRCUITS INDICATED TO EXISTING PANELS ARE FOR GROUPING AND REFERENCE ONLY. RE-USE EXISTING 20A-1P CIRCUIT BREAKERS AND PROVIDE NEW 20A-1P CIRCUIT BREAKERS AS NECESSARY TO SERVE CIRCUITS INDICATED. VERIFY CIRCUIT NUMBERS AND ALL EXISTING PANEL CONDITIONS AT THE JOBSITE. PROVIDE UPDATED CIRCUIT DIRECTORIES FOR ALL EXISTING PANELS INDICATING REVISED CIRCUIT LOCATIONS.

FIRE ALARM GENERAL NOTES

- A PROVIDE A COMPLETE AND OPERATIONAL FIRE ALARM SYSTEM AS INDICATED ON THE DRAWINGS AND AS DETAILED IN DIVISION 28 OF THE SPECIFICATIONS. PROVIDE ALL LABOR AND MATERIALS NECESSARY TO CONNECT ALL NEW DEVICES TO THE EXISTING FIRE ALARM SYSTEM. RECEPTIFY EXISTING SYSTEM AFTER COMPLETING WORK.
- B PROVIDE ALL FIRE ALARM WIRING IN 3/4" CONDUIT. PROVIDE COMPLETE CONDUIT LAYOUT WITH FIRE ALARM SUBMITTAL.
- C REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF ALL TEMPERATURE CONTROL DEVICES.



FLOOR PLAN - POWER & COMMUNICATIONS
SCALE: 1/4" = 1'-0"



FLOOR PLAN - FIRE ALARM & EQUIPMENT
SCALE: 1/4" = 1'-0"



Issue / Revisions	No.	Date	Description
	1	04/18/2022	100% CONSTRUCTION DOCUMENTS
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JSA No. 2021-68

POWER & COM. AND
FIRE ALARM PLANS

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