

TRINIDAD STATE JUNIOR COLLEGE MASSARI THEATER TSJC-21-001

**PROJECT
LOCATION**



**TRINIDAD STATE JUNIOR COLLEGE
TRINIDAD, CO**

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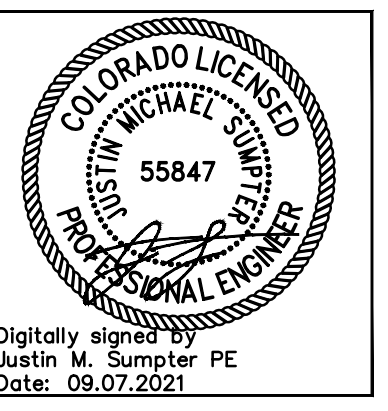
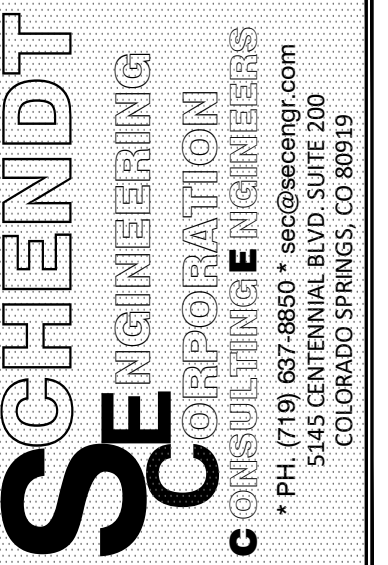
SUMMARY OF ALTERNATES	
NO	DESCRIPTION
1	INTERIOR LIGHTING IN CLASSROOMS, LOWER LEVEL, AND RESTROOMS

APPLICABLE CODES
2019 INTERNATIONAL BUILDING CODE (IBC)
2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2018 INTERNATIONAL FIRE CODE (IFC)
MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES (ASCE 7-16)
THEATRICAL ESTA
2020 NATIONAL ELECTRIC CODE (NEC)

ELECTRICAL ENGINEER
SCHENDT ENGINEERING
5145 CENTENNIAL BLVD
COLORADO SPRINGS, CO 80919

STRUCTURAL ENGINEER
HODA ENGINEERING
SOUTH WEBER ST
COLORADO SPRINGS, CO

CONSTRUCTION INFORMATION
OCCUPANCY A-3 AND B
TWO STORIES WITH BASEMENT
CONSTRUCTION TYPE II-B
FIRE ALARM SYSTEM WITH AUTOMATIC DETECTION
PARTIAL FIRE SPRINKLER
STRUCTURAL RISK CATEGORY III
SEISMIC CATEGORY B



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**TRINIDAD STATE
JUNIOR COLLEGE
MASSARI THEATER**

ISSUE FOR CONSTRUCTION
09/07/2021

DESIGNED BY
JMS

DRAWN BY
MES

CHECKED BY
JCP

PROJECT NO.
20162

DATE
09/07/2021

SHEET TITLE
COVER SHEET

SHEET NO.
G-001

ONE - LINE SYMBOLS

CIRCUIT BREAKER XXXAT - TRIP RATING
XXXAF - FRAME RATING

SAFETY DISCONNECT

FUSED DISCONNECT

STARTER

COMBINATION/STARTER DISCONNECT

FUSED SWITCH - (600V & BELOW)
XXXAF - FUSE RATING
XXXAS - SWITCH RATING

FUSED SWITCH - (ABOVE 600V)

TRANSFORMER:
DELTA CONNECTION
WYE CONNECTION

GROUND CONNECTION (SIZE AS INDICATED)

MOTOR, # INDICATES HORSEPOWER

MISCELLANEOUS LOAD

PANELBOARD

SPD - SURGE PROTECTIVE DEVICE

UPS UNIT WITH BATTERY

POWER SYSTEMS

SERVICE AND DISTRIBUTION EQUIPMENT
MDP - MAIN DISTRIBUTION PANEL
MCC - MOTOR CONTROL CENTER
ATS - AUTOMATIC TRANSFER SWITCH
UPS - UNINTERRUPTIBLE POWER SUPPLY
SDP - SUB DISTRIBUTION PANEL
ST - SHUNT TRIP

STARTER

SAFETY DISCONNECT

FUSED DISCONNECT

COMBINATION STARTER/DISCONNECT

TRANSFORMER

PUBLIC ADDRESS/AUDIO

MICROPHONE JACK

VOLUME CONTROL

SPEAKER

CHIME

BUZZER/BELL AS INDICATED

OUTDOOR SPEAKER

BRANCH CIRCUIT PANELBOARDS

PANELBOARD (NEW)

PANELBOARD (EXISTING)

POWER SYMBOLS

SIMPLEX RECEPTACLE

DUPLEX RECEPTACLE

RECEPTACLE FUNCTIONS: (TYPICAL)
G - GROUND FAULT CIRCUIT INTERRUPTER
L - LOCKING TYPE, WEATHER PROOF COVER
WP - WEATHERPROOF
- NUMBER INDICATES CIRCUIT NUMBER (WHERE APPLICABLE)
IG - ISOLATED GROUND
AC - ABOVE COUNTER

COMBINATION DUPLEX RECEPTACLE AND DUAL 30W USB PORTS

DOUBLE DUPLEX RECEPTACLE

SPECIAL RECEPTACLE
(SIZE AND TYPE AS INDICATED BY NEMA NO.)

RECEPTACLE PROTECTED BY GFCI DEVICE

SWITCHED DUPLEX RECEPTACLE 1/2 SWITCHED, 1/2 NON SWITCHED

FLOOR OR CEILING BOX DUPLEX RECEPTACLE
(C - IMPLIES CEILING)

FLOOR OR CEILING BOX DOUBLE DUPLEX RECEPTACLE
(C - IMPLIES CEILING)

FLOOR OR CEILING BOX SPECIAL RECEPTACLE SIZE AND TYPE AS INDICATED BY NEMA NO.
(C - IMPLIES CEILING)

COMBINATION POWER/COMMUNICATIONS FLOOR BOX (RECEPTACLES AS INDICATED)

COMBINATION POWER/COMMUNICATIONS FLOOR BOX FOR SYSTEMS FURNITURE

CLOCK RECEPTACLE

4" SQUARE JUNCTION BOX WITH BLANK COVER UNLESS OTHERWISE NOTED

LARGE JUNCTION BOX. SIZE AS NOTED

POWER POLE SYSTEMS FURNITURE

LIGHTING SYMBOLS

RECESSED LUMINAIRE

LUMINAIRE IDENTIFIERS:
UPPERCASE LETTER INDICATES LUMINAIRE TYPE
LOWERCASE LETTER INDICATES CONTROLLING SWITCH/LEG

EMERGENCY EGRESS FIXTURE, WIRE FOR STANDARD SWITCHING. PROVIDE STANDARD BALLASTS/DRIVERS PER FIXTURE SCHEDULE, PLUS ONE ADDITIONAL EMERGENCY BALLAST/DRIVER.

LUMINAIRE: RECESSED

LUMINAIRE: SURFACE OR PENDANT MOUNTED

LUMINAIRE: WALL MOUNTED LIGHT

LUMINAIRE: DOWN LIGHT | WALL WASHER DOWNLIGHT

LUMINAIRE: TRACK LIGHTING ASSEMBLY

LIGHTED EXIT SIGN: ARROWS INDICATE DIRECTION OF EXIT

BATTERY OPERATED EMERGENCY LIGHT

x INDICATES SWITCH/LEG

x INDICATES FUNCTION:
NO MARK - SINGLE POLE
P - PILOT LIGHT OR LIGHTED HANDLE
2 - DOUBLE POLE
3 - THREE WAY
4 - FOUR WAY
T - SPRING WOUND WALL BOX TIMER
K - KEYPAD DEVICE
TO - THERMAL OVERLOAD
M - MANUAL MOTOR STARTER

DIMMER, SLIDE TYPE WITH ON/OFF PRESET

SLIDE DIMMER WITH ON/OFF SWITCH, 0-10V DIMMING CONTROL

PUSH BUTTON SWITCH

OCCUPANCY SENSOR (DUAL TECHNOLOGY ULTRASONIC AND PASSIVE INFRARED) PROVIDE (RELAY/POWER PACK) AS REQUIRED

OCCUPANCY SENSOR (DUAL LEVEL SWITCHING, DUAL TECHNOLOGY ULTRASONIC AND PASSIVE INFRARED) SWITCH BOX MOUNTING

OCCUPANCY SENSOR (SINGLE LEVEL SWITCHING, DUAL TECHNOLOGY ULTRASONIC AND PASSIVE INFRARED) SWITCH BOX MOUNTING

OCCUPANCY SENSOR (ULTRASONIC) PROVIDE SWITCH PACK (RELAY) AS REQUIRED

CORRIDOR OCCUPANCY SENSOR (DUAL TECHNOLOGY ULTRASONIC AND PASSIVE INFRARED) PROVIDE SWITCH PACK (RELAY) AS REQUIRED

PHOTO CELL 120V, 20A

CONTACTOR

LOW VOLTAGE CABLE (3#18)

LOW VOLTAGE CABLE (CAT 5)

RELAY/POWER PACK

ROOM CONTROLLER-DIGITAL (# INDICATES THE NUMBER OF ZONES)

LOW VOLTAGE SWITCHING STATION

LOW VOLTAGE TOUCH SCREEN CONTROLLER

LOW VOLTAGE POWER SUPPLY

DIMMER, SLIDE TYPE WITH ON/OFF PRESET - LOW VOLTAGE

GENERAL DEMOLITION NOTES

(APPLY TO ALL ELECTRICAL DEMOLITION SHEETS)

- THE OWNER OR IT'S REPRESENTATIVE MAY CHOOSE TO KEEP ANY OR ALL OF THE COMPONENTS WHICH ARE REMOVED AND NOT REUSED AS PART OF THIS PROJECT. MATERIALS WHICH ARE NOT RECLAIMED BY THE OWNER SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR, OFF OF THE OWNER'S PROPERTY.
- THE CONTRACTOR SHALL COMPLETELY REMOVE ALL ELECTRICAL WIRING, CONDUIT, BOXES, DEVICES, DISCONNECTS, FIXTURES, MOUNTING HARDWARE, ETC. WHICH ARE ASSOCIATED WITH THE EQUIPMENT INDICATED BY HATCHING UNLESS OTHERWISE NOTED.
- THE EQUIPMENT SHOWN AS HATCHED ON THE DRAWINGS REPRESENT THE MAJORITY OF THE EQUIPMENT TO BE REMOVED. IT DOES NOT NECESSARILY SHOW ALL THE ASSOCIATED HARDWARE SUCH AS CONDUIT, BOXES, WIRING, ETC.
- THE CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL NECESSARY POWER OUTAGES WITH THE OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING WITH SUCH WORK. THE CONTRACTOR SHALL INSURE THAT THE OPERATIONS IN ADJACENT AREAS OR PORTIONS OF THE FACILITY ARE NOT INTERRUPTED OR RESTRICTED WITHOUT PRIOR APPROVAL.

GENERAL NOTES

(APPLY TO ALL ELECTRICAL SHEETS)

- ALL CONDUITS AND OTHER CONVEYANCES SHALL BE CONCEALED. IN THE EVENT THAT A NEW DEVICE IS BEING INSTALLED IN AN EXISTING DRYWALL PARTITION AND/OR WALL, PROVIDE A CUT-IN TYPE BOX AND FISH FLEXIBLE CONDUIT DOWN INSIDE THE WALL FROM ABOVE THE CEILING SYSTEM. RIGIDLY SUPPORT THE FLEXIBLE CONDUIT ABOVE THE CEILING AND REPAIR THE DRYWALL AROUND THE CONDUIT. TRANSITION TO EMT ONCE ABOVE THE CEILING SYSTEM.
- SIZES OF WIRE AND CABLES ARE BASED ON COPPER CONDUCTORS, UNLESS INDICATED OTHERWISE.
- ALL PENETRATIONS IN OR THROUGH FIRE RATED PARTITIONS SHALL BE FIRE STOPPED SUCH THAT THE PENETRATION MEETS OR EXCEEDS THE FIRE RATING OF THE WALL.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION BETWEEN THE APPROPRIATE DISCIPLINES AND CONTRACTORS.
- COORDINATE ALL DEVICE, FIXTURE AND HARDWARE COLOR SELECTIONS WITH THE ARCHITECT PRIOR TO MAKING SHOP DRAWING SUBMITTALS.
- BRANCH CIRCUIT AND SPECIAL SYSTEMS WIRING FOR DEVICES ON WALLS IN FINISHED AREAS WHICH CANNOT BE CONCEALED SHALL BE INSTALLED IN SURFACE MOUNTED RACEWAY. EXPOSED CONDUIT IS NOT ACCEPTABLE IN FINISHED SPACES. PRIOR APPROVAL IS REQUIRED BEFORE MOUNTING CONVEYANCES IN AN EXPOSED FASHION.
- ALL EXPOSED CONDUITS, BOXES, ETC. IN ROOMS TO BE PAINTED SHALL BE PAINTED TO MATCH THE SURROUNDING SURFACE. EXPOSED CONDUIT, BOXES, ETC. IN ROOMS WHICH ARE NOT PAINTED MAY BE LEFT UN-PAINTED. EXPOSED CONDUIT, BOXES, ENCLOSURES, ETC. ON THE EXTERIOR OF BUILDINGS SHALL BE PAINTED TO MATCH THE SURROUNDING SURFACES.
- THE CONTRACTOR IS RESPONSIBLE FOR PATCHING, PAINTING, REPAIRING OR THE REPLACEMENT OF ALL WALLS, CEILINGS OR OTHER BUILDING ELEMENTS WHICH ARE DISTURBED AS PART OF THE DEMOLITION AND/OR INSTALLATION OF ELECTRICAL WORK.
- PROVIDE ELECTRICAL CONNECTION TO ALL FIRE SMOKE DAMPERS INCLUDING POWER AND FIRE ALARM. VERIFY EXACT SIZE AND FINAL LOCATION OF ALL DAMPERS WITH THE MECHANICAL CONTRACTOR.
- REFER TO THE ELECTRICAL CONNECTIONS SCHEDULE FOR ADDITIONAL REQUIREMENTS ASSOCIATED WITH PLUMBING AND HVAC EQUIPMENT.
- COORDINATE AND/OR PROVIDE CONCRETE HOUSE KEEPING PADS FOR FLOOR MOUNTED ELECTRICAL EQUIPMENT. PADS SHALL BE 3" AFF WITH CHAMFERED EDGE. PADS SHALL EXTEND BEYOND THE EQUIPMENT EDGES BY 3" IN EVERY DIRECTION.

CIRCUITING SYMBOLS

PROVIDE A MINIMUM WIRE SIZE OF #12 CONDUCTORS IN 3/4"C. PROVIDE 1 PHASE CONDUCTOR FOR EACH BRANCH CIRCUIT. NEUTRAL AND GROUND CONDUCTORS MAY BE SHARED AMONGST MULTIPLE BRANCH CIRCUITS WITHIN A COMMON CONDUIT UNLESS THE CIRCUITS SUPPLY ELECTRONIC/COMPUTER LOADS. DEDICATED NEUTRALS AND GROUNDS SHALL BE PROVIDED FOR ELECTRONIC/COMPUTER LOADS AND FOR CIRCUITS WITH GFCI TYPE RECEPTACLES.

RACEWAY CONCEALED ABOVE CEILING OR IN WALL, EXPOSED IN EQUIPMENT ROOMS OR UNFINISHED SPACES.

RACEWAY UNDERGROUND OR UNDERFLOOR

RACEWAY UP

RACEWAY DOWN

RACEWAY CHANGE IN ELEVATION

CAPPED CONDUIT

CABLE TRAY (SIZE AS INDICATED)

FLEXIBLE CONDUIT CONNECTION (LIQUIDTIGHT)

SURFACE MOUNTED RACEWAY (WIREMOLD) (DEVICES AS INDICATED)

PLUG AND CORD SEC.

HOME RUN CONDUIT, SIZE AS INDICATED

EMERGENCY BRANCH CIRCUIT (#10 WIRE MINIMUM)

GENERAL SYMBOLS

(E) EXISTING
(N) NEW
(R) RELOCATED
(F) FUTURE
(TR) TO REMAIN
(TYP.) TYPICAL

(X) DRAWING KEYNOTE (APPLIES TO ENTIRE SHEET WHEN SHOWN UNDER PLAN TITLE)

(X) DEMOLITION KEYNOTE (APPLIES TO ENTIRE SHEET WHEN SHOWN UNDER PLAN TITLE)

(X) REVISION CALL-OUT

(X) EQUIPMENT IDENTIFIER

(X) LIGHT LINE - EXISTING

(X) HEAVY LINE - NEW WORK

(X) HATCHING INDICATES DEMOLITION WORK EXISTING CONDITIONS TO BE REMOVED

ABBREVIATIONS

ABB	DESCRIPTION	ABB	DESCRIPTION
ABB	AMPERE	P	PHASE, POLE, OR POWER
AC	ALTERNATING CURRENT	PA	PUBLIC ADDRESS
ACB	AIR CIRCUIT BREAKER	PLC	PROGRAMMABLE LOGIC CONTROLLER
AF	AMPERE FRAME, FUSE	PB	PUSH BUTTON
AFC	ABOVE FINISHED CEILING	PF	POWER FACTOR
AFF	ABOVE FINISHED FLOOR	PIN	PERSONAL IDENTIFICATION NUMBER
AIC	AMPS INTERRUPTING CAPACITY	PIV	POST INDICATOR VALVE
AL	ALUMINUM	PNL	PANEL
ANN	ANNUNCIATOR	PTZ	PAN/TILT/ZOOM
ARF	ABOVE RAISED FLOOR	PVC	POLYVINYL CHLORIDE
AS	AMMETER SWITCH	QTY	QUANTITY
AT	AMP TRIP	RCPT	RECEPTACLE
ATS	AUTOMATIC TRANSFER SWITCH	REF	REFERENCE DIMENSION FROM ARCHITECTURAL DRAWINGS (ELEVATION OF FIRST FLOOR)
BFF	BELOW FINISHED FLOOR	RM	ROOM
BRKR	BREAKER	RQD	REQUIRED
BLDG	BUILDING	RVNR	REDUCED VOLTAGE NONREVERSING
C	CONDUIT	RVR	REDUCED VOLTAGE REVERSING RECEIVER
CB	CIRCUIT BREAKER	RX	RECEIVER
CATV	CABLE TELEVISION	SACP	SECURITY ALARM CONTROL PANEL
CCTV	CLOSED-CIRCUIT TELEVISION	SMR	SURFACE MOUNTED RACEWAY (WIREMOLD CONVEYANCE)
CER	COMMUNICATIONS EQUIPMENT ROOM	SPKR	SPEAKER
CKT	CIRCUIT	SS	STAINLESS STEEL
CO/COR	CONTRACTING OFFICER/CONTRACTING OFFICERS REPRESENTATIVE	STR	STARTER SURF SURFACE SWITCH
CPT	CONTROL POWER TRANSFORMER	SW	SWITCHBOARD
CR	CONTROL RIG	SWGR	SWITCHGEAR
CRC	COATED RIGID STEEL	SYMM	SYMMETRICAL
CT	CURRENT TRANSFORMER	TB	TERMINAL BLOCK TO BE DETERMINED
DACT	DIGITAL ALARM COMMUNICATION TRANSMITTER	TDR	TIME DELAY RELAY
DIA	DIAMETER	TJB	TERMINAL JUNCTION BOX
DC	DIRECT CURRENT	T.O.	TELECOMMUNICATIONS OUTLET
DIV	DIVISION	TSP	TWISTED SHIELDED PAIR
Δ	DELTA CONNECTED	TX	TRANSMITTER
EC	ELECTRICAL CONTRACTOR	TYP	TYPICAL
EES	EARTH ELECTRODE SYSTEM	UON	UNLESS OTHERWISE NOTED
ELCU	EMERGENCY LIGHTING CONTROL UNIT	UPS	UNINTERRUPTIBLE POWER SUPPLY
EMH	ELECTRICAL MANHOLE	USB	UNIVERSAL SERIAL BUS
EMT	ELECTRICAL METALLIC TUBING	V	VOLTMETER, VOLT
ENT	ELECTRICAL NONMETALLIC TUBING	VA	VOLT-AMPERE
EOL	END OF LINE RESISTOR	VAC	VOLTAGE, ALTERNATING CURRENT
EPD	EMERGENCY POWER OFF	VAR	VOLT-AMPERE REACTIVE
EW	ELECTRIC WATER COOLER	VCR	VIDEO CASSETTE RECORDER
F.O.	FIBER OPTIC	VFD	VARIABLE FREQUENCY DRIVE (VFD SAME AS AFD)
FA	FIRE ALARM	VS	VOLTMETER SWITCH
FACP	FIRE ALARM CONTROL PANEL	VT	VOLTAGE TRANSFORMER
FBO	FURNISHED BY OTHERS	W	WATT
FDR	FEDER	WHD	WATT-HOUR DEMAND METER
FLR	FLOOR	WP	WEATHERPROOF
FMCS	FACILITY MONITORING & CONTROL SYSTEM	XFMR	TRANSFORMER
FVNR	FULL VOLTAGE NONREVERSING	Z	IMPEDANCE
FVR	FULL VOLTAGE REVERSING		
G	GROUND		
GC	GENERAL CONTRACTOR		
GFCI	GROUND FAULT CIRCUIT INTERRUPTER		
GFR	GROUND FAULT RELAY		
GRC	GALVANIZED RIGID CONDUIT		
HH	HANDHOLE		
HID	HIGH-INTENSITY DISCHARGE		
HOA	HAND-OFF-AUTO		
IAW	IN ACCORDANCE WITH		
ICCB	INSULATED CASE CIRCUIT BREAKER		
IMC	INTERMEDIATE METALLIC CONDUIT		
I/O	INPUT-OUTPUT		
JB	JUNCTION BOX		
K	KEY INTERLOCK		
KA	KILOAMPERE		
KVA	KILOVOLT-AMPERE		
KVAR	KILOVOLT-AMPERE REACTIVE		
KW	KILOWATT		
KWH	KILOWATT HOUR		
LAN	LOCAL AREA NETWORK		
LPS	LIGHTNING PROTECTION SYSTEM		
LV	LOW VOLTAGE		
MC	MECHANICAL CONTRACTOR		
MCB	MAIN CIRCUIT BREAKER		
MCC	MOTOR CONTROL CENTER		
MCCB	MOLDED CASE CIRCUIT BREAKER		
MCER	MAIN COMMUNICATIONS EQUIPMENT ROOM		
MCP	MOTOR CIRCUIT PROTECTOR		
MFR	MANUFACTURER		
MH	MANHOLE		
MLO	MAIN LUGS ONLY		
MTD	MOUNTED		
MTS	MANUAL TRANSFER SWITCH		
MUX	MULTIPLEXER		
N	NEUTRAL		
NC	NORMALLY CLOSED		
NEC	NATIONAL ELECTRICAL CODE		
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION		
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION		
NIC	NOT IN CONTRACT		
NL	NIGHT LIGHT		
NO	NORMALLY OPEN		
NP	NAMEPLATE		
NTS	NOT TO SCALE		
OC	ON CENTER		
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED		
OFOI	OWNER FURNISHED, OWNER INSTALLED		
OHP	OVERHEAD PROJECTOR		
OL	OVERLOAD RELAY		

SCHENDT ENGINEERING CORPORATION
CONSULTING ENGINEERS

5100 CENTENNIAL BLVD., SUITE 200
COLORADO SPRINGS, CO 80913

PH: (719) 637-8850 • sec@schendt.com

COLORADO LICENSED PROFESSIONAL ENGINEER
55847
Justin M. Sampler PE
Date: 09.07.2021

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TRINIDAD STATE JUNIOR COLLEGE MASSARI THEATER

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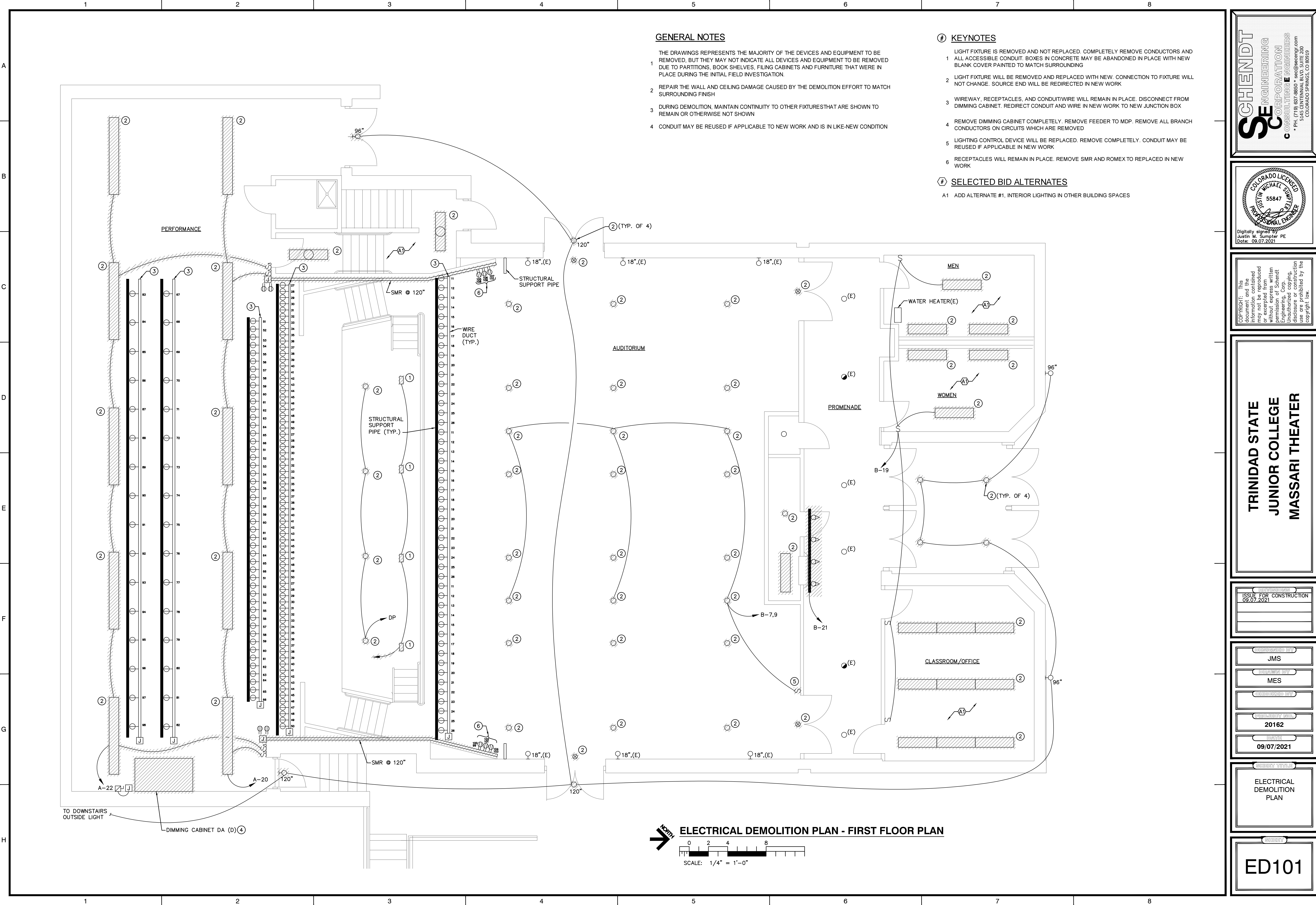
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PROJECT TITLE
ELECTRICAL LEGEND & GENERAL NOTES

NO. **E-001**

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GENERAL NOTES

- 1 THE DRAWINGS REPRESENTS THE MAJORITY OF THE DEVICES AND EQUIPMENT TO BE REMOVED, BUT THEY MAY NOT INDICATE ALL DEVICES AND EQUIPMENT TO BE REMOVED DUE TO PARTITIONS, BOOK SHELVES, FILING CABINETS AND FURNITURE THAT WERE IN PLACE DURING THE INITIAL FIELD INVESTIGATION.
- 2 REPAIR THE WALL AND CEILING DAMAGE CAUSED BY THE DEMOLITION EFFORT TO MATCH SURROUNDING FINISH
- 3 DURING DEMOLITION, MAINTAIN CONTINUITY TO OTHER FIXTURES THAT ARE SHOWN TO REMAIN OR OTHERWISE NOT SHOWN
- 4 CONDUIT MAY BE REUSED IF APPLICABLE TO NEW WORK AND IS IN LIKE-NEW CONDITION

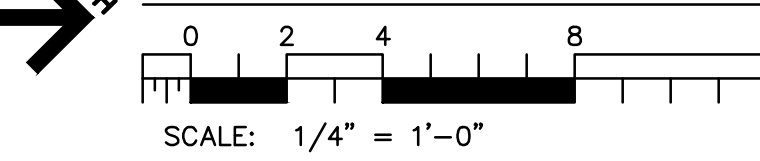
KEYNOTES

- 1 LIGHT FIXTURE IS REMOVED AND NOT REPLACED. COMPLETELY REMOVE CONDUCTORS AND ALL ACCESSIBLE CONDUIT. BOXES IN CONCRETE MAY BE ABANDONED IN PLACE WITH NEW BLANK COVER PAINTED TO MATCH SURROUNDING
- 2 LIGHT FIXTURE WILL BE REMOVED AND REPLACED WITH NEW. CONNECTION TO FIXTURE WILL NOT CHANGE. SOURCE END WILL BE REDIRECTED IN NEW WORK
- 3 WIREWAY, RECEPTACLES, AND CONDUIT/WIRE WILL REMAIN IN PLACE. DISCONNECT FROM DIMMING CABINET. REDIRECT CONDUIT AND WIRE IN NEW WORK TO NEW JUNCTION BOX
- 4 REMOVE DIMMING CABINET COMPLETELY. REMOVE FEEDER TO MDP. REMOVE ALL BRANCH CONDUCTORS ON CIRCUITS WHICH ARE REMOVED
- 5 LIGHTING CONTROL DEVICE WILL BE REPLACED. REMOVE COMPLETELY. CONDUIT MAY BE REUSED IF APPLICABLE IN NEW WORK
- 6 RECEPTACLES WILL REMAIN IN PLACE. REMOVE SMR AND ROMEX TO BE REPLACED IN NEW WORK

SELECTED BID ALTERNATES

- A1 ADD ALTERNATE #1, INTERIOR LIGHTING IN OTHER BUILDING SPACES

ELECTRICAL DEMOLITION PLAN - FIRST FLOOR PLAN



SCHENDT
ENGINEERING
CORPORATION
CONSULTING ENGINEERS

5100 CENTENNIAL BLVD., SUITE 300
DENVER, CO 80202
PH: (719) 637-8850 • sec@schendt.com

COLORADO LICENSED
ELECTRICAL ENGINEER
55847

Justin M. Sampler PE
Date: 09.07.2021

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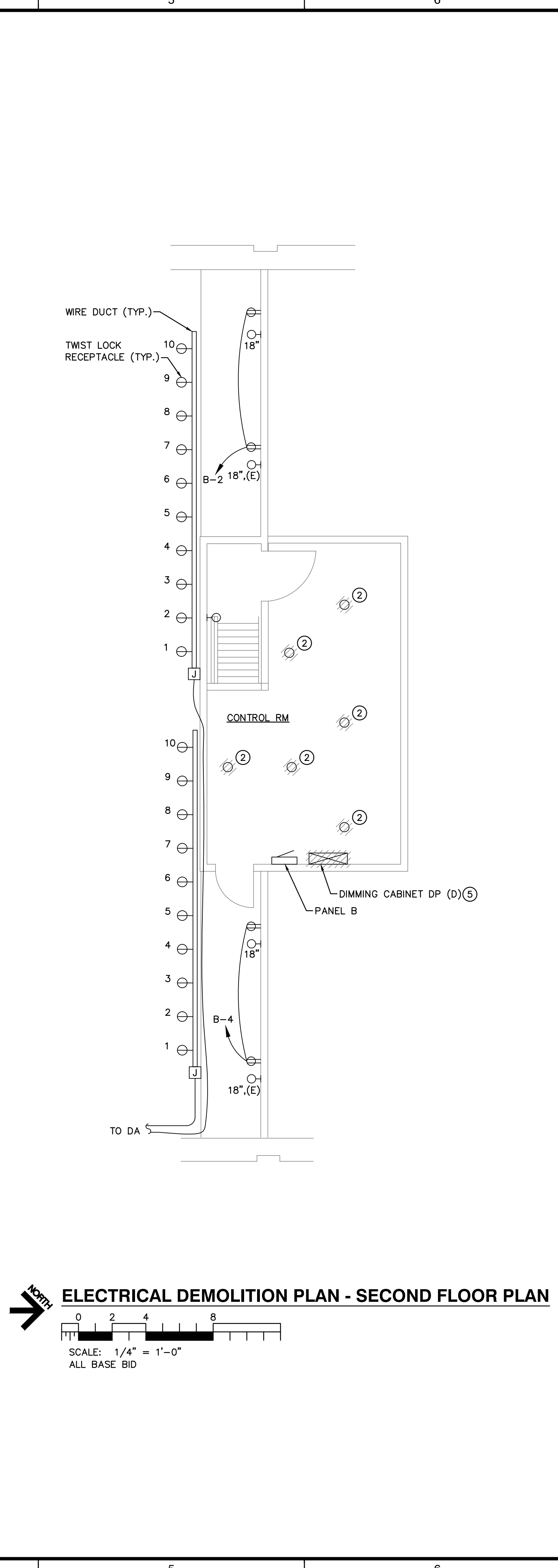
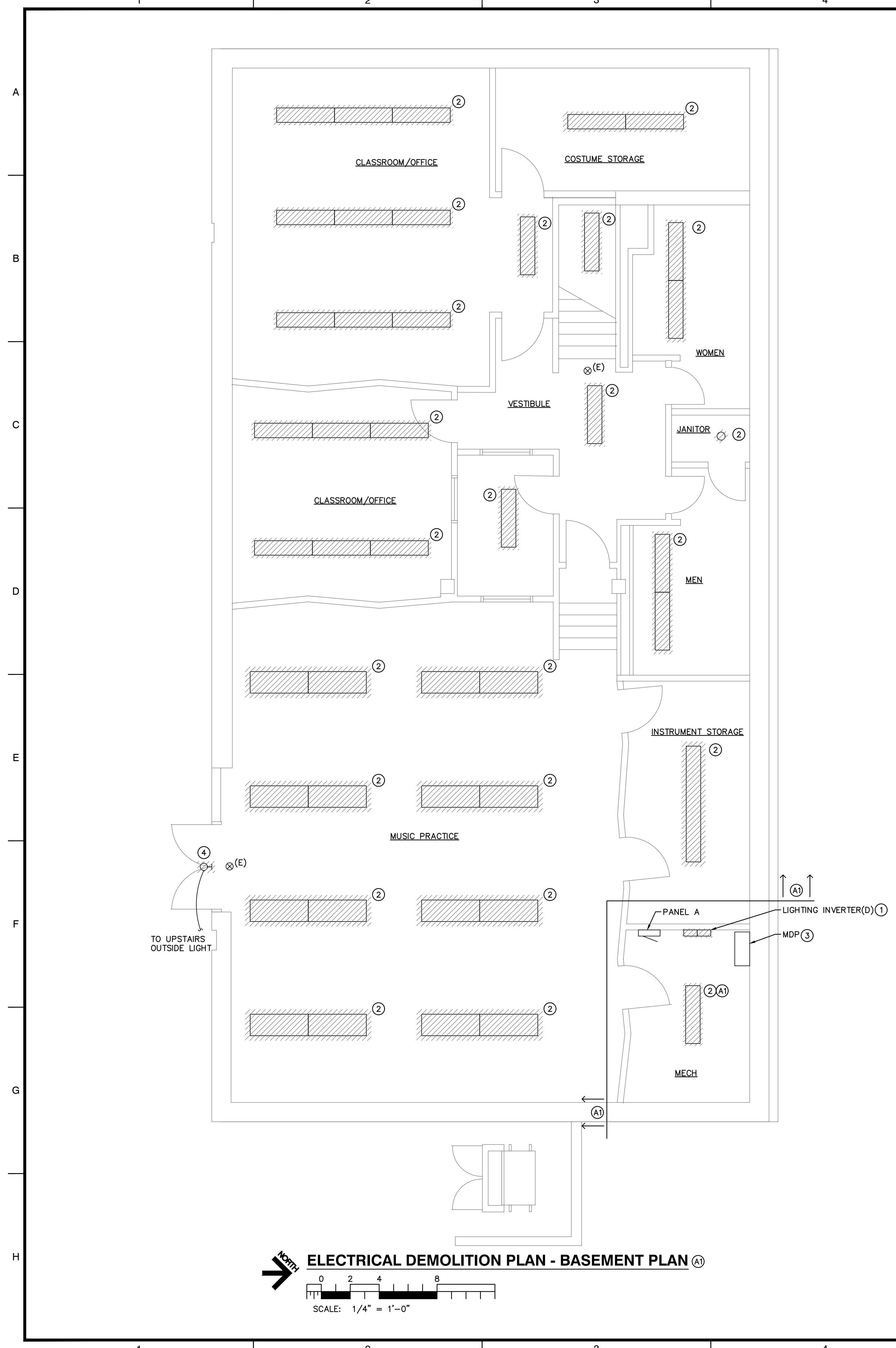
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20162

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**ELECTRICAL
DEMOLITION
PLAN**

ED101

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GENERAL NOTES

- 1 THE DRAWINGS REPRESENTS THE MAJORITY OF THE DEVICES AND EQUIPMENT TO BE REMOVED, BUT THEY MAY NOT INDICATE ALL DEVICES AND EQUIPMENT TO BE REMOVED DUE TO PARTITIONS, BOOK SHELVES, FILING CABINETS AND FURNITURE THAT WERE IN PLACE DURING THE INITIAL FIELD INVESTIGATION.
- 2 REPAIR THE WALL DAMAGE CAUSED BY THE DEMOLITION EFFORT TO MATCH SURROUNDING FINISH
- 3 DURING DEMOLITION, MAINTAIN CONTINUITY TO OTHER FIXTURES THAT ARE SHOWN TO REMAIN OR OTHERWISE NOT SHOWN

KEYNOTES

- 1 BASE BID - LIGHTING INVERTER WILL BE REMOVED AND REPLACED. REMOVE FEEDER ENTIRELY. BRANCH CIRCUITS FED FROM INVERTER WILL BE REWORKED
- 2 LIGHT FIXTURE WILL BE REMOVED AND REPLACED WITH NEW. REMOVE CONDUCTORS ENTIRELY, HARD CONDUIT WILL BE REUSED. SEE NEW WORK
- 3 BASE BID - THEATRICAL LIGHTING DIMMER RACK IS FED FROM HERE. REMOVE FEEDER TO DIMMER RACK ENTIRELY
- 4 BASE BID - REMOVE FIXTURE TO BE REPLACED. REMOVE CONDUCTORS, KEEP ROUGH-IN IN PLACE TO BE REUSED
- 5 BASE BID - REMOVE EXISTING DIMMING CABINET, PULL BACK CONDUCTORS TO BE REUSED IN NEW WORK

SELECTED BID ALTERNATES

- A1 ADD ALTERNATE #1

SCHENDT
ENGINEERING
CORPORATION
CONSULTING ENGINEERS
 5100 CENTENNIAL BLVD, SUITE 200
 COLORADO SPRINGS, CO 80913
 PH: (719) 637-2850 • FAX: (719) 637-2851
 EMAIL: info@schendt.com

COLORADO LICENSED
 PROFESSIONAL ENGINEER
 55847
 JUSTIN M. SAMPLER, P.E.
 Date: 09/07/2021
 Digitally signed by Justin M. Sampler, PE
 Date: 09/07/2021

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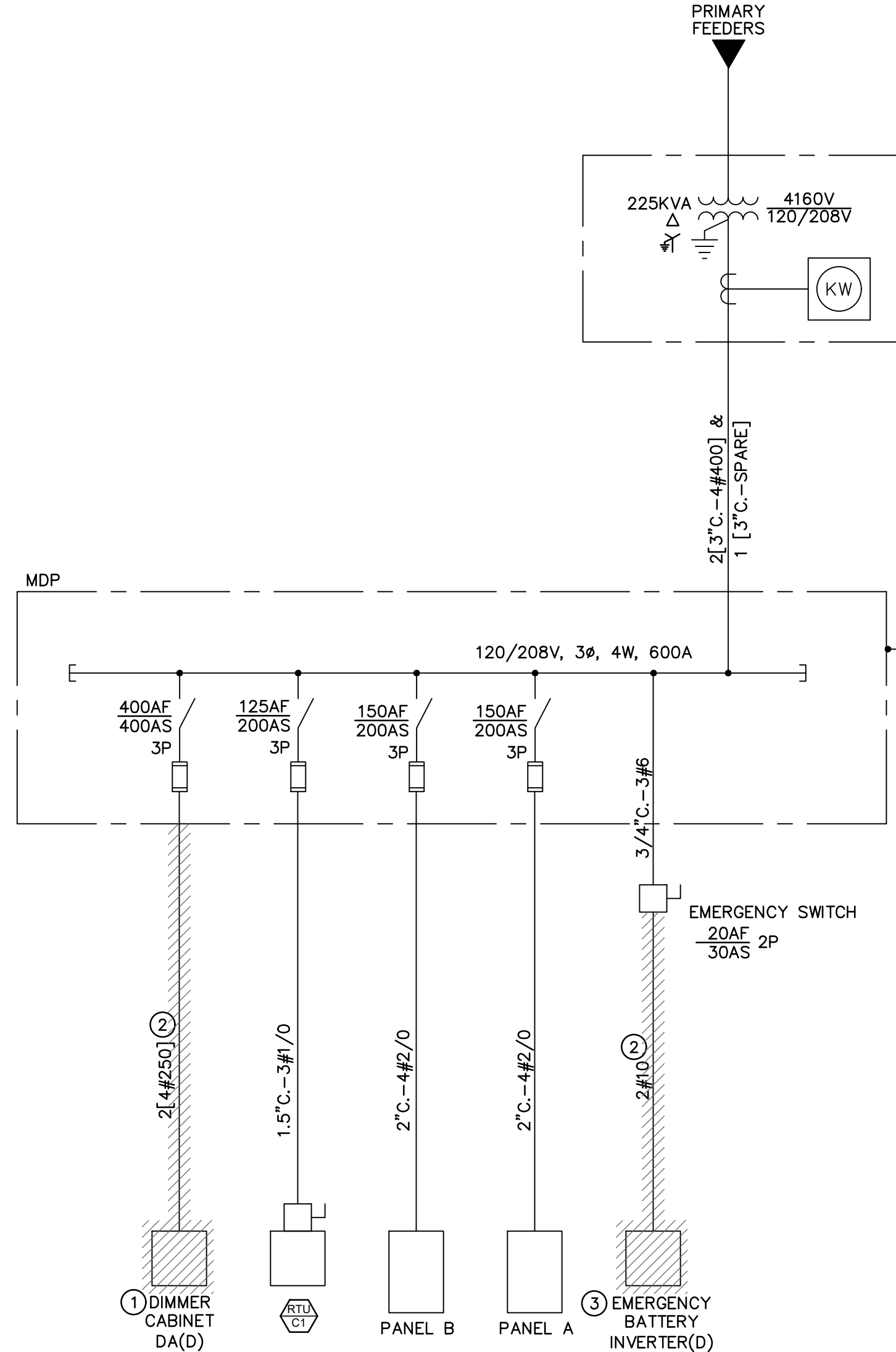
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 JCP

PROJECT NO.
 20162

DATE
 09/07/2021

PROJECT TITLE
 ELECTRICAL DEMOLITION PLANS

PROJECT NO.
 ED102



DEMOLITION ONE LINE DIAGRAM
NO SCALE

- KEYNOTES**
- 1 REMOVE EXISTING DIMMER CABINET AND DISPOSE
 - 2 REMOVE FEEDER ENTIRELY
 - 3 LIGHTING INVERTER WILL BE REMOVED AND REPLACED. BRANCH CIRCUITS FED FROM INVERTER WILL BE REWORKED

PANEL: MDP (DEMO) TYPE: LIGHTING PROJECT NAME: TSJC MASSARI THEATER
 FED FROM: UTILITY PROJECT NO.: 20162
 VOLTAGE: 120/ 208 NEUTRAL BUS: Y NOTES: THIS IS AN EXISTING PANEL
 PHASE: 3 PHASE, 4 WIRE GROUND BUS: Y [D] EXISTING LOAD IS REMOVED WITH THIS PROJECT
 MAIN OC DEVICE: MLO AMPS ISO GND: N
 MAIN LUGS: 600 AMPS
 A.I.C. RATING: 200000 AMPS

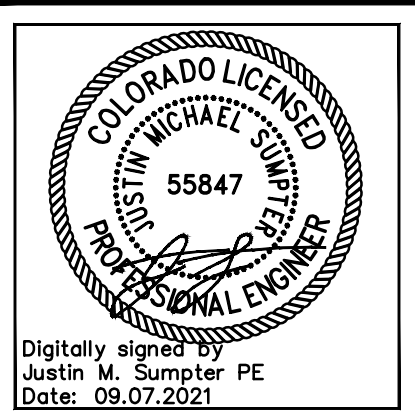
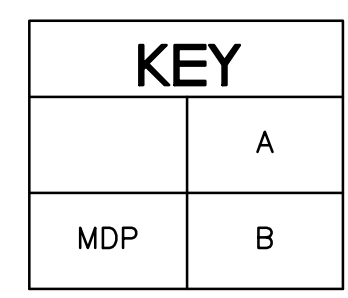
DESCRIPTION	LTG (VA)	RECEP (VA)	MOTOR (VA)	OTHER (VA)	TOTAL (VA)	FUSE AMP	CIRCUIT PHASE	FUSE AMP	TOTAL (VA)	OTHER (VA)	MOTOR (VA)	RECEP (VA)	LTG (VA)	DESCRIPTION
PANEL A	4850	0	1900	0	6750	150	A	125	11400		11400			RTU-1
PANEL A	6550	0	900	0	7450		B		11400		11400			RTU-1
PANEL A	2375	0	540	0	2915	3	C	3	11400		11400			RTU-1
PANEL B	4650	0	4860	0	9510	150	A	400	21333		21333			[D] DIMMER
PANEL B	4950	0	4340	0	9290		B		21333		21333			[D] DIMMER
PANEL B	2225	0	5080	280	7585	3	C	3	21333		21333			[D] DIMMER
[D] LIGHTING INVERTER	1500	20			1520		A		0		0			
[D] LIGHTING INVERTER	1500				1500		B		0		0			
							C		0		0			

LOAD TYPE	PHA	PH B	PH C	TOTAL	LOAD TYPE	POWER CONNECTED	DEMAN NEC CALCULATED
LIGHTING LED	0.0	0.0	0.0	0.0	LIGHTING LED	100% 0.0 KW	125% 0.0 KVA
LIGHTING FL/HID	11.0	13.0	4.6	28.6	LIGHTING FL/HID	95% 27.2 KW	125% 35.8 KVA
RECEPTACLES	6.8	5.2	5.6	17.6	RECEPTACLES		
MOTORS	32.7	32.7	33.0	98.5	FIRST 10KVA	95% 9.5 KW	100% 10.0 KVA
OTHER	4.5	5.5	1.5	11.5	REMAINDER	95% 7.2 KW	50% 3.8 KVA
TOTAL	55.0	56.5	44.7	156.2	LARGEST	80% 51.2 KW	125% 80.0 KVA
					REMAINDER	80% 27.6 KW	100% 34.5 KVA
					OTHER	95% 10.9 KW	125% 14.4 KVA
PHASE BALANCE	A-B	B-C	C-A	P.NL PF =			
	97%	79%	81%	0.86			
MIN PANEL AMPACITY =	495 AMPS				TOTAL	133.6 KW	178.4 KVA

PANEL: B (DEMO) TYPE: LIGHTING PROJECT NAME: TSJC MASSARI THEATER
 FED FROM: MDP PROJECT NO.: 20162
 VOLTAGE: 120/ 208 NEUTRAL BUS: Y NOTES: THIS IS AN EXISTING PANEL
 PHASE: 3 PHASE, 4 WIRE GROUND BUS: Y [D] LOAD REMOVED WITH THIS PROJECT
 MAIN OC DEVICE: 150 AMPS ISO GND: N
 MAIN LUGS: 150 AMPS
 A.I.C. RATING: 10000 AMPS

DESCRIPTION	LTG (VA)	RECEP (VA)	MOTOR (VA)	OTHER (VA)	TOTAL (VA)	FUSE AMP	CIRCUIT PHASE	FUSE AMP	TOTAL (VA)	OTHER (VA)	MOTOR (VA)	RECEP (VA)	LTG (VA)	DESCRIPTION
[D] DIMMER RM 300	1000	20			1020	20	A	1	1000			20	1000	LIGHTS AISLE CATWALK WEST
[D] DIMMER RM 300	3000	30			3030	30	B	1	1000			30	1000	LIGHTS AISLE CATWALK EAST
[D] DIMMER RM 300	1500	20			1520	20	C	1	1000			20	1000	LIGHTS RM 300 & STAIRWELL
[D] BIG FIXTURES AUDITORIUM	1350	20			1370	20	A	1	1000	1000				HEAT MENS RM
[D] BIG FIXTURES AUDITORIUM	1350	20			1370	20	B	1	1000	1000				HEAT MENS RM
HEATER RM 102			1000	1000	2000	20	C	2	1000	1000				HEAT WOMENS RM
HEATER RM 102			1000	1000	2000	20	A	2	1000	1000				HEAT WOMENS RM
HEATER TICKET BOOTH			1000	1000	2000	20	B	1	60					SPARE
HEATER TICKET BOOTH			1000	1000	2000	20	C	1	60					SPARE
LIGHTS RM 102,104,105,RESTROOMS	1500				1500	20	A	1	20				1000	RECEP LIGHTS JANITOR
LIGHTS RM 103,TICKET BOOTH	1200				1200	20	B	1	20				720	RECEP RM 102,103
RECEP S WALL RM 300			360		360	20	C	1	180				180	RECEP EAST WALL AUDITORIUM
RECEP SOUTH WALL RM 300			360		360	20	A	1	540				540	RECEP N WALL RM 300 & ROOF
RECEP SOUTH WALL RM 300			180		180	20	B	1	20				20	DOOR OPERATORS
SPACE			0		0		C	1	17000				17000	WATERHEATER ABOVE RR (CIRCUIT 1)
SPACE			0		0		A	2	17000				17000	WATERHEATER ABOVE RR (CIRCUIT 1)
SPACE			0		0		B	2	17000				17000	WATERHEATER ABOVE RR (CIRCUIT 2)
SPACE			0		0		C	2	17000				17000	WATERHEATER ABOVE RR (CIRCUIT 2)
SPACE			0		0		A	1	0				0	SPACE
SPACE			0		0		B	1	0				0	SPACE
SPACE			0		0		C	1	0				0	SPACE

LOAD TYPE	PHA	PH B	PH C	TOTAL	LOAD TYPE	POWER CONNECTED	DEMAN NEC CALCULATED
LIGHTING LED	0.0	0.0	0.0	0.0	LIGHTING LED	100% 0.0 KW	125% 0.0 KVA
LIGHTING FL/HID	4.9	6.6	2.4	13.8	LIGHTING FL/HID	95% 13.1 KW	125% 17.2 KVA
RECEPTACLES	18.9	17.9	34.5	71.3	RECEPTACLES		
MOTORS	0.0	0.0	0.0	0.0	FIRST 10KVA	95% 9.5 KW	100% 10.0 KVA
OTHER	3.0	2.0	3.0	8.0	REMAINDER	95% 58.3 KW	50% 30.7 KVA
TOTAL	26.8	26.5	39.9	93.1	LARGEST	80% 0.0 KW	125% 0.0 KVA
					REMAINDER	80% 0.0 KW	100% 0.0 KVA
					OTHER	95% 7.6 KW	125% 10.0 KVA
PHASE BALANCE	A-B	B-C	C-A	P.NL PF =			
	99%	86%	87%	0.95			
MIN PANEL AMPACITY =	188 AMPS				TOTAL	88.5 KW	67.9 KVA



Digitally signed by Justin M. Sumpster PE
Date: 09.07.2021

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TRINIDAD STATE JUNIOR COLLEGE MASSARI THEATER

ISSUE FOR CONSTRUCTION
09.07.2021

DESIGNED BY: JMS
 DRAWN BY: MES
 CHECKED BY: JCP
 PROJECT NO.: 20162
 DATE: 09/07/2021

DEMOLITION ONE LINE DIAGRAM

ED601

MARK	DESCRIPTION	MANUFACTURER	CATALOG NO.	LAMPS		FIXTURE		CONNECTION		FINISH	MOUNTING	KEYED NOTES
				QUAN	TYPE	LOAD (VA)	POWER	CONTROL				
**	THEATRICAL LIGHTING	-	-	-	-	-	-	PLUG	DMX	-	-	1.8
L	LINEAR SURFACE-MOUNT LED, 1% DIMMABLE	COLUMBIA	MPS4-30-ML-CW-ED1-U	LED	3K	40.1	2#10, #10G	-	0-10VDC 2#16 (PUR & GRAY)	WHITE	SURFACE	3
LE	LINEAR SURFACE-MOUNT LED, 1% DIMMABLE	COLUMBIA	MPS4-30-ML-CW-ED1-U	LED	3K	40.1	3#10, #10G	-	0-10VDC 2#16 (PUR & GRAY)	WHITE	SURFACE	2
A	PENDANT DOWNLIGHT, HIGH OUTPUT, PHASE DIMMABLE	-	-	-	-	-	2#10, #10G	-	PHASE	-	-	1
B	LED DOWNLIGHT, FLUSH MOUNT IN CEILING	APHABET	NH4RDXM19-20LM-98-S30-120-DIM10Z-NC-MC-MC	LED	3K	30	2#12, #12G	-	0-10VDC 2#16 (PUR & GRAY)	WHITE	FLUSH	2.3
C	LED RECESSED CAN, PHASE DIMMABLE	-	-	-	-	-	2#12, #12G	-	PHASE	-	-	1.7
D	TRACK FOR LIGHT	CONTECH	LT-5-B	-	-	-	2#12, #12G	-	PHASE	BLACK	SURFACE	5
D	TRACK FIXTURE HEAD, PHASE DIMMABLE	CONTECH	CTL-845A-27-D-B FA-15-B, FA-16 50MM	LED	3K	30	-	-	-	BLACK	TRACK	6
FE	WALL-MOUNTED EXTERIOR LED DOWNLIGHT, FULL CUTOFF	KIM	WDM-U-48L-55-3K7-FTD-UNV-D8-SF	LED	3K	55	2#10, #10G	-	NONE	BRONZE	SURFACE	2.4
GE	SURFACE MOUNT LED CAN DOWNLIGHT	-	-	-	-	-	-	-	-	-	-	1.2

LIGHTING FIXTURE KEYED NOTES

- REFER TO THEATRICAL LIGHTING DESIGN, PROVIDE CONNECTION FOR AND INSTALL ALL FIXTURES LISTED, FOLLOW ALL ESTA RECOMMENDATIONS
- EMERGENCY FIXTURE IS IDENTICAL TO NON-EMERGENCY. POWER IS SOURCE THRU EMERGENCY LIGHTING RELAY, PROVIDE ONE RELAY PER ZONE
- FOR ROOMS WITHOUT DIMMING, INSTALL DIMMING CIRCUIT TO NEAREST JUNCTION BOX AND CAP
- INSTALL GASKET BETWEEN FIXTURE AND BUILDING TO SEAL ELECTRICAL BOX
- PROVIDE TRACK LENGTH AS INDICATED AND ALL HARDWARE REQUIRED FOR INSTALLATION
- PROVIDE FIXTURE QUANTITY AS INDICATED
- PROVIDE MOUNTING BRACKET, DMX DRIVER, AND ALL HARDWARE REQUIRED FOR OPERATION
- PROVIDE PIPE CLAMP TO MOUNT TO THEATRICAL LIGHTING BAR, PROVIDE SAFETY WIRE, AND ALL NECESSARY HARDWARE

GENERAL NOTES

PRIOR TO THE INSTALLATION OF THE SYSTEM, A FACTORY AUTHORIZED SERVICE TECHNICIAN SHALL MEET ON SITE WITH THE ELECTRICAL FOREMAN FOR THE PROJECT. AT THIS MEETING THE FOREMAN WILL BE PROVIDED A FULL SET OF APPROVED LIGHTING CONTROL DRAWINGS. THE LIGHTING CONTROL TECHNICIAN WILL REVIEW SENSOR PLACEMENT, OCCUPANCY SENSOR REQUIREMENTS, SWITCH LOCATIONS, WIRING REQUIREMENTS AND ANY OTHER INFORMATION CRITICAL TO THE INSTALLATION OF THE SYSTEM.

UPON COMPLETION OF THE INSTALLATION, THE SYSTEM SHALL BE COMPLETELY COMMISSIONED BY THE MANUFACTURER'S FACTORY AUTHORIZED TECHNICIAN WHO WILL VERIFY ALL ADJUSTMENTS, PROGRAMMING, SENSOR PLACEMENT, ETC. TO ENSURE A TROUBLE-FREE LIGHTING CONTROL SYSTEM THAT MEETS THE DESIGN INTENT OF THE CONSTRUCTION DOCUMENTS. LIGHTING COMMISSIONING SHALL BE PERFORMED IN ACCORDANCE WITH THE 2018 IECC.

THE MANUFACTURER SHALL PROVIDE A FACTORY AUTHORIZED TECHNICIAN TO TRAIN OWNER PERSONNEL IN THE OPERATION, PROGRAMMING AND MAINTENANCE OF THE LIGHTING CONTROL SYSTEM, INCLUDING ALL OCCUPANCY SENSORS, DIMMERS, ETC.

REFER TO TYPICAL OCCUPANCY SENSOR SCHEMATICS.

PENDANT MOUNTING: ATTACH LINEAR FIXTURES DIRECTLY TO A CONTINUOUS LENGTH OF STRUT THAT IS SUPPORTED FROM THE STRUCTURE BY THREADED ROD AT BOTH ENDS, AND 6' MAX INTERVALS

PENDANT MOUNTING: ATTACH CAN FIXTURES TO THE STRUCTURE INDEPENDENTLY OF THE ELECTRICAL BOX

PROVIDE AIMING AND ADJUSTING SERVICES DURING SYSTEM COMMISSIONING FOR ALL LIGHT FIXTURES, NEW AND EXISTING

EMERGENCY LIGHTING

EMERGENCY EGRESS FIXTURES ARE IDENTICAL EQUIPMENT TO NON-EMERGENCY FIXTURES. REFER TO WIRING DIAGRAM FOR DIFFERENCE IN CONTROLS AND POWER SOURCE

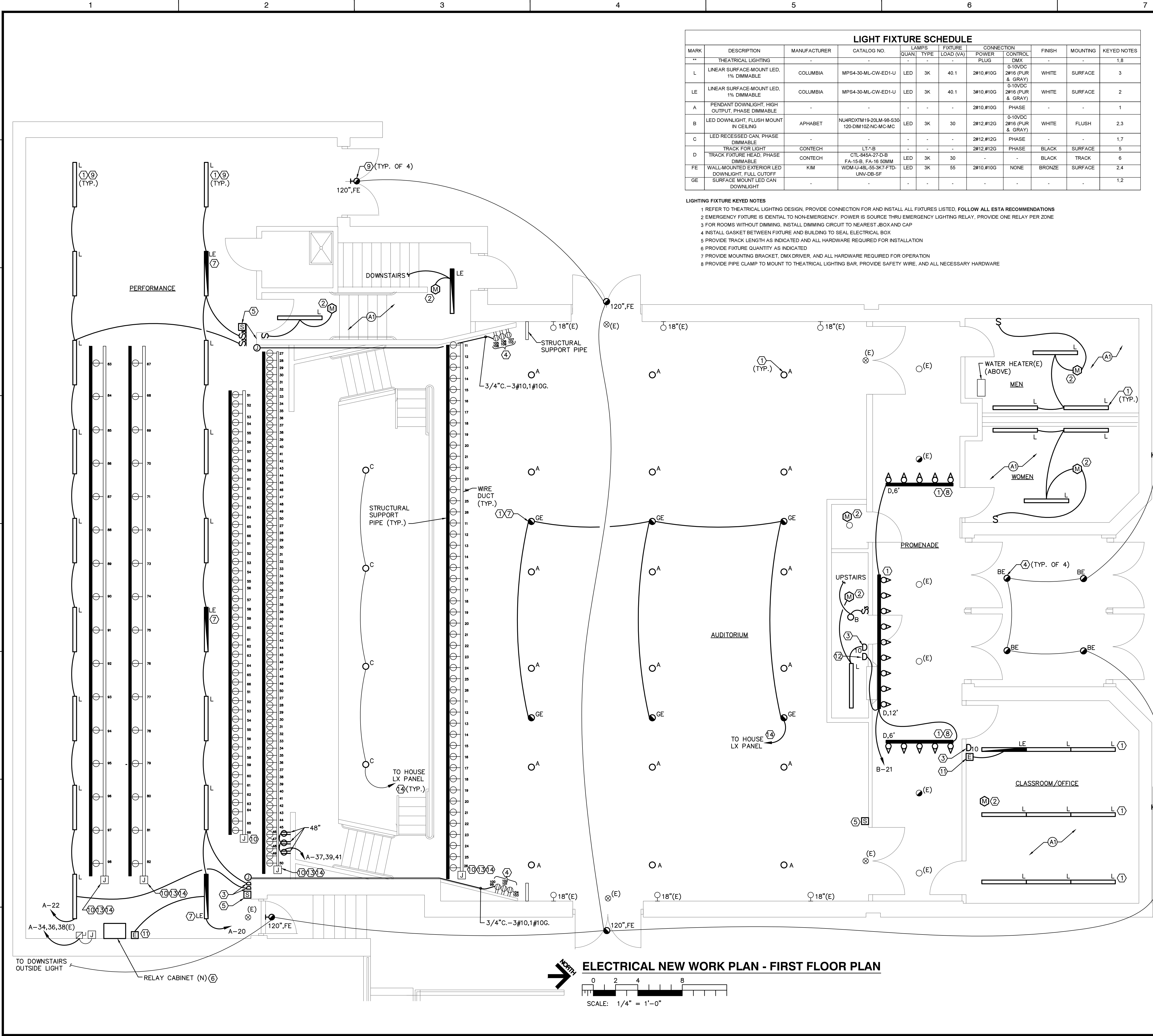
- REFER TO LIGHTING WIRING DIAGRAM
- ALL EMERGENCY POWER CIRCUITS SHALL BE #10 WIRE

KEYNOTES

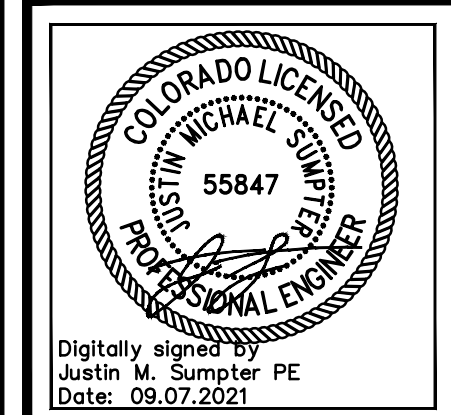
- PROVIDE NEW LIGHT FIXTURE PER SCHEDULE. CONNECT TO EXISTING CIRCUIT
- PROVIDE NEW CEILING MOUNTED OCCUPANCY SENSOR, WATTSTOPPER MODEL DT-355 OR PREAPPROVED EQUAL. IN ADDITION TO THE LINE VOLTAGE WIRING PROVIDE TWO #16 (600V) CONDUCTORS FOR LOW VOLTAGE CONTROL FROM DIMMER TO EACH FIXTURE CONTROLLED BY THE DIMMER
- PROVIDE NEW DIMMING WALL SWITCH WITH 0-10V DIMMING, PASS & SEYMOUR CD4FB PREAPPROVED EQUAL. SEE WIRING DIAGRAM. REPULL SWITCH-LEG CIRCUIT TO INCLUDE GRAY/PURPLE #16 THHN
- RECONNECT EXISTING RECEPTACLE TO BACKSTAGE RECEPTACLE IN CONDUIT/WIRE TO REPLACE THE EXISTING SMR AND ROMEX. CIRCUITING AND RECEPTACLES WILL REMAIN THE SAME
- NEW LOW-VOLTAGE SWITCH SPECIFIED IN THEATRICAL DESIGN. PROVIDE CONNECTION PER THEATRICAL DESIGN SPECIFICATIONS. ALL CONDUIT SHALL BE INSTALLED PER ELECTRICAL SPECS
- PROVIDE FEEDER TO RELAY CABINET PER ONELINE. SEE JUNCTION BOX DETAIL
- LIGHT FIXTURE WAS PREVIOUSLY NOT EMERGENCY. CONNECT TO LIGHTING INVERTER AND NORMAL POWER SOURCE PER DETAILS
- MOUNT ON WALL 12" ABOVE LOBBY CEILING
- SUSPEND FIXTURE AS PENDENT AT HEIGHT AS DIRECTED BY THEATRICAL DESIGNER
- EXISTING WIREWAY WILL REMAIN IN PLACE. EXISTING CONDUIT AND CONDUCTORS WILL BE REDIRECTED FROM OLD DIMMING CABINET TO NEW LIGHTING TERMINAL BOX
- PROVIDE EMERGENCY LIGHTING RELAY (ELR), WATTSTOPPER AD-EPC-D-F-ATS, OR PREAPPROVED EQUAL. PROVIDE NON-SWITCHED EMERGENCY CIRCUIT FROM INVERTER TO ELR. SWITCHED AND NON-SWITCHED BRANCH CIRCUIT FROM ROOM LIGHTING CONTROLS, AND DIMMING CIRCUIT. MOUNT NEAR TO WALL SWITCH IN EACH ROOM. REFER TO DIGITAL EMERGENCY LIGHTING SCHEMATIC DIAGRAM
- PROVIDE PHASE-DIMMING LIGHT SWITCH, LEGRAND RHT03PTUC OR PREAPPROVED EQUAL. WIRE TO BRANCH CIRCUIT AND FIXTURE WITH 2#12, #12G
- INSTALL ALL FIXTURES PROVIDED IN THEATRICAL DESIGN. PROVIDE ALL NECESSARY HARDWARE, PIPE CLAMP, AND SAFETY WIRE
- REDIRECT EXISTING CIRCUIT PER THEATRICAL DETAIL

SELECTED BID ALTERNATES

- A1 ADD ALTERNATE #1



ELECTRICAL NEW WORK PLAN - FIRST FLOOR PLAN
 SCALE: 1/4" = 1'-0"



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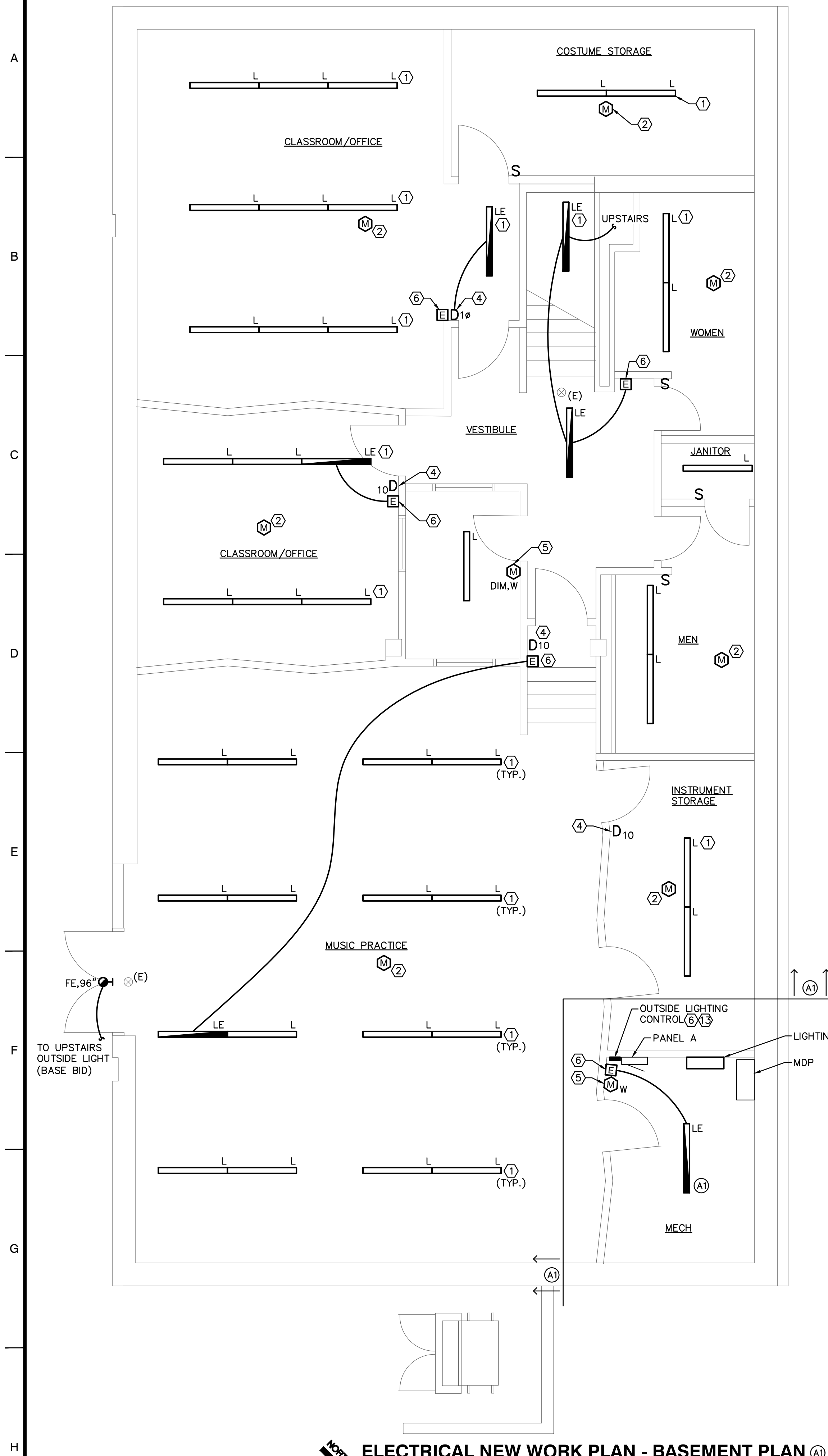
TRINIDAD STATE JUNIOR COLLEGE MASSARI THEATER

ISSUE FOR CONSTRUCTION
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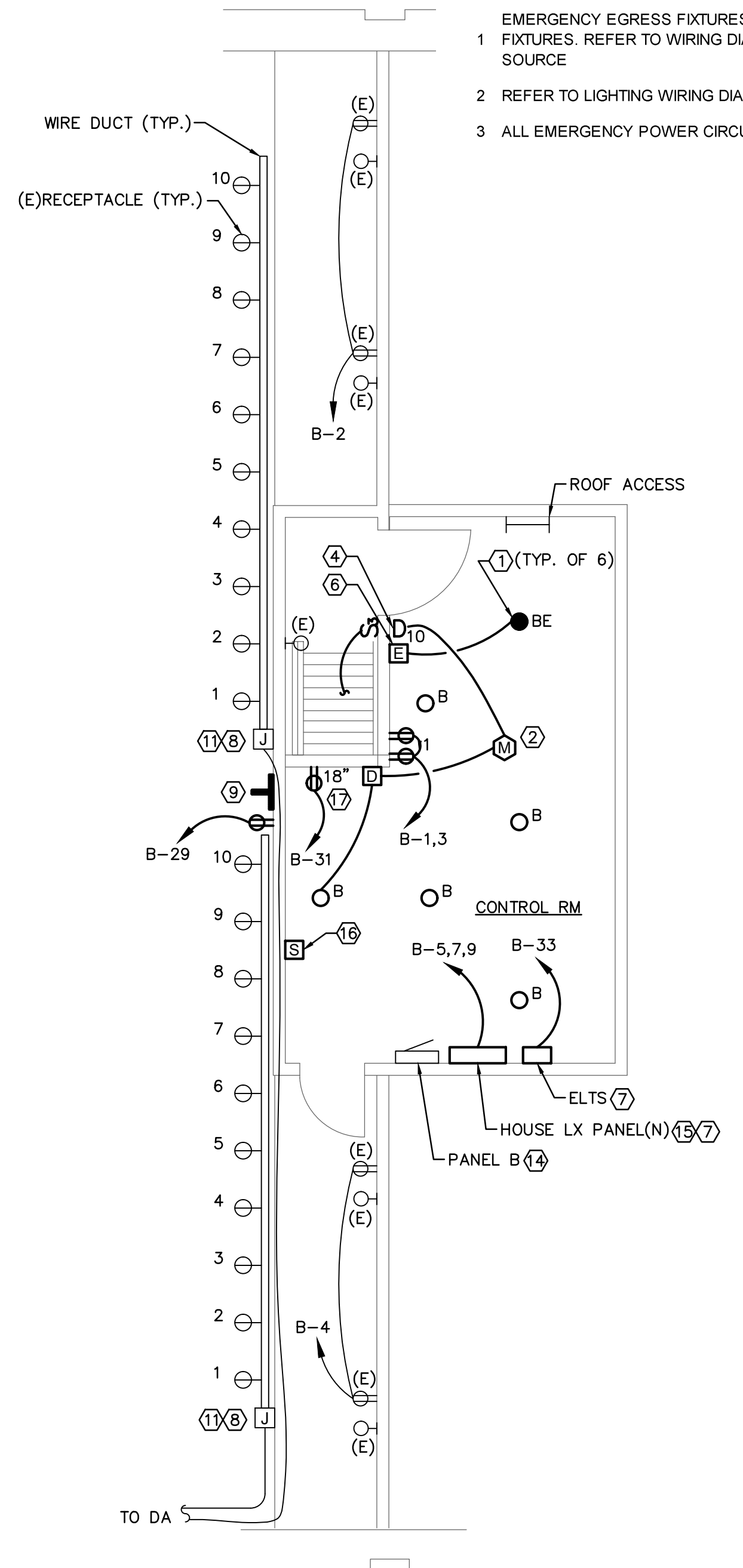
DESIGNED BY: JMS
 DRAWN BY: MES
 CHECKED BY: JCP
 PROJECT NO.: 20162
 DATE: 09/07/2021

PROJECT TITLE: ELECTRICAL NEW WORK PLAN

E-101



ELECTRICAL NEW WORK PLAN - BASEMENT PLAN (A)
 SCALE: 1/4" = 1'-0"



ELECTRICAL NEW WORK PLAN - SECOND FLOOR PLAN
 SCALE: 1/4" = 1'-0"
 ALL BASE BID

GENERAL NOTES

- 1 PRIOR TO THE INSTALLATION OF THE SYSTEM, A FACTORY AUTHORIZED SERVICE TECHNICIAN SHALL MEET ON SITE WITH THE ELECTRICAL FOREMAN FOR THE PROJECT. AT THIS MEETING THE FOREMAN WILL BE PROVIDED A FULL SET OF APPROVED LIGHTING CONTROL DRAWINGS. THE LIGHTING CONTROL TECHNICIAN WILL REVIEW SENSOR PLACEMENT, OCCUPANCY SENSOR REQUIREMENTS, SWITCH LOCATIONS, WIRING REQUIREMENTS AND ANY OTHER INFORMATION CRITICAL TO THE INSTALLATION OF THE SYSTEM.
- 2 UPON COMPLETION OF THE INSTALLATION, THE SYSTEM SHALL BE COMPLETELY COMMISSIONED BY THE MANUFACTURER'S FACTORY AUTHORIZED TECHNICIAN WHO WILL VERIFY ALL ADJUSTMENTS, PROGRAMMING, SENSOR PLACEMENT, ETC. TO ENSURE A TROUBLE-FREE LIGHTING CONTROL SYSTEM THAT MEETS THE DESIGN INTENT OF THE CONSTRUCTION DOCUMENTS. LIGHTING COMMISSIONING SHALL BE PERFORMED IN ACCORDANCE WITH THE 2018 IECC.
- 3 THE MANUFACTURER SHALL PROVIDE A FACTORY AUTHORIZED TECHNICIAN TO TRAIN OWNER PERSONNEL IN THE OPERATION, PROGRAMMING AND MAINTENANCE OF THE LIGHTING CONTROL SYSTEM, INCLUDING ALL OCCUPANCY SENSORS, DIMMERS, ETC.
- 4 REFER TO TYPICAL OCCUPANCY SENSOR SCHEMATICS.
- 5 PENDANT MOUNTING: ATTACH LINEAR FIXTURES DIRECTLY TO A CONTINUOUS LENGTH OF STRUT THAT IS SUPPORTED FROM THE STRUCTURE BY THREADED ROD AT BOTH ENDS, AND 6" MAX INTERVALS
- 6 PENDANT MOUNTING: ATTACH CAN FIXTURES TO THE STRUCTURE INDEPENDENTLY OF THE ELECTRICAL BOX
- 7 PROVIDE AIMING AND ADJUSTING SERVICES DURING SYSTEM COMMISSIONING FOR ALL LIGHT FIXTURES, NEW AND EXISTING
- 8 USE ARCHITECTURAL GRADE SWITCHES FOR ALL TOGGLES

EMERGENCY LIGHTING

- 1 EMERGENCY EGRESS FIXTURES ARE IDENTICAL EQUIPMENT TO NON-EMERGENCY FIXTURES. REFER TO WIRING DIAGRAM FOR DIFFERENCE IN CONTROLS AND POWER SOURCE
- 2 REFER TO LIGHTING WIRING DIAGRAM
- 3 ALL EMERGENCY POWER CIRCUITS SHALL BE #10 WIRE

KEYNOTES

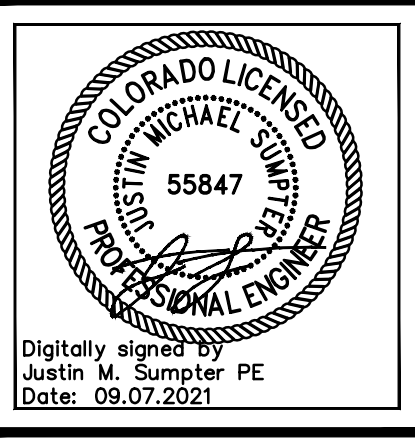
- 1 PROVIDE NEW LIGHT FIXTURE PER SCHEDULE
- 2 PROVIDE NEW CEILING MOUNTED OCCUPANCY SENSOR, WATTSTOPPER MODEL DT-30055 OR APPROVED EQUAL
- 4 PROVIDE NEW DIMMING WALL SWITCH WITH 0-10V DIMMING, PASS & SEYMOUR CD4FBL PREAPPROVED EQUAL. SEE WIRING DIAGRAM
- 5 PROVIDE NEW WALLMOUNTED OCCUPANCY SENSOR WITH 0-10V DIMMING, WATTSTOPPER MODEL DW-311 OR PREAPPROVED EQUAL
- 6 PROVIDE EMERGENCY LIGHTING RELAY (ELR), WATTSTOPPER AD-EPC-D-F-ATS, OR PREAPPROVED EQUAL. PROVIDE NON-SWITCHED EMERGENCY CIRCUIT FROM INVERTER TO ELR, SWITCHED AND NON-SWITCHED BRANCH CIRCUIT FROM ROOM LIGHTING CONTROLS, AND DIMMING CIRCUIT. MOUNT NEAR TO WALL SWITCH IN EACH ROOM. REFER TO DIGITAL EMERGENCY LIGHTING SCHEMATIC DIAGRAM
- 7 BASE BID - PROVIDE NEW LIGHTING INVERTER AND CONNECTION TO EMERGENCY DISCONNECT PER ONELINE. PROVIDE EMERGENCY POWER FROM INVERTER TO ALL EMERGENCY LIGHTING RELAY (ELR) IN HOUSE LX PANEL AND EMERGENCY LIGHTING FIXTURES
- 8 REWORK EXISTING CONDUIT TO CONNECT TO NEW DIMMING CABINET. USE FLEX CONDUIT ONLY WHERE REQUIRED PER SPECIFICATION
- 9 PROVIDE PROJECTOR MOUNT, CHIEF WMA2S WITH RPA AND ADJUSTABLE CMS OR PREAPPROVED EQUAL. PROVIDE UNISTRUT, HARDWARE, AND BRACKETS TO MATCH EXISTING CATWALK CONSTRUCTION. MOUNT OUTSIDE AND BELOW HANDRAIL. SUPPORT TO STRUCTURE USING EXISTING CAST-IN STRUT PAINT TO MATCH EXISTING CATWALK. PROVIDE NEW RECEPTACLE AS SHOWN
- 10 PROVIDE CAT5E ETHERNET CABLE TO SHARE COMMON RACEWAY WITH 120V POWER. CABLE SHALL BE RATED 300V, SHIELDED, TERMINATED WITH SHIELDING CONNECTORS WHEREVER POSSIBLE. BOND SHIELD TO GROUND
- 11 INSTALL ALL FIXTURES PROVIDED IN THEATRICAL DESIGN. PROVIDE ALL NECESSARY HARDWARE, PIPE CLAMP, AND SAFETY WIRE
- 12 PROVIDE RED SWITCH WITH RED DEVICE PLATE. REFER TO WIRING DIAGRAM. PROVIDE ENGRAVED LABEL "EM TEST SWITCH"
- 13 BASE BID - REPLACE EXISTING LIGHTING TIMECLOCK, CONNECT TO (AND PROVIDE) EMERGENCY LIGHTING RELAY FOR EXTERIOR EMERGENCY EGRESS LIGHT FIXTURES. PROVIDE INTERMATIC ET8000, DUAL RELAY, IN STEEL ENCLOSURE. REFER TO WIRING DIAGRAM
- 14 PERFORM 30-DAY LOAD DEMAND STUDY FOR PANEL B USING POWER QUALITY METER. PROVIDE DATA RESULTS AND REPORT TO SCHENDT ENGINEERING
- 15 PROVIDE BRANCH CIRCUIT CONNECTION TO CONTROL PANEL
- 16 NEW LOW VOLTAGE SWITCH AND KEYSWITCH
- 17 PROVIDE NEW RECEPTACLE AND BRANCH CIRCUIT CONNECTION.

SELECTED BID ALTERNATES

- A1 ADD ALTERNATE #1

LIGHT FIXTURE SCHEDULE											
MARK	DESCRIPTION	MANUFACTURER	CATALOG NO.	LAMPS QUAN	FIXTURE TYPE	LOAD (VA)	CONNECTION POWER	CONTROL DMX	FINISH	MOUNTING	KEYED NOTES
**	THEATRICAL LIGHTING	-	-	-	-	-	-	-	-	-	1,8
L	LINEAR SURFACE-MOUNT LED, 1% DIMMABLE	COLUMBIA	MPS4-30-ML-CW-ED1-U	LED 3K	LED	40.1	2#10,#10G	0-10VDC 2#16 (PUR & GRAY)	WHITE	SURFACE	3
LE	LINEAR SURFACE-MOUNT LED, 1% DIMMABLE	COLUMBIA	MPS4-30-ML-CW-ED1-U	LED 3K	LED	40.1	3#10,#10G	0-10VDC 2#16 (PUR & GRAY)	WHITE	SURFACE	2
A	PENDANT DOWNLIGHT, HIGH OUTPUT, PHASE DIMMABLE	-	-	-	-	-	2#10,#10G	PHASE	-	-	1
B	LED DOWNLIGHT, FLUSH MOUNT IN CEILING	APHABET	NHRODTM19-20LM-98-S30-120-DM102-NC-MC-MC	LED 3K	LED	30	2#12,#12G	0-10VDC 2#16 (PUR & GRAY)	WHITE	FLUSH	2,3
C	LED RECESSED CAN, PHASE DIMMABLE	-	-	-	-	-	2#12,#12G	PHASE	-	-	1,7
D	TRACK FOR LIGHT	CONTECH	LT-B	-	-	-	2#12,#12G	PHASE	BLACK	SURFACE	5
FE	TRACK FIXTURE HEAD, PHASE DIMMABLE	CONTECH	CTE-845A-27-D-B FA-15-B FA-16 50MM	LED 3K	LED	30	-	-	BLACK	TRACK	6
GE	WALL-MOUNTED EXTERIOR LED DOWNLIGHT, FULL CUTOFF SURFACE MOUNT LED CAN DOWNLIGHT	KIM	WDM-U48L-55-3K7-FITD-UNV-DB-SF	LED 3K	LED	55	2#10,#10G	NONE	BRONZE	SURFACE	2,4
											1,2

- LIGHTING FIXTURE KEYED NOTES**
- 1 REFER TO THEATRICAL LIGHTING DESIGN. PROVIDE CONNECTION FOR AND INSTALL ALL FIXTURES LISTED. FOLLOW ALL ESTA RECOMMENDATIONS
 - 2 EMERGENCY FIXTURE IS IDENTICAL TO NON-EMERGENCY. POWER IS SOURCE THRU EMERGENCY LIGHTING RELAY. PROVIDE ONE RELAY PER ZONE
 - 3 FOR ROOMS WITHOUT DIMMING, INSTALL DIMMING CIRCUIT TO NEAREST J-BOX AND CAP
 - 4 INSTALL GASKET BETWEEN FIXTURE AND BUILDING TO SEAL ELECTRICAL BOX
 - 5 PROVIDE TRACK LENGTH AS INDICATED AND ALL HARDWARE REQUIRED FOR INSTALLATION
 - 6 PROVIDE FIXTURE QUANTITY AS INDICATED
 - 7 PROVIDE MOUNTING BRACKET, DMX DRIVER, AND ALL HARDWARE REQUIRED FOR OPERATION
 - 8 PROVIDE PIPE CLAMP TO MOUNT TO THEATRICAL LIGHTING BAR. PROVIDE SAFETY WIRE, AND ALL NECESSARY HARDWARE



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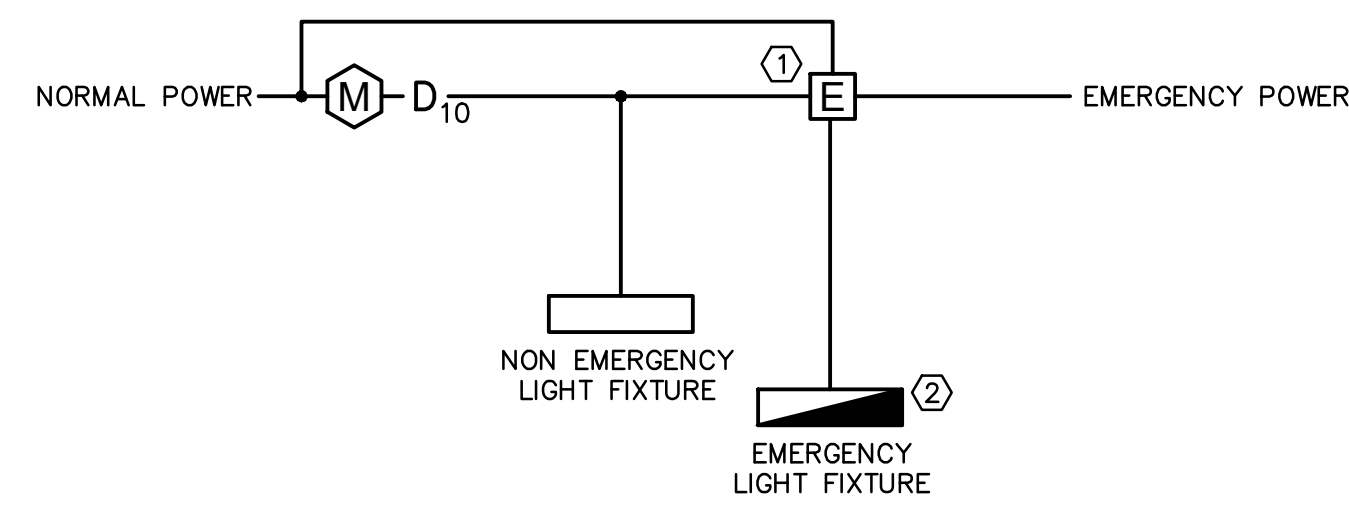
TRINIDAD STATE JUNIOR COLLEGE MASSARI THEATER

ISSUE FOR CONSTRUCTION
 09/07/2021

DESIGNED BY: JMS
 DRAWN BY: MES
 CHECKED BY: JCP
 20162
 DATE: 09/07/2021

ELECTRICAL NEW WORK PLANS

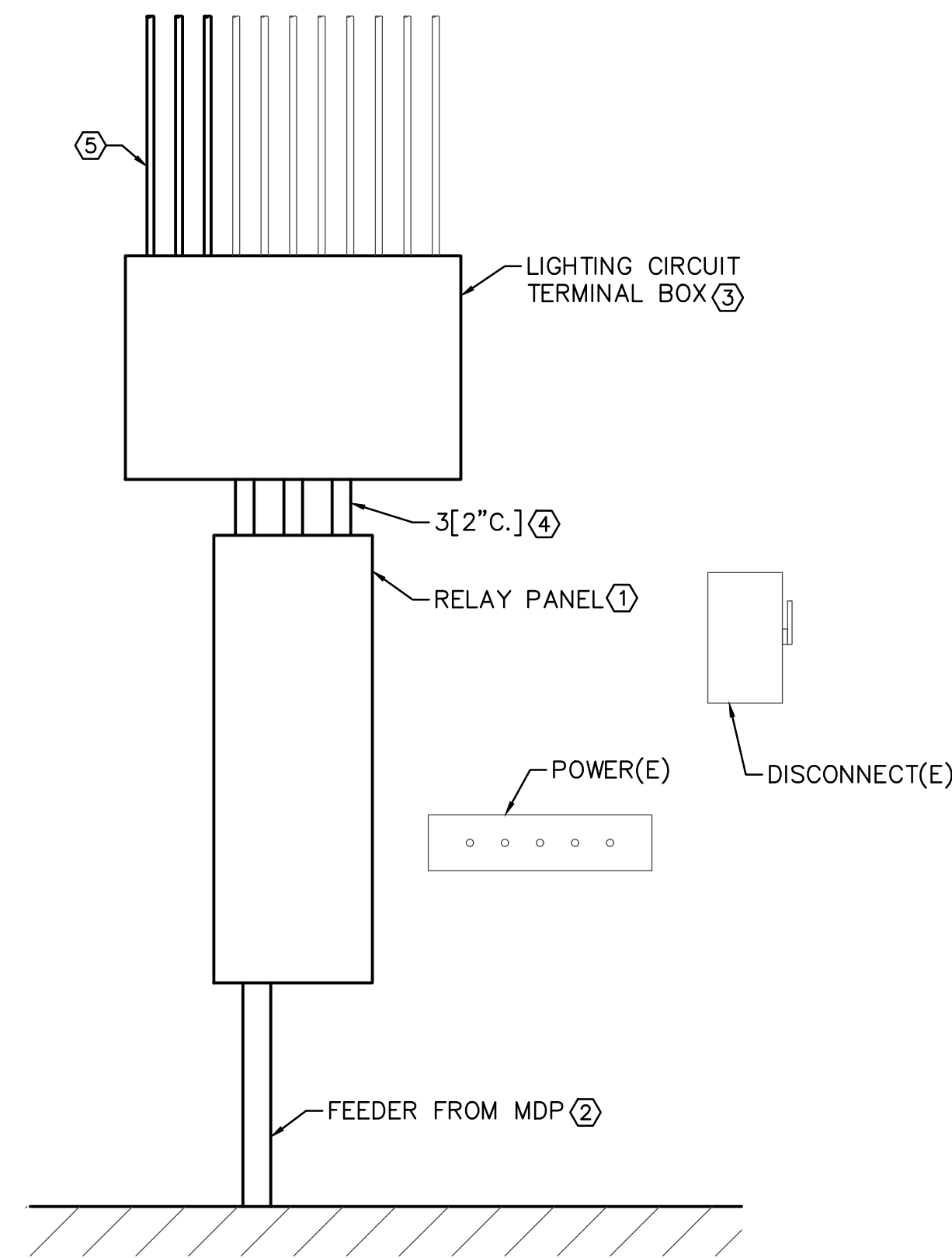
E-102



ELR WIRING DIAGRAM - APPLIES TO BE, LE & FE FIXTURES
NO SCALE

KEYNOTES

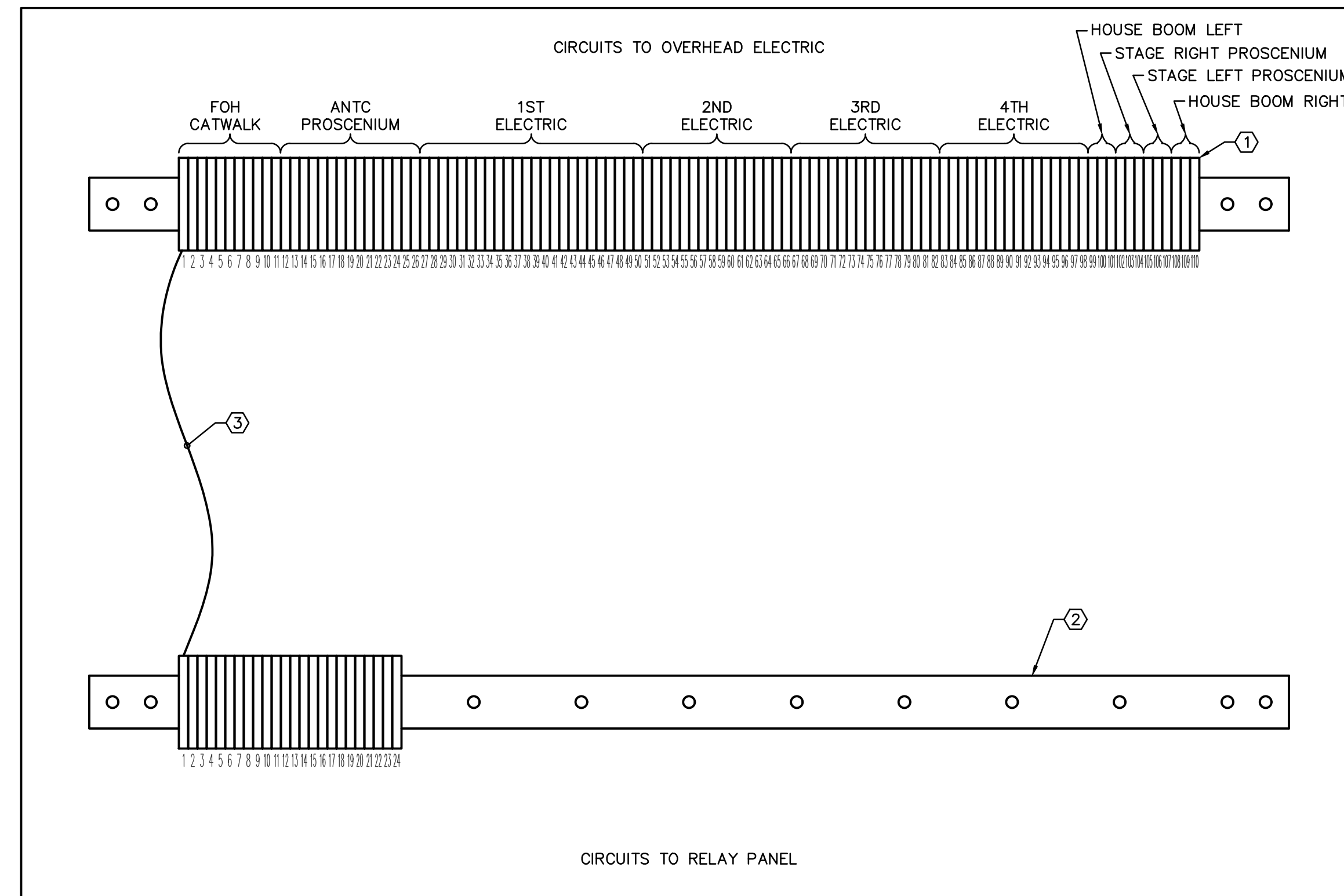
- ① MOUNT IN ACCESSIBLE LOCATION FOR TESTING, EMERGENCY LIGHTING RELAY.
- ② EMERGENCY FIXTURES BEHAVE LIKE NON-EMERGENCY UNTIL POWER OUTAGE.



BACKSTAGE CONTROLS - ELEVATION VIEW
NO SCALE

ELEVATION NOTES

- 1 PROVIDE NEW RELAY PANEL SPECIFIED IN THEATRICAL DESIGN. MOUNT TO WALL PER SPECIFICATIONS
- 2 PROVIDE NEW FEEDER TO RELAY PANEL PER ONELINE
- 3 PROVIDE JUNCTION BOX FOR USE IN LIGHTING CIRCUIT INTERCONNECT. PROVIDE MILD STEEL, HINGED COVER, 24X36", OR APPROVED EQUAL
- 4 PROVIDE 3[2" C] NIPPLES BETWEEN RELAY PANEL AND LIGHTING CIRCUIT TERMINAL BOX
- 5 CONNECT EXISTING LIGHTING CIRCUIT CONDUITS TO LIGHTING CIRCUIT TERMINAL BOX. PULL BACK CONDUCTORS AND REDIRECT INTO BOX WITHOUT DAMAGE



LIGHTING CIRCUIT TERMINAL BOX - WIRING DIAGRAM
NO SCALE

GENERAL

- 1 CONTROL WIRING TO PUSHBUTTON STATIONS, ETC. NOT SHOWN. ALL CONTROL CIRCUITS ARE EXPECTED TO PASS THRU THIS BOX UNBROKEN

WIRING DIAGRAM NOTES

- 1 PROVIDE LABELED TERMINATIONS FOR EXISTING LIGHTING CIRCUITS TO OVERHEAD ELECTRICS. PROVIDE DIN RAIL AND TERMINAL BLOCK TO CONNECT EXISTING LIGHTING CIRCUIT. PROVIDE TWO-LEVEL TERMINALS WITH GROUND, PHOENIX CONTACT DOK 1.5-2D - 2717139 OR APPROVED EQUAL. PROVIDE DINRAIL WITH 2" STANDOFF
- 2 PROVIDE LABELED TERMINATIONS FOR NEW RELAY PANEL CIRCUITS. PROVIDE DIN RAIL AND TERMINAL BLOCK TO CONNECT EXISTING LIGHTING CIRCUIT. PROVIDE TWO-LEVEL TERMINALS WITH GROUND, PHOENIX CONTACT DOK 1.5-2D - 2717139 OR APPROVED EQUAL. PROVIDE DINRAIL WITH 2" STANDOFF
- 3 PROVIDE INTERCONNECT FROM RELAY PANEL TO OVER HEAD ELECTRIC CIRCUITS PER TABLE (THIS SHEET)

CIRCUIT #	RELAY #
1	1
2	2
3	3
4	4
7	3
8	4
9	3
10	4
11	5
13	6
15	7
17	8
19	5
21	6
23	7
25	8
27	11
31	12
35	11
39	12
43	11
47	12
51	13
53	14
55	15
57	13
59	14
61	15
63	13
65	14
66	15
67	16
68	17
69	18
70	16
71	17
72	18
73	16
74	17
75	18
76	16
77	17
78	18
79	16
80	17
81	18
83	19
84	20
85	21
86	22
87	19
88	20
89	21
90	22
91	19
92	20
93	21
94	22
95	19
96	20
97	21
98	22
99	10
100	10
101	10
102	24
103	24
104	24
105	23
106	23
107	23
108	9
109	9
110	9

SCHENDT
ENGINEERING
CORPORATION
CONSULTING ENGINEERS
5100 CENTENNIAL BLVD, SUITE 200
COLORADO SPRINGS, CO 80913
PH: (719) 637-8850 • sec@schendt.com

COLORADO LICENSED
BUSINESS
55847
JUSTIN M. SAMPLER
PE
Date: 09.07.2021

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**TRINIDAD STATE
JUNIOR COLLEGE
MASSARI THEATER**

ISSUE FOR CONSTRUCTION
09.07.2021

DESIGNED BY
JMS

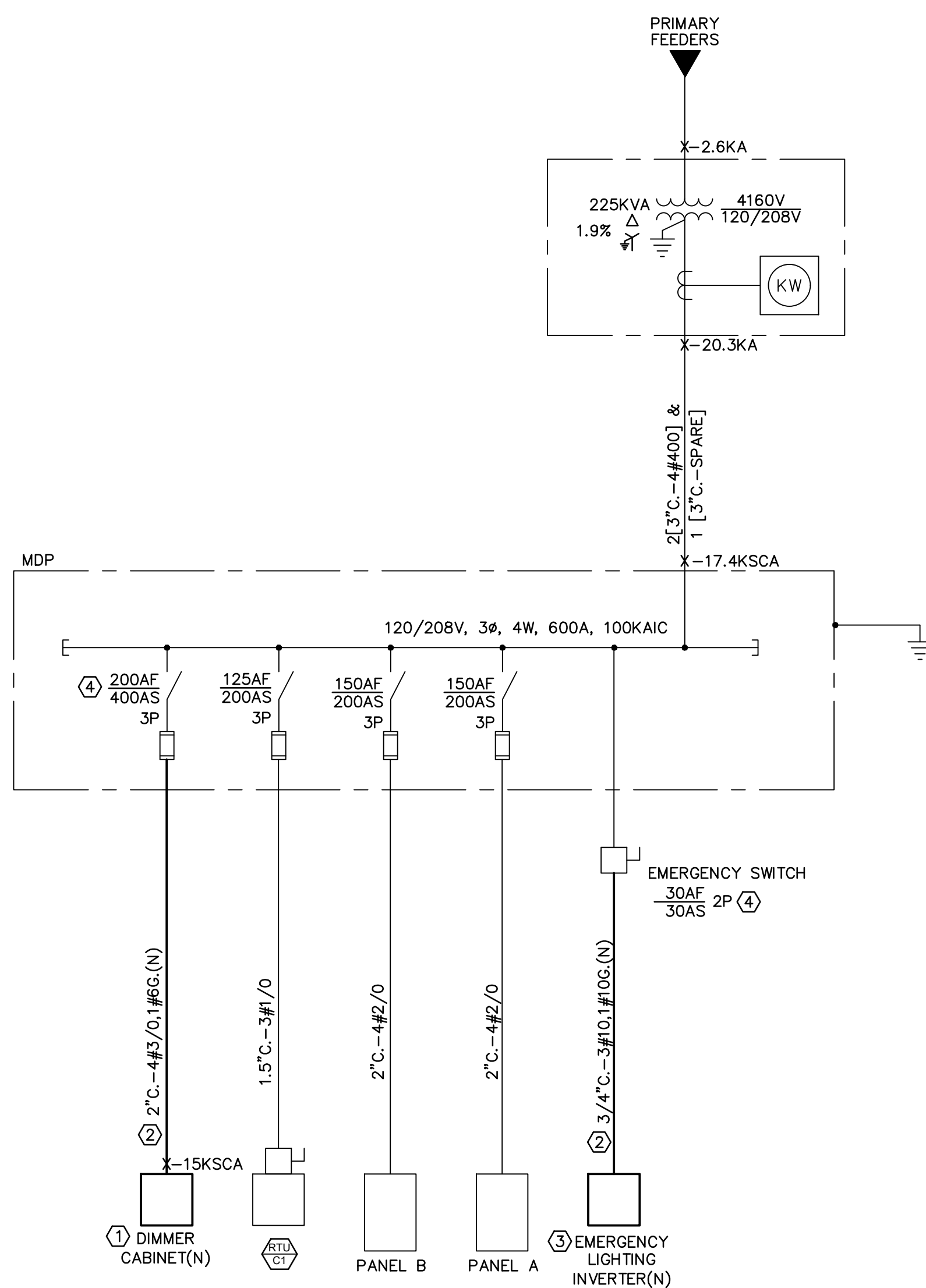
DRAWN BY
MES

CHECKED BY
JCP

PROJECT NO.
20162
DATE
09/07/2021

SHEET TITLE
DETAILS

SHEET
E-501



- # KEYNOTES
- NEW DIMMER CABINET IS PROVIDED BY THEATRICAL SCOPE. INSTALL AND CONNECT PER MANUFACTURER RECOMMENDATIONS. EQUIPMENT SHALL BE RATED FOR GREATER THAN 22KAIC
 - PROVIDE NEW FEEDER PER SPECIFICATIONS
 - PROVIDE NEW LIGHTING INVERTER. INSTALL AND CONNECT PER MANUFACTURER RECOMMENDATION. DUALLITE D120-27S120-A2002
 - REPLACE FUSES

DEMOLITION ONE LINE DIAGRAM
NO SCALE

DESCRIPTION	LTG (VA)	RECEP (VA)	MOTOR (VA)	OTHER (VA)	TOTAL (VA)	FUSE (A)	CIRCUIT (P)	FUSE (A)	TOTAL (VA)	OTHER (VA)	MOTOR/RECEP (VA)	LTG (VA)	DESCRIPTION
PANEL A	4850	0	1900	0	6750	150	A	125	11400	11400			RTU-1
PANEL A	6550	0	900	0	7450		B		11400	11400			RTU-1
PANEL A	2375	0	540	0	2915	3	C	3	11400	11400			RTU-1
PANEL B	4850	0	1900	0	6750	150	A	200	9400			9400	[N] DIMMER
PANEL B	6550	0	900	0	7450		B		9400			9400	[N] DIMMER
PANEL B	2375	0	540	0	2915	3	C	3	9400			9400	[N] DIMMER
[N] LIGHTING INVERTER	0	0	0	0	0	30	A		0			0	
[N] LIGHTING INVERTER	0	0	0	0	0	2	B		0			0	
[N] LIGHTING INVERTER	0	0	0	0	0	3	C		0			0	

DESCRIPTION	LTG (VA)	RECEP (VA)	MOTOR (VA)	OTHER (VA)	TOTAL (VA)	BRKR (AMP)	CIRCUIT (PHASE)	BRKR (AMP)	TOTAL (VA)	OTHER (VA)	MOTOR/RECEP (VA)	LTG (VA)	DESCRIPTION
E SILVER POLE LIGHT	1000				1000	20	01 A 02	1	20	1600			1600 LIGHTS RM 200
E SILVER POLE LIGHT	1000				1000	20	03 B 04	1	20	1600			1600 LIGHTS RM 200
SPARE					0	20	05 C 06	1	20	1500			1500 LIGHTS RM 201,202,208
RECEP OUTSIDE CEMENT WALL			1080		1080	20	07 A 08	1	20	800			800 LIGHTS RM 205,206,207
RECEP WATERCOOLER, 202,204		1250			1250	20	09 B 10	1	20	1000	1000		HEATER STAIRWELL
RECEP GFI BATHROOM & STORAGE		1080			1080	20	11 C 12	2	-	1000	1000		HEATER STAIRWELL
RECEP RM 201,202		900			900	20	13 A 14	1	60	4500	4500		WATER HEATER COSTUME STORAGE
PLUG MOLD AUDIO 208		1000			1000	20	15 B 16	2	-	4500	4500		WATER HEATER COSTUME STORAGE
PLUG MOLD AUDIO 208		1000			1000	20	17 C 18	1	15	280		280	EXHAUST FAN 204
RECEP ORCHESTRA PIT		900			900	20	19 A 20	1	20	0			SPARE
RECEP ORCHESTRA PIT & WEST AUDITORIUM		1080			1080	20	21 B 22	1	20	0			SPARE
RECEP STAGE		1500			1500	20	23 C 24	1	20	1500		1500	RECEP STAGE
RECEP TELEPHONE		1080			1080	20	25 A 26	1	20	900		900	RECEP STAGE
TIMECLOCK		1100			1100	20	27 B 28	1	20	1000		1000	RECEP STAGE
TIMECLOCK		725			725	20	29 C 30	1	20	500	500		FIRE ALARM PANEL
FURNACE			1440		1440	20	31 A 32	1	30	0			SPARE
[N] STAGE WORK LIGHTS		400			400	20	33 B 34	1	100	6000		6000	CAMLOCK ON STAGE
[N] STAGE WORK LIGHTS		400			400	20	35 C 36	1	100	6000		6000	CAMLOCK ON STAGE
[N] STAGE AV RACK		1000			1000	20	37 A 38	3	1	6000		6000	CAMLOCK ON STAGE
[N] STAGE AV RACK		1000			1000	20	39 B 40	1	20	0		0	[N] SPARE
[N] STAGE AV RACK		1000			1000	20	41 C 42	1	20	0		0	[N] SPARE

DESCRIPTION	LTG (VA)	RECEP (VA)	MOTOR (VA)	OTHER (VA)	TOTAL (VA)	BRKR (AMP)	CIRCUIT (PHASE)	BRKR (AMP)	TOTAL (VA)	OTHER (VA)	MOTOR/RECEP (VA)	LTG (VA)	DESCRIPTION
[N] RECEP BOOTH SOUND SYSTEM		1800			1800	20	01 A 02	1	20	1000			1000 LIGHTS AISLE CATWALK WEST
[N] RECEP BOOTH SOUND SYSTEM		1800			1800	20	03 B 04	1	20	1000			1000 LIGHTS AISLE CATWALK EAST
[N] HOUSE LX PANEL		0	20	1	20	1	05 C 06	1	20	875			875 LIGHTS RM 300 & STAIRWELL
[N] HOUSE LX PANEL		0	30	1	30	1	07 A 08	1	20	1000	1000		HEAT MENS RM
[N] HOUSE LX PANEL		0	20	1	20	1	09 B 10	2	-	1000	1000		HEAT MENS RM
HEATER RM 102				1000	1000	20	11 C 12	2	-	1000	1000		HEAT WOMENS RM
HEATER RM 102				1000	1000	20	13 A 14	2	-	1000	1000		HEAT WOMENS RM
HEATER TICKET BOOTH				1000	1000	20	15 B 16	2	-	60	0		SPARE
HEATER TICKET BOOTH				1000	1000	20	17 C 18	2	-	0			SPARE
LIGHTS RM 102,104,106 RESTROOMS		1500			1500	20	19 A 20	1	20	1000		1000	RECEP LIGHTS JANITOR
LIGHTS RM 103, TICKET BOOTH		1200			1200	20	21 B 22	1	20	720		720	RECEP RM 102,103
RECEP S WALL RM 300			360		360	20	23 C 24	1	20	180		180	RECEP EAST WALL AUDITORIUM
RECEP SOUTH WALL RM 300			360		360	20	25 A 26	1	20	540		540	RECEP N WALL RM 300 & ROOF
RECEP SOUTH WALL RM 300			180		180	20	27 B 28	1	20	0		0	DOOR OPERATORS
[N] PROJECTOR RECEPTACLE		0			0	-	29 C 30	1	40	17000		17000	WATERHEATER ABOVE RR (CIRCUIT 1)
[N] UPS RECEPTACLE		0			0	-	31 A 32	2	-	17000		17000	WATERHEATER ABOVE RR (CIRCUIT 1)
[N] EMERGENCY LGTS XFER SWITCH		0			0	20	33 B 34	1	40	17000		17000	WATERHEATER ABOVE RR (CIRCUIT 2)
SPARE		0			0	20	35 C 36	2	-	17000		17000	WATERHEATER ABOVE RR (CIRCUIT 2)
SPACE		0			0	-	37 A 38	1	-	0		0	SPACE
SPACE		0			0	-	39 B 40	1	-	0		0	SPACE
SPACE		0			0	-	41 C 42	1	-	0		0	SPACE

KEY	
	A
MDP	B

SCHENDT SCORPORATION CONSULTING ENGINEERS
5100 CENTRAL AVENUE • SUITE 8100 • DENVER, CO 80231
PH: (719) 697-8850 • SEC@SCHENDT.COM

TRINIDAD STATE JUNIOR COLLEGE MASSARI THEATER

ISSUE FOR CONSTRUCTION 09/07/2021

DESIGNED BY: JMS
DRAWN BY: MES
CHECKED BY: JCP
DATE: 09/07/2021

NEW WORK ONE LINE DIAGRAM

E-601

DISCLAIMER: The drawings and designs set forth have been drafted under the supervision of qualified structural and electrical engineers. All calculations are the responsibility of Schendt Engineering Corp. The designer will gladly offer suggestions and consultation on all aspects, and will be willing to make adjustments on the basis of safety whenever those more qualified or liable make such requests.

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FOR DETAILS OF THE BASE BID AND WHICH ITEMS ARE ALTERNATES, SEE PROJECT MANUAL SECTION 26 55 61

ADD ALTERNATES:

1. ADD'L INTERIOR LIGHTING (SEE E-101 & E-102)
2. STAGE FLOOR RENOVATION (TS-106)
3. THEATRICAL LIGHTING SPARE EQUIPMENT
4. THEATRICAL AUDIO/VIDEO SPARE EQUIPMENT
5. WIRELESS MICROPHONE SYSTEM
6. MONITORING & PAGE SYSTEM
7. SCRIM CURTAIN
8. STOCK FABRIC

THEATRE SYSTEMS DRAWING PACKAGE

CONTENTS:

TS-001 COVER

[PART 1] CAD Drafting

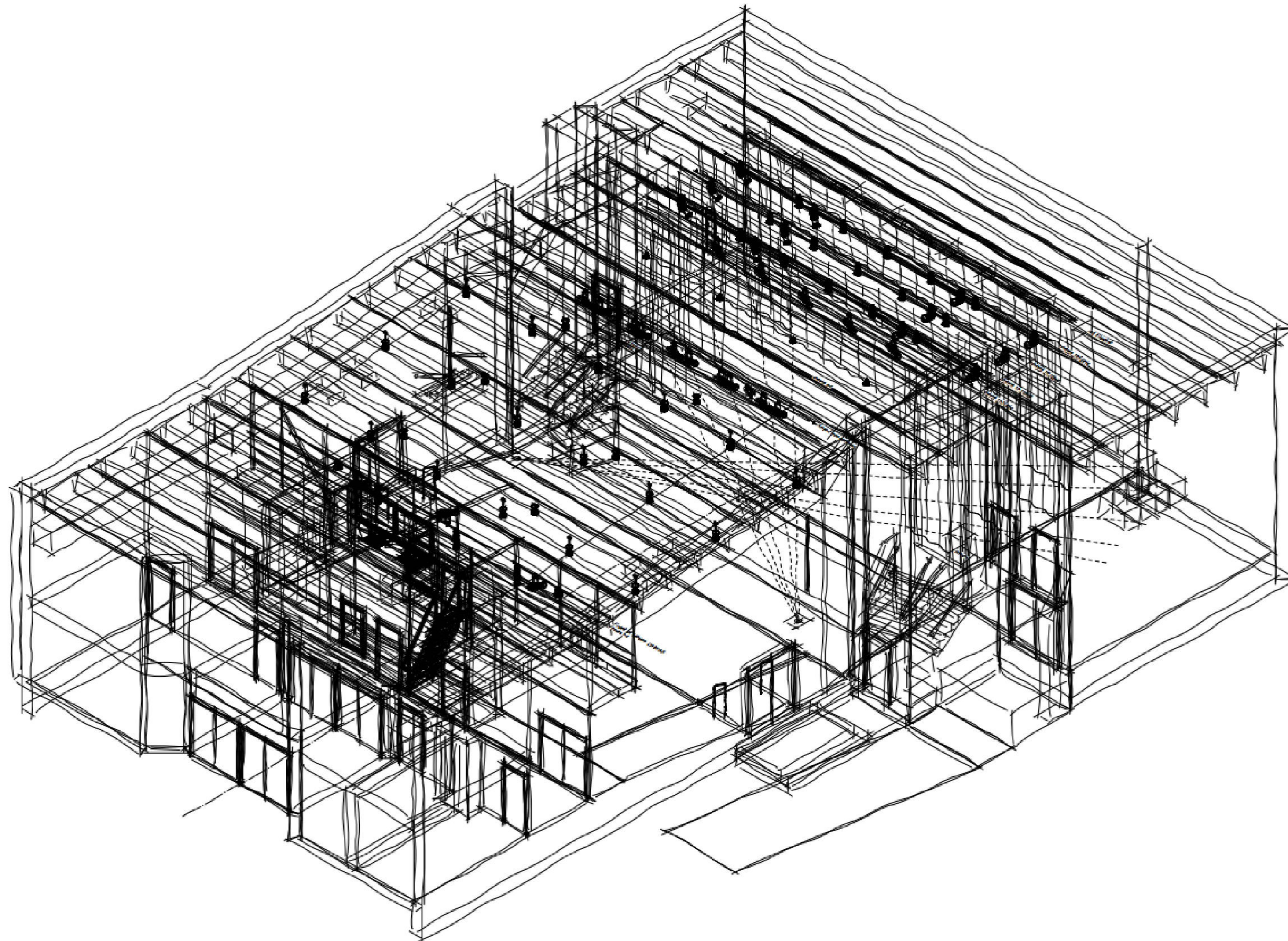
- TS-101 LIGHT PLOT
- TS-102 AV PLOT
- TS-103 RIGGING & SOFT GOODS
- TS-104 ALT VIEWS
- TS-105 DETAILS
- TS-106 STAGE DECK
- TS-107 HOUSE LIGHT PLOT

[PART 2] Signal Flow/Line Drawings

- TS-108 LIGHTING SYSTEM
- TS-109 AUDIO/VIDEO SYSTEM
- TS-110 NETWORK INFRASTRUCTURE
- TS-111 EQUIPMENT RACKS
- TS-112 STORAGE SOLUTIONS
- TS-113 HOUSE LIGHTING PANEL

REVISION TIMELINE:

No.	Description	Date:
1	PROPOSED LIGHTING PLOT	19.11.2020
2	ADDED SHTS 2-6	14.12.2020
3	REDES. LX SYSTEM UPD. 2-12	18.12.2020
4	CHANNEL UPDATES, NEW SHT-7	20.12.2020
5	NEW PAGE NUMBER SCHEME	21.12.2020
6	ADD ML, LW CHANGES, UPDATES	05.01.2021
7	ADD/ALTS, MINOR UPDATES	28.01.2021
8	Δ1 STATE REVIEW CHANGES	24.02.2021
9	FOR CONSTRUCTION	14.04.2021
10	RFI UPDATES	17.05.2021
11	VALUE ENGINEERING 1	04.06.2021
12	REMOVED STAGE RACK	08.06.2021
13	REVIEW EDITS/EMERGENCY LIGHTS	15.06.2021
14	TSJC REVIEW UPDATES	16.06.2021
15	RFI UPDATES	08.07.2021
16	Δ2 ADDENDUM 2	22.07.2021
17	FOR CONSTRUCTION	05.08.2021



Proj: MASSARI RENOVATION
 Org: TRINIDAD STATE JUNIOR COLLEGE
 Des: G. AUSTIN ALLEN

g.austinallen@me.com 720.570.6049

SCALE: NTS
 REVISION 17
 DATE: 07 SEPT 2021
 DRAWN: GAA

SHEET:
TS-001

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5. WIRELESS MICROPHONE SYSTEM
6. MONITORING & PAGE SYSTEM
7. SCRIM CURTAIN
8. STOCK FABRIC

NOTES:

- 1) 2nd Electric, FOH Catwalk, HL/HR Booms shown out of place for clarity.
- 2) FOH (L&R), AP, 1st, 2nd, 3rd, 4th Electrics have permanent raceways installed above the instrument pipe. 4A has no permanent power.
- 3) All pipes are dead-hung.
- 4) Add'l pipe to be added for FOH Center position [TRDI].
- 5) Conventional fixtures are from existing stock (see spec).
- 6) REV17: Cut Elation Fuze Wash, sub Ovation FC-1 for ColorSource Cyc.

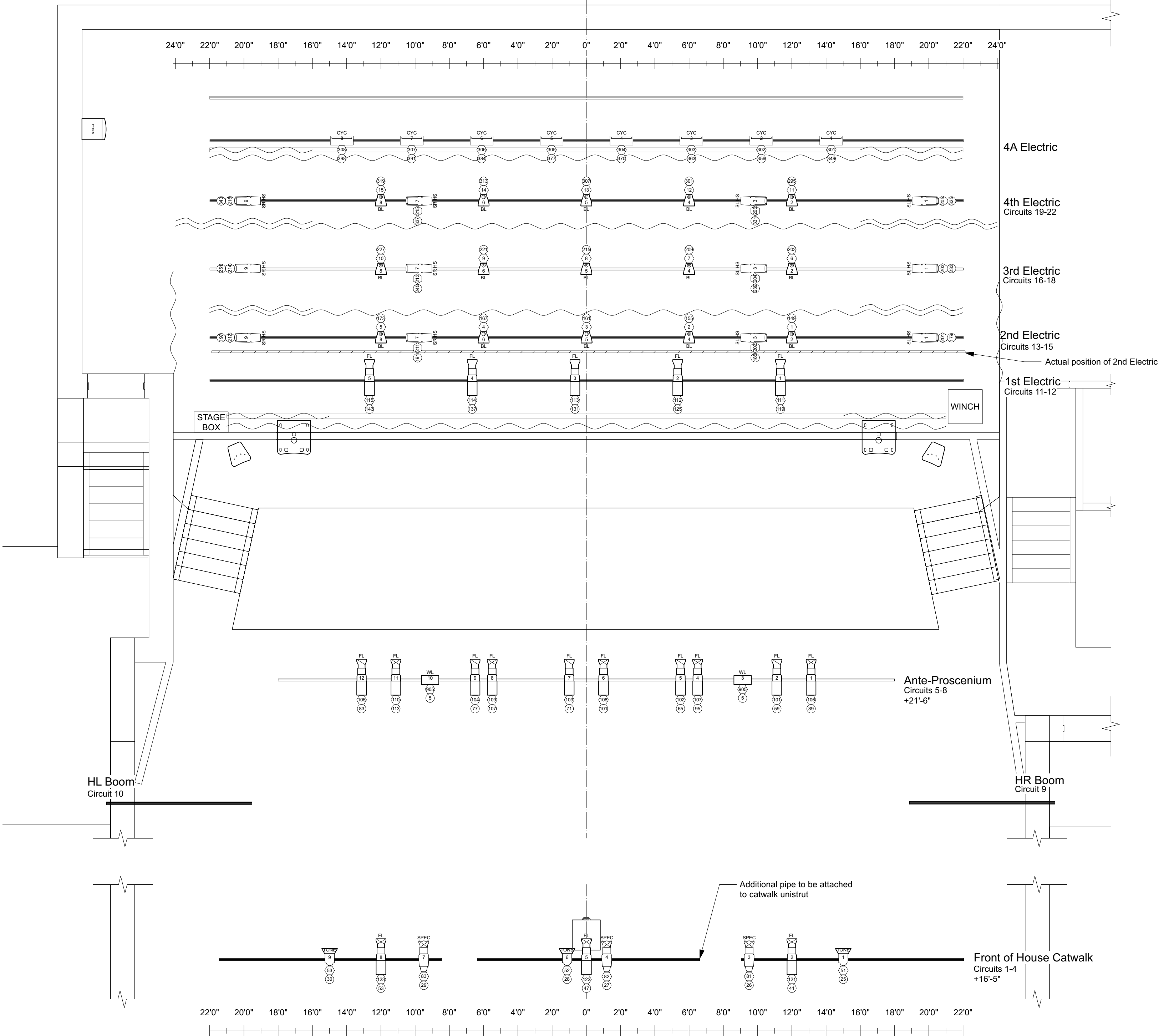
Symbol Key

Light	Quantity
Altman 6in Fres @ 500w 11.5 lbs	3
ETC ColorSource PAR Round @ 90w 8.3 lbs	15
ETC ColorSource Spot Jr @ 166w 12 lbs	12
ETC ColorSource Spot 19deg @ 160w 17 lbs	8
ETC ColorSource Spot 26deg @ 160w 17 lbs	5
ETC ColorSource Spot 36deg @ 160w 17 lbs	5
ETC Source4 19deg @ 575w 14 lbs	3
Chauvet Ovation FC-1 @ 139w 9 LB	8
Elation Fuze Wash Z120 @ 157 w 22 lbs	0
Altman LED-Worklight @ 130 w 12 lb	2

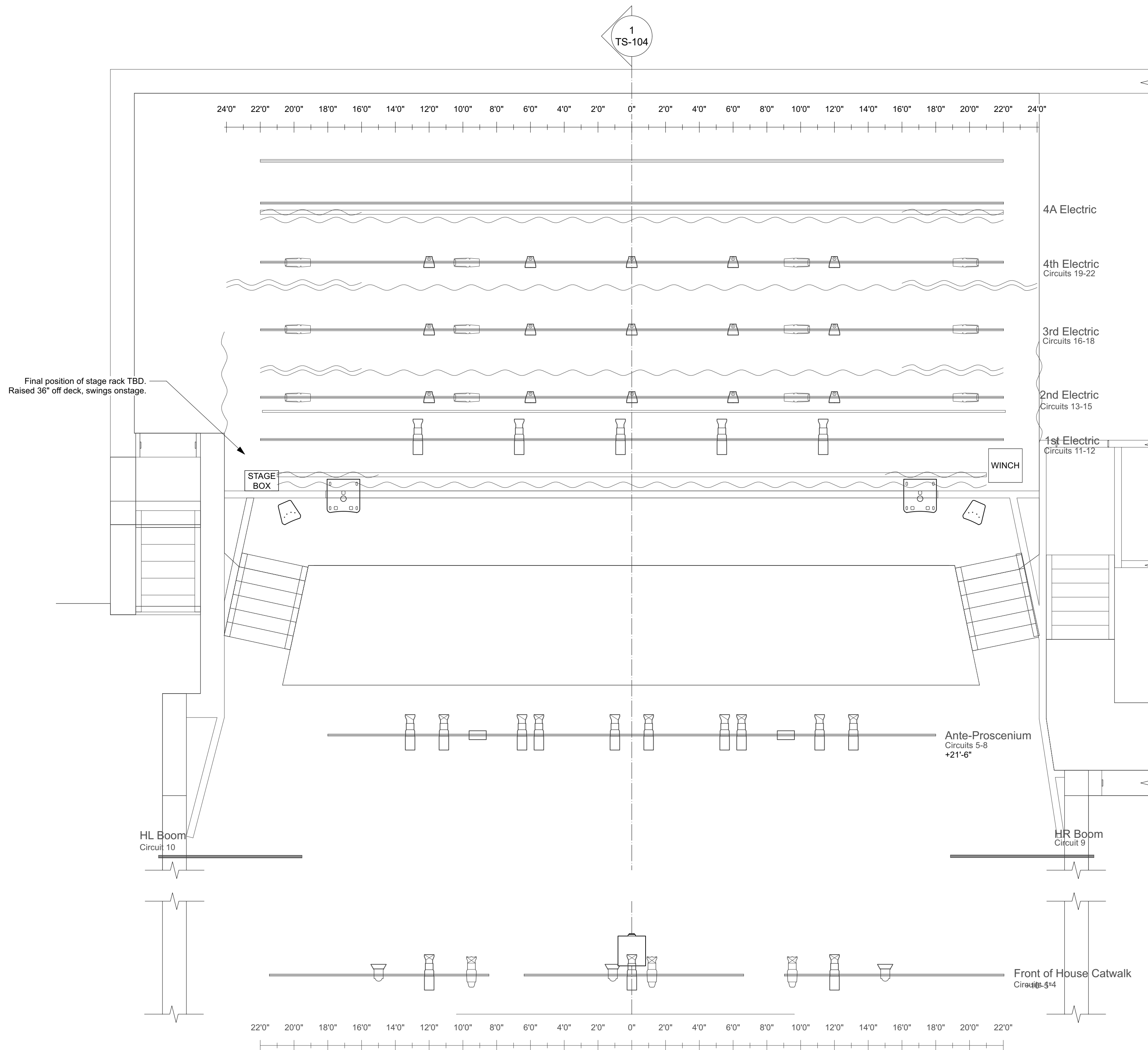
Typical

Line Number	Purpose
	Purpose
	Line Number
	Channel
	Address
	Dimmer

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Org: TRINIDAD STATE JUNIOR COLLEGE
Des: G. AUSTIN ALLEN
g.austinallen@me.com 720.570.6049



1
TS-104



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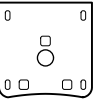


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 2. STAGE FLOOR RENOVATION (TS-106)
 3. THEATRICAL LIGHTING SPARE EQUIPMENT
 4. THEATRICAL AUDIO/VIDEO SPARE EQUIPMENT
 5. WIRELESS MICROPHONE SYSTEM
 6. MONITORING & PAGE SYSTEM
 7. SCRIM CURTAIN
 8. STOCK FABRIC

- NOTES:
- 1) Left & right mains speakers shall be mounted securely on the proscenium arch in a manner that allows minute focusing.
 - 2) Subwoofers shall be placed on the deck just inside the proscenium archway.
 - 3) FOH Catwalk, 2nd Electric, HL/HR Booms shown out of place for clarity.
 - 4) Projector shall be mounted on wall mount type fixture (Chief WMA2S), secured to catwalk strut.
 - 5) Projector is provided by TSJC.

Symbol Key

	QSC E118SW Subwoofer	2
	QSC E112 Main Speaker	2
	Panasonic PT-RZ120 Projector	1

Austin Allen
 Proj: MASSARI RENOVATION
 Org: TRINIDAD STATE JUNIOR COLLEGE
 Des: G. AUSTIN ALLEN
 g.austinallen@me.com 720.570.6049

SCALE: 1/4" = 1'-0"
 REVISION 17
 DATE: 07 SEPT 2021
 DRAWN: GAA

SHEET:
TS-102

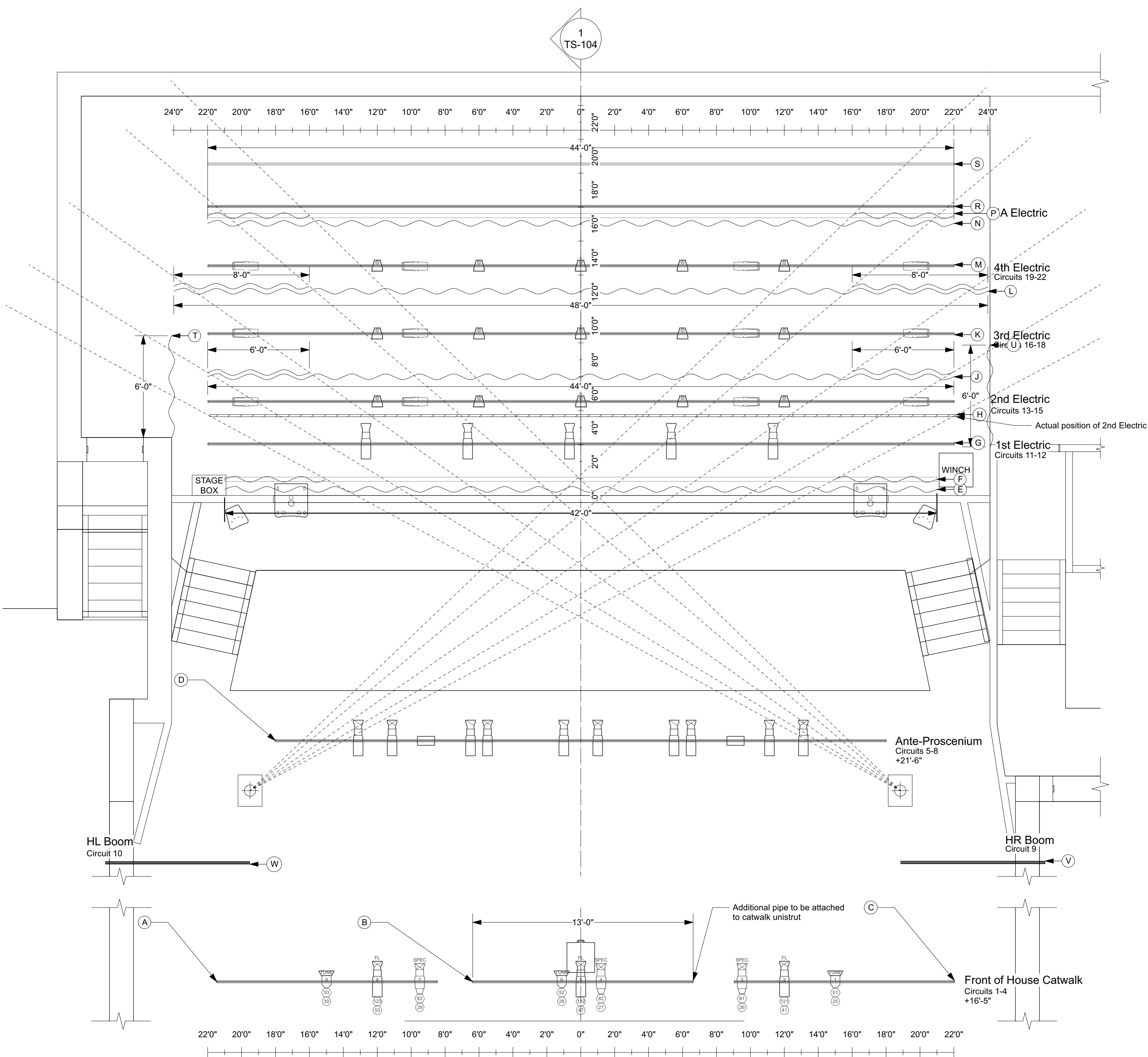
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 7. SCRIM CURTAIN
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- NOTES:
- 1) 2nd Electric, FOH Catwalk, HL/HR Booms shown out of place for clarity.
 - 2) All pipes are dead-hung.
 - 3) All hardware and equipment necessary to execute a safe and secure system shall be provided by the TRDI.
 - 4) All over-stage pipes are shall be trimmed at 20'-0" off deck, except electrics with raceways, which shall remain at 19'3".
 - 5) Add'l pipe to be added for FOH Center position [TRDI].
 - 6) Traveling curtains shall overlap at center.
 - 7) Border & Legs sets (J & L) can each share their pipe.
 - 8) All curtains shall be Flame Resistant per NFPA 701, with test material and certificate provided. [Δ1]



Rigging Schedule

Weights shown are estimated and include any fixtures/cablings or soft goods. They do not account for support pipe, raceways, track.

FOH Catwalk:		
(A) House Left Pipe w/ raceway	55lbs	[EXISTING]
(B) Center Pipe	55lbs	[NEW]
(C) House Right Pipe w/ raceway	55lbs	[EXISTING]
Ante-Proscenium:		
(D) AP Pipe w/ raceway	230lbs	[EXISTING]
Stage:		
(E) Main Valance (Border)	50lbs	[NEW]
(F) Main Traveler on track	200lbs	[NEW]
(G) 1st Electric w/ raceway	140lbs	[EXISTING]
(H) 2nd Electric w/ raceway	120lbs	[EXISTING]
(J) Downstage Border & Legs	100lbs	[NEW]
(K) 3rd Electric w/ raceway	180lbs	[EXISTING]
(L) Midstage Border & Legs	100lbs	[NEW]
(M) 4th Electric w/ raceway	120lbs	[EXISTING]
(N) Upstage Border	40lbs	[NEW]
(P) Upstage Traveler on track	150lbs	[NEW]
(R) 4-Auxiliary Electric	170lbs	[EXISTING]
(S) Cyclorama	70lbs	[NEW]
(T) Stage Right Masking Tab	15lbs	[NEW]
(U) Stage Left Masking Tab	15lbs	[NEW]
House:		
(V) House Right Boom	0lbs	[EXISTING]
(W) House Left Boom	0lbs	[EXISTING]

Austin Allen
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 Org: TRINIDAD STATE JUNIOR COLLEGE
 Des: G. AUSTIN ALLEN
 g.austinallen@me.com 720.570.6049

SCALE: 1/4" = 1'-0"
 REVISION 17
 DATE: 07 SEPT 2021
 DRAWN: GAA

SHEET:
TS-103

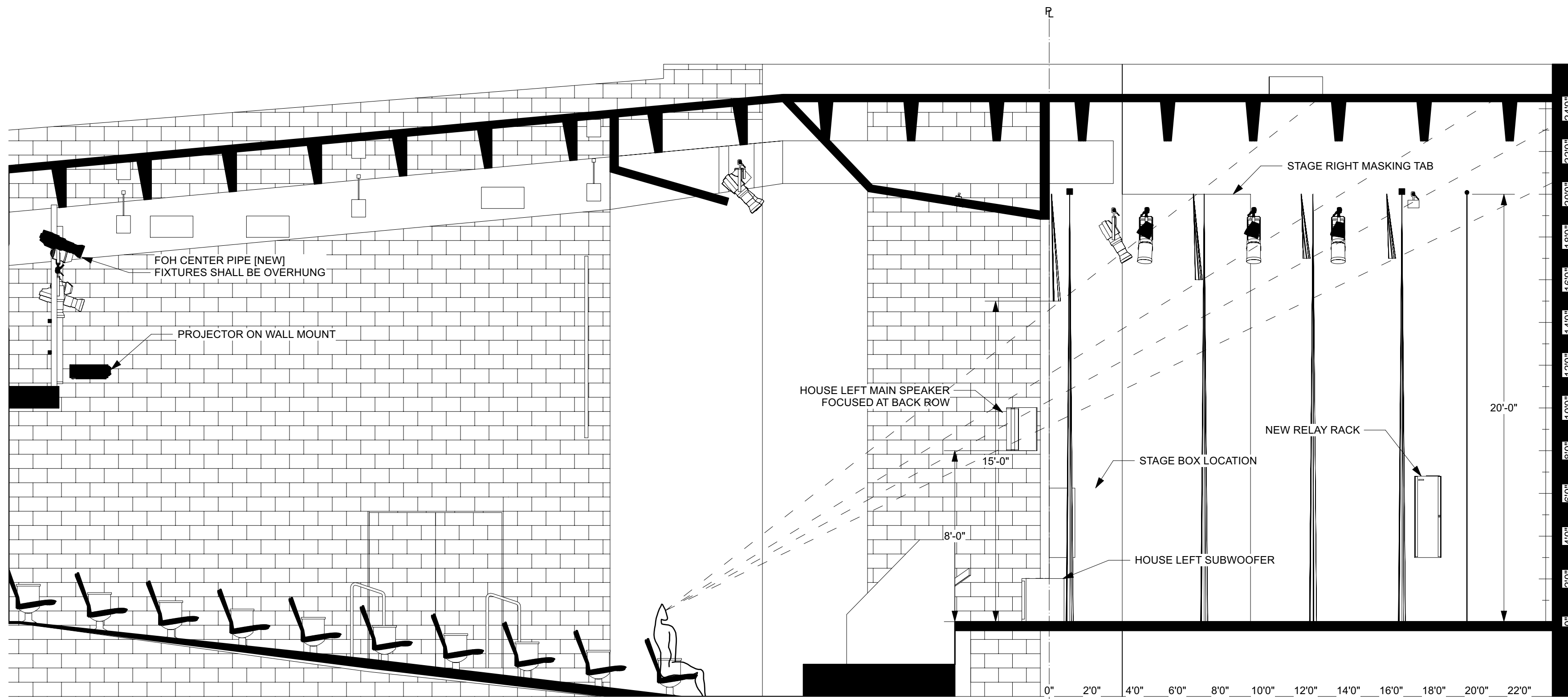
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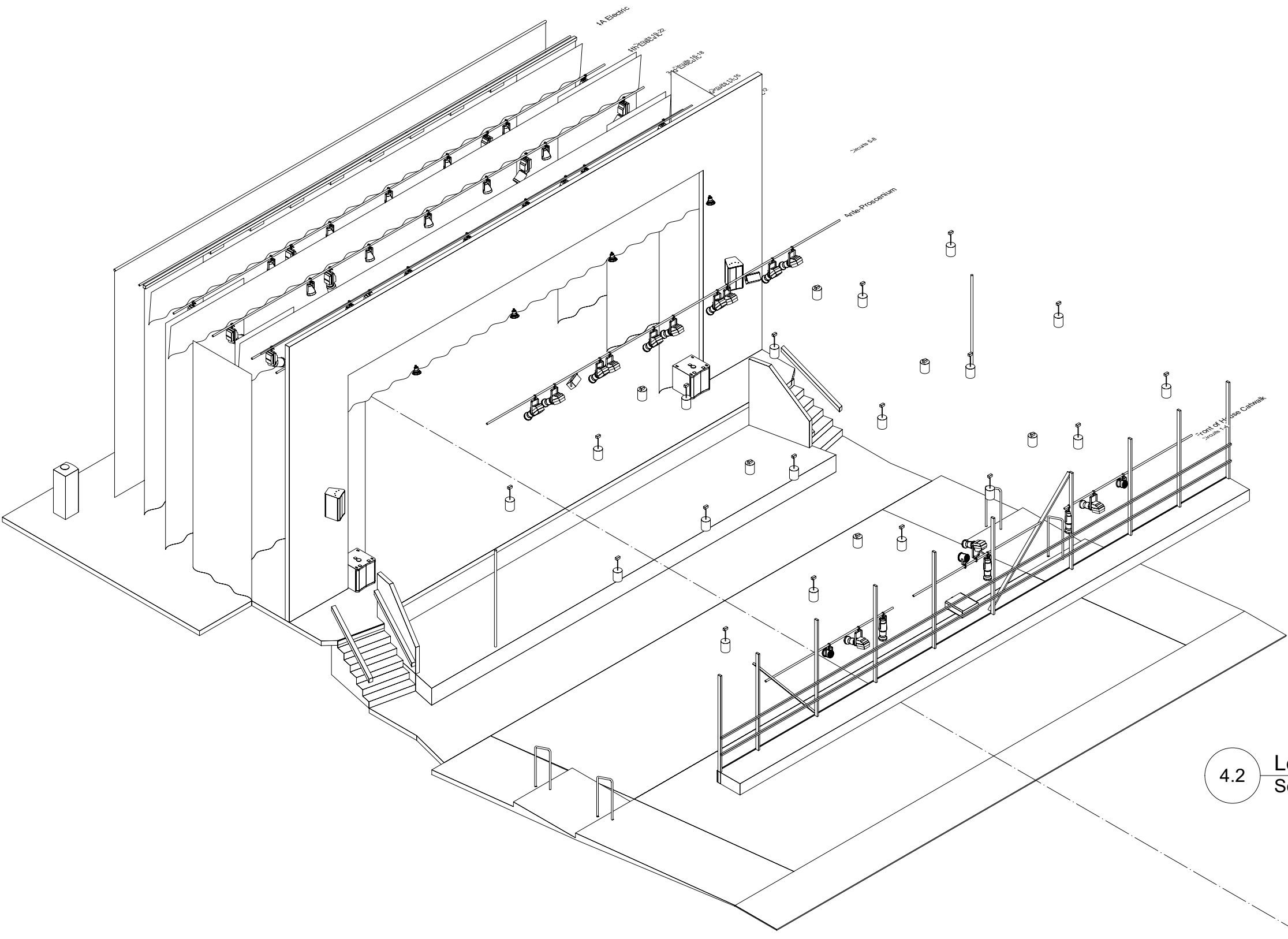
FOR DETAILS OF THE BASE BID AND WHICH ITEMS ARE ALTERNATES, SEE PROJECT MANUAL SECTION 26 55 91

- ADD ALTERNATES:
1. ADD'L INTERIOR LIGHTING (SEE E-101 & E-102)
 2. STAGE FLOOR RENOVATION (TS-106)
 3. THEATRICAL LIGHTING SPARE EQUIPMENT
 4. THEATRICAL AUDIO/VIDEO SPARE EQUIPMENT
 5. WIRELESS MICROPHONE SYSTEM
 6. MONITORING & PAGE SYSTEM
 7. SCRIM CURTAIN
 8. STOCK FABRIC

- NOTES:
- 1) 2nd Electric shown in true location.
 - 2) All pipes are dead-hung.
 - 4) All over-stage pipes shall be trimmed at 20'-0" off deck.
 - 5) Additional pipe to be added for FOH Center position [Rigging Scope].
 - 6) All curtains shall be rigged from appropriately sized and rated pipes and tracks.
 - 7) Lights on FOH Center pipe shall be overhung.



4.1 Center Line Section
Scale: 1/4" = 1'-0"

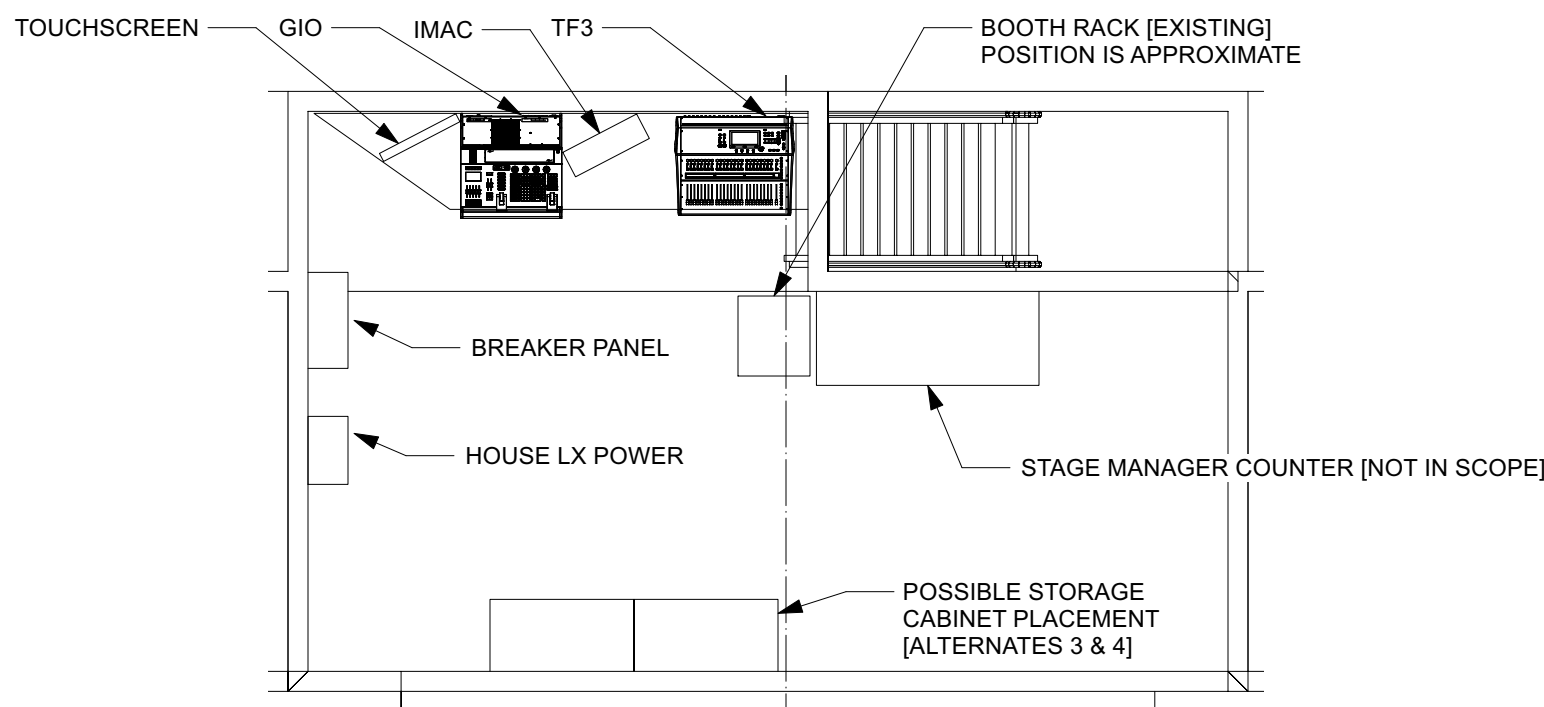


4.2 Left Isometric
Scale: 1/8" = 1'-0"

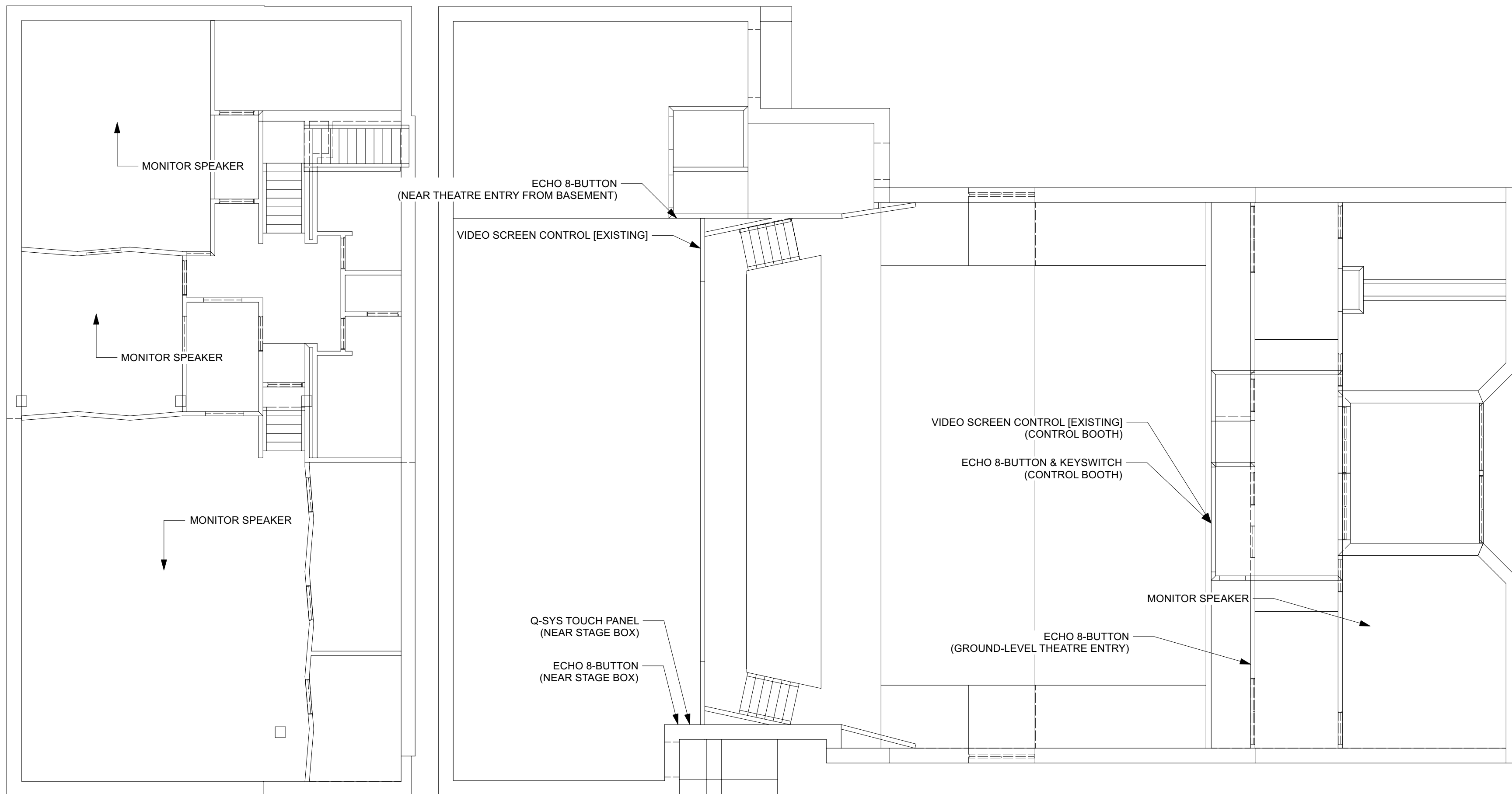
Austin Allen
 Proj: MASSARI RENOVATION
 Org: TRINIDAD STATE JUNIOR COLLEGE
 Des: G. AUSTIN ALLEN
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SCALE: MULTIPLE
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5.1 DETAIL: BOOTH PLAN
Scale: 1/4" = 1'-0"



5.2 CONTROL PANELS & MONITORING SPEAKERS
SCALE: 1/8" = 1'-0"

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 6. MONITORING & PAGE SYSTEM
 7. SCRIM CURTAIN
 8. STOCK FABRIC

- NOTES:
- 1) Monitor speakers may use location, wire, and conduit currently marked as "INTERCOM" where available. Arrows indicate rooms where speakers shall be located, final position is TBD. [ALL MONITORING SYSTEM IS ALTERNATE #6.]
 - 2) iMac, TF3, Gio, Touchscreen are all provided by TSJC.

ADD'L DETAIL DRAWINGS AVAILABLE UPON REQUEST



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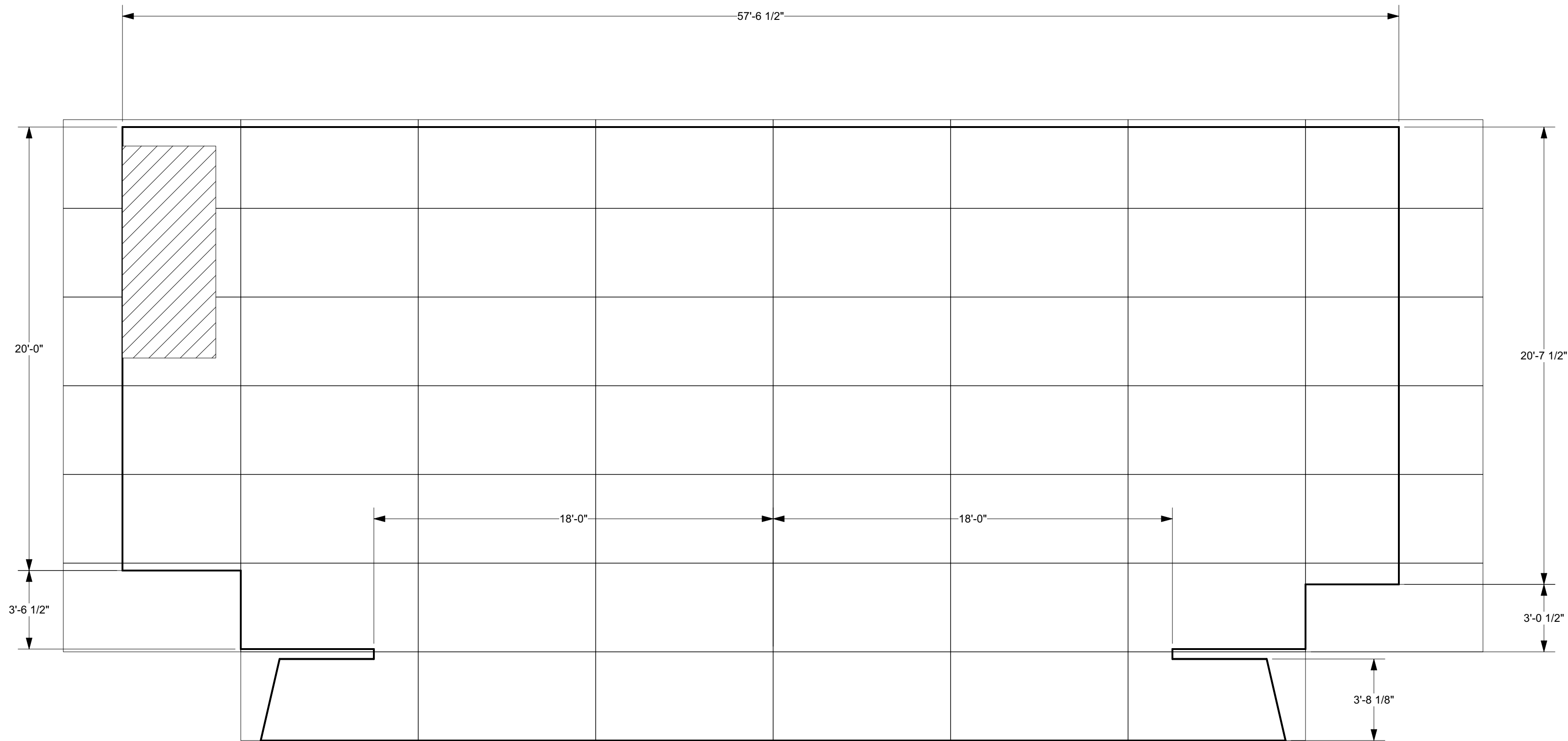
ADD ALTERNATES:

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3. THEATRICAL LIGHTING SPARE EQUIPMENT
4. THEATRICAL AUDIO/VIDEO SPARE EQUIPMENT
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7. SCRIM CURTAIN
8. STOCK FABRIC

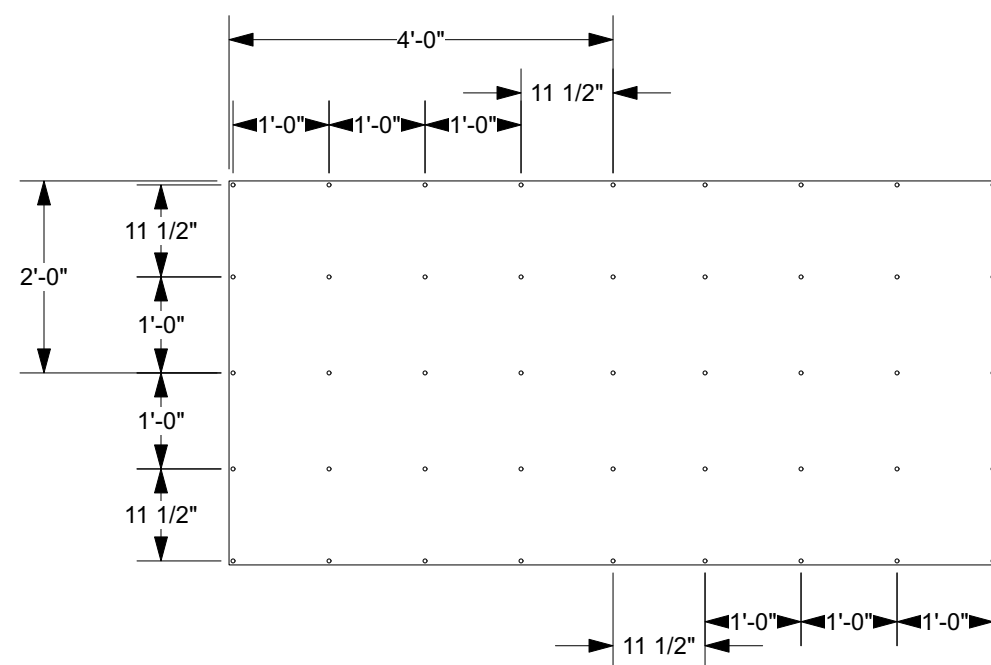
NOTES:

- 1) Existing stage floor should be sanded down only where required to eliminate large bumps.
- 2) New floor should consist of 1 layer of 3/16"-thick Masonite-type particle board.
- 3) Boards should run stage left to stage right.
- 4) Board seam should run along Center Line (measured in proscenium opening).
- 5) All measurements and cuts should be made onsite to ensure total accuracy. Provided drawing and measurements are not precise.
- 6) Screws should be installed in patterns as shown in detail.
- 7) Screws should be countersunk so that the head is flush with the stage.
- 8) Once installed, and after most work is completed, floor should be painted with Rosco 5352 paint in at least 2 coats.
- 9) Once paint has properly cured, 2 coats of Rosco 5580 glaze should be applied and allowed to fully cure.
- 10) Hatched area to be painted red instead of black and marked "DO NOT BLOCK." Exact area to be determined once electrical infrastructure install is complete.

Approx. board quantity: 56



6.1 DETAIL: BOARD LAYOUT
Scale: 1/4" = 1'-0"



6.2 DETAIL: SCREW PATTERN
Scale: 1/2" = 1'-0"



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g.austinallen@me.com 720.570.6049

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SHEET:
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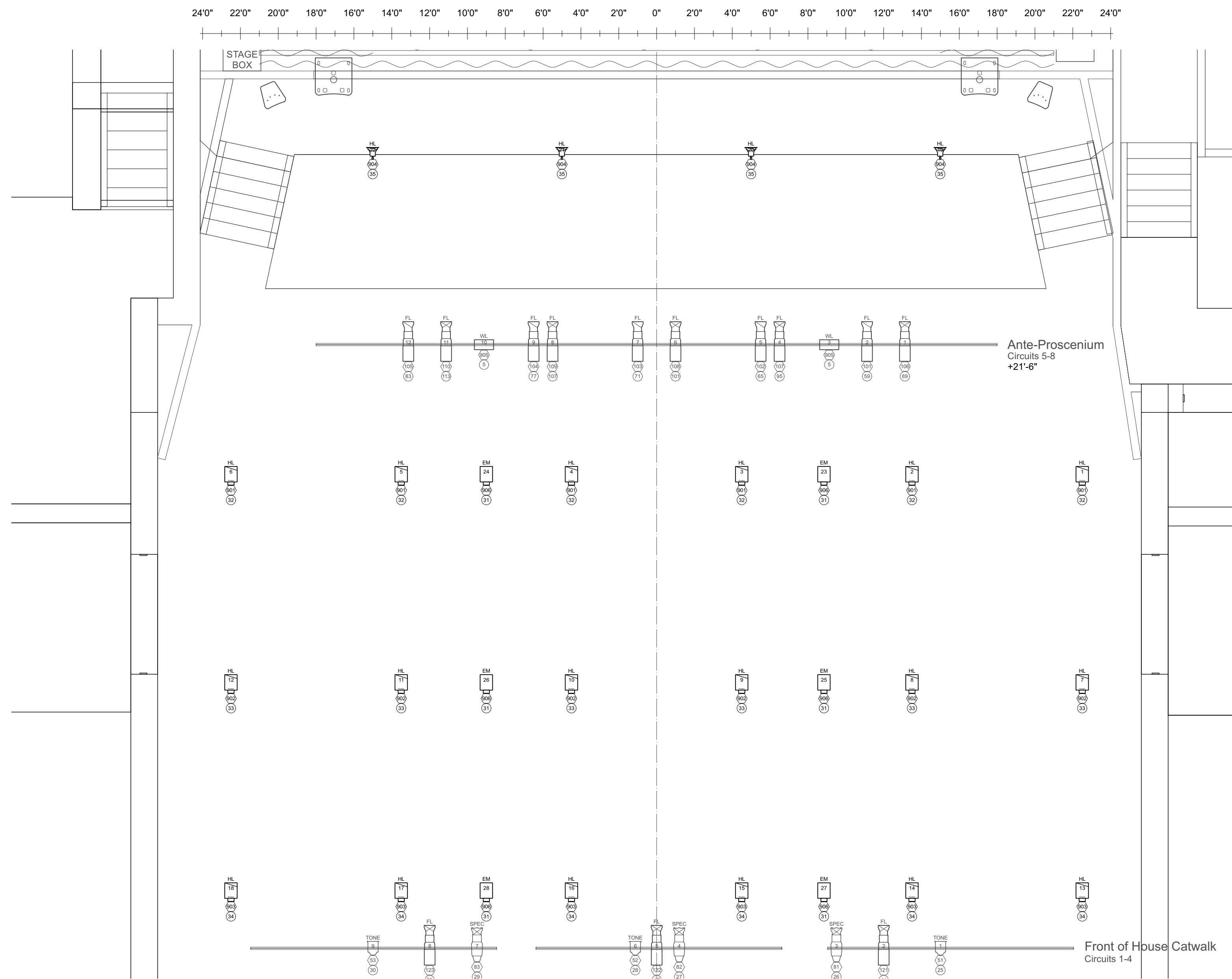
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


FOR DETAILS OF THE BASE BID AND WHICH ITEMS ARE ALTERNATES, SEE PROJECT MANUAL SECTION 26 55 61

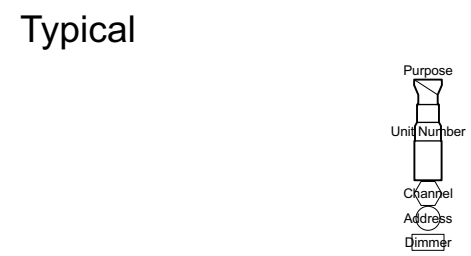

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 6. MONITORING & PAGE SYSTEM
 7. SCRIM CURTAIN
 8. STOCK FABRIC

- NOTES:
- 1) All House Lights are on ETC Foundry Dimmers or Relays.
 - 2) For specifications on retrofit units, see project manual.
 - 3) Δ2: CORRECTED FIXTURE WATTAGE BELOW



Symbol Key

Light		
	PENDANT LED RETROFIT @ 49w 12.5 lb	18
	RECESSED LED RETROFIT @ 17.5w 3.08 lb	4
	LTC-3RDW @ 25w 10lbs	6

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SCALE: 1/4" = 1'-0"
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TS-107

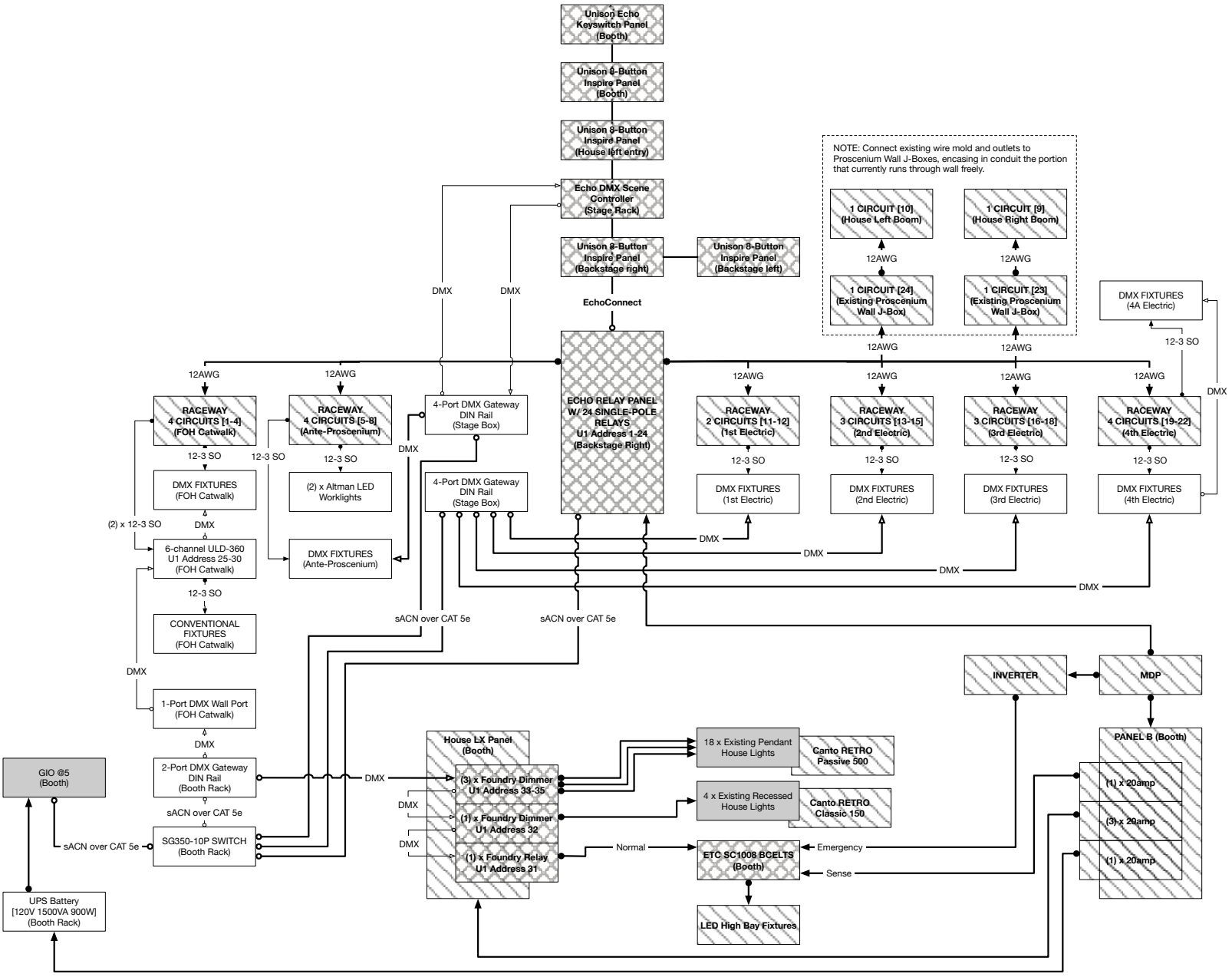
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ALL THEATRICAL LIGHTING, A/V, RIGGING & DRAPERY SYSTEMS ARE BASE BID.

ADD ALTERNATES:

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 4. THEATRICAL AUDIO/VIDEO SPARE EQUIPMENT*
- *SEE SPEC SECTION 28 55 61

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KEY

- Wireless -----
- Data/Signal Cable ○
- Power Cable →
- Exposed Cable (incl. inside Rack) —
- Permanent Install (not necessarily in conduit) —

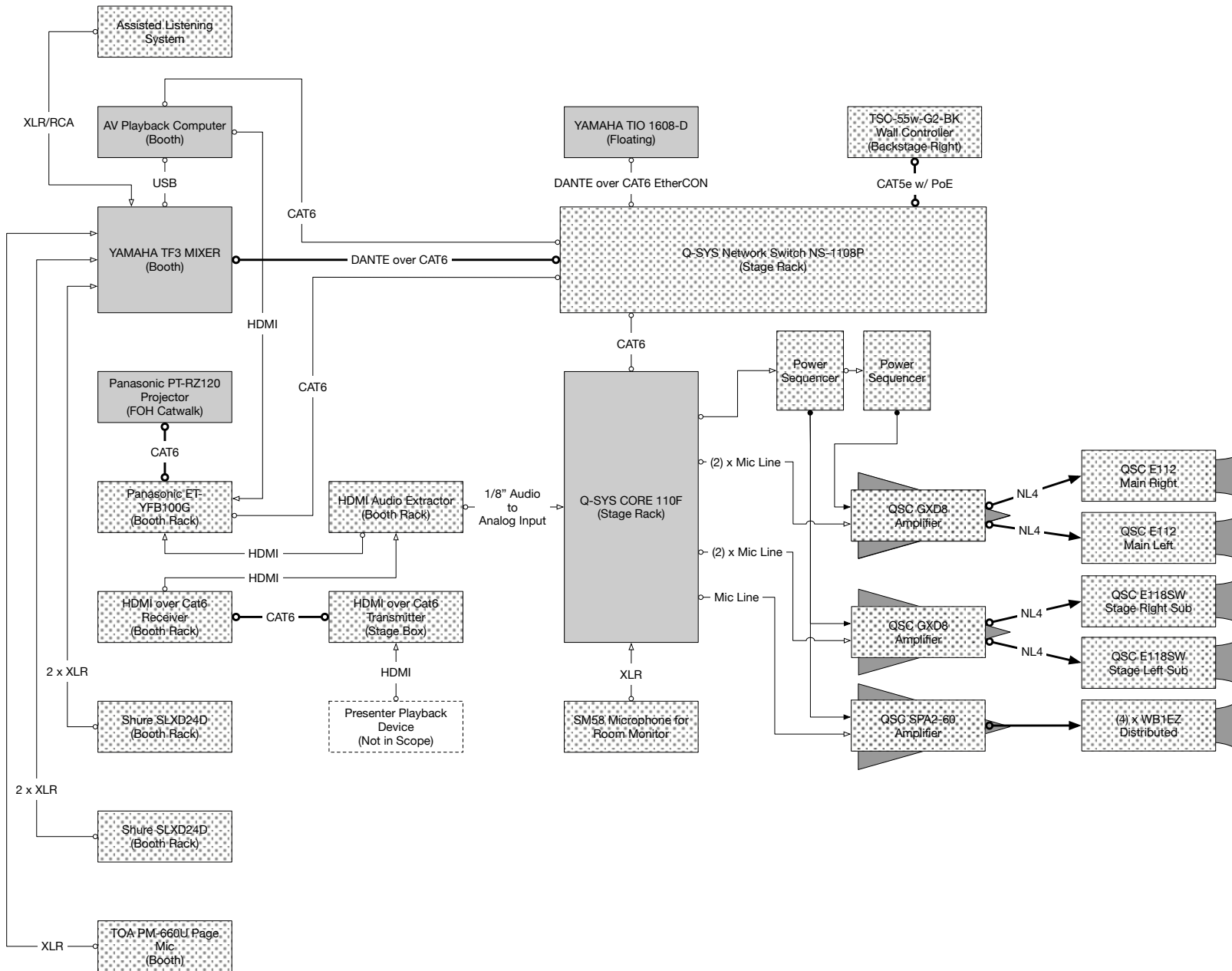
TSJC Provided (Perkins)
Lighting Integrator
A/V Integrator
General Contractor
GC Installed, LI Furnished

Austin Allen
 g.austinallen@me.com
 720.570.6049

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MASSARI AUDIO/VIDEO SYSTEM



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A/V Integrator
General Contractor
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 g.austinallen@me.com
 720.570.6049

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 Des: G. AUSTIN ALLEN

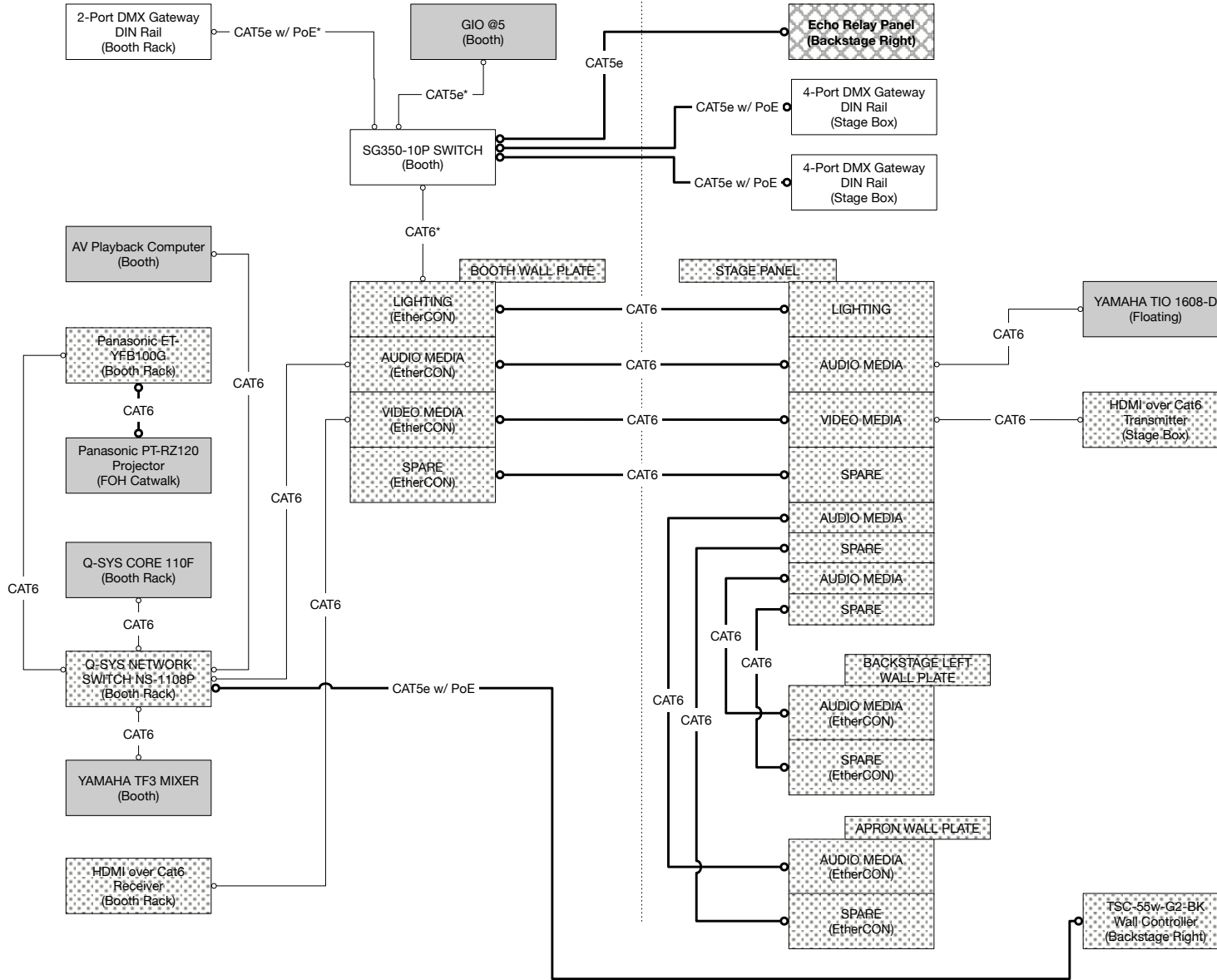
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MASSARI THEATRE SYSTEMS DESIGN - DRAWING PACKAGE - TS-109

MASSARI NETWORK INFRASTRUCTURE

FRONT OF HOUSE

STAGE/BACKSTAGE



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● Power Cable ●

Exposed Cable (incl. inside Rack)

Permanent Install (not necessarily in conduit)

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AV Integrator
General Contractor
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*Note: TAVI is responsible for all network cable except where indicated by an asterisk. These cables are the scope of the TLI.

Austin Allen
 g.austinallen@me.com
 720.570.6049

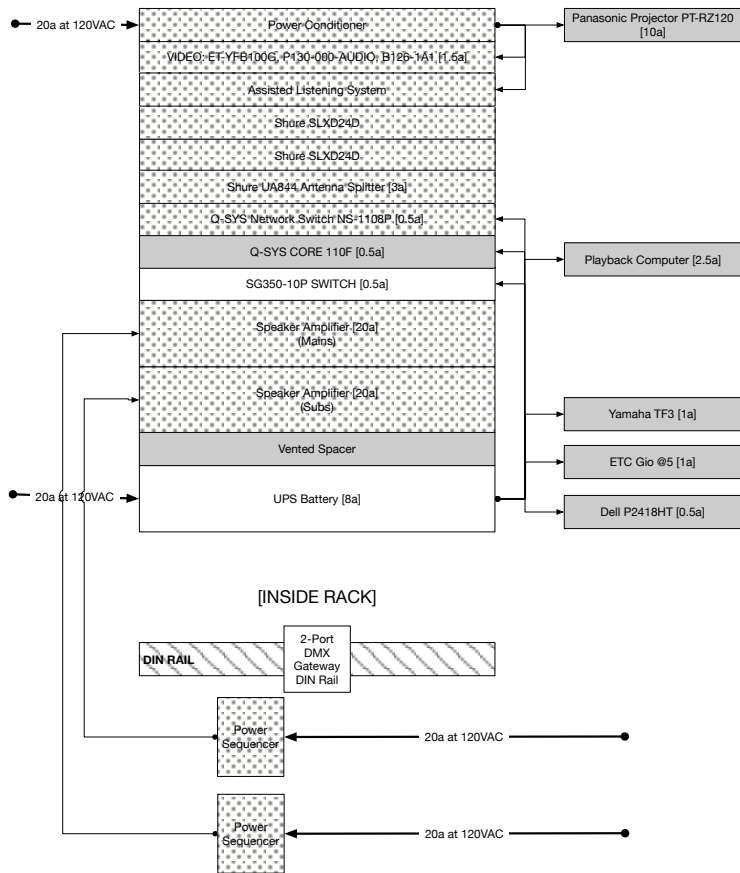
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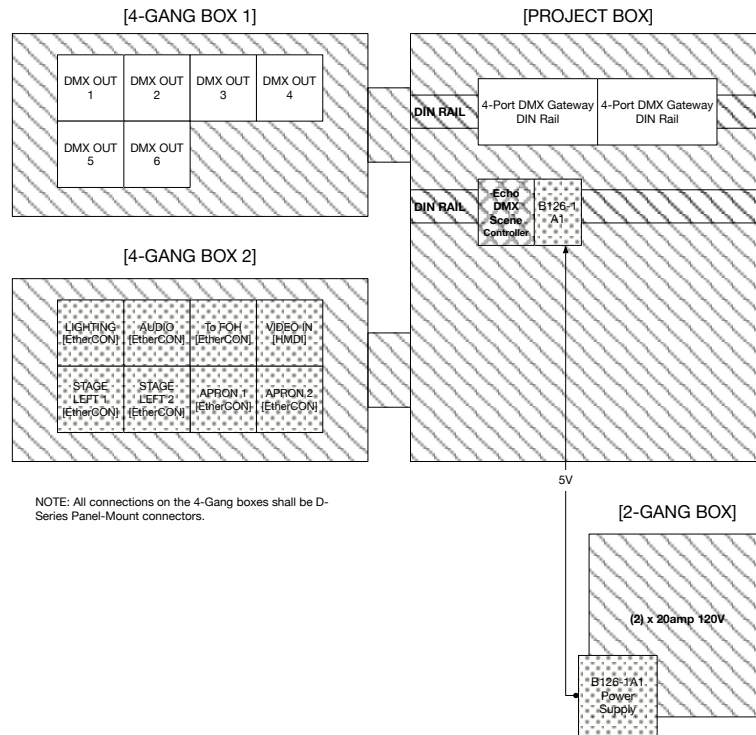
MASSARI THEATRE SYSTEMS DESIGN - DRAWING PACKAGE - TS-110

MASSARI EQUIPMENT RACKS

BOOTH RACK



STAGE BOX



NOTE: All connections on the 4-Gang boxes shall be D-Series Panel-Mount connectors.

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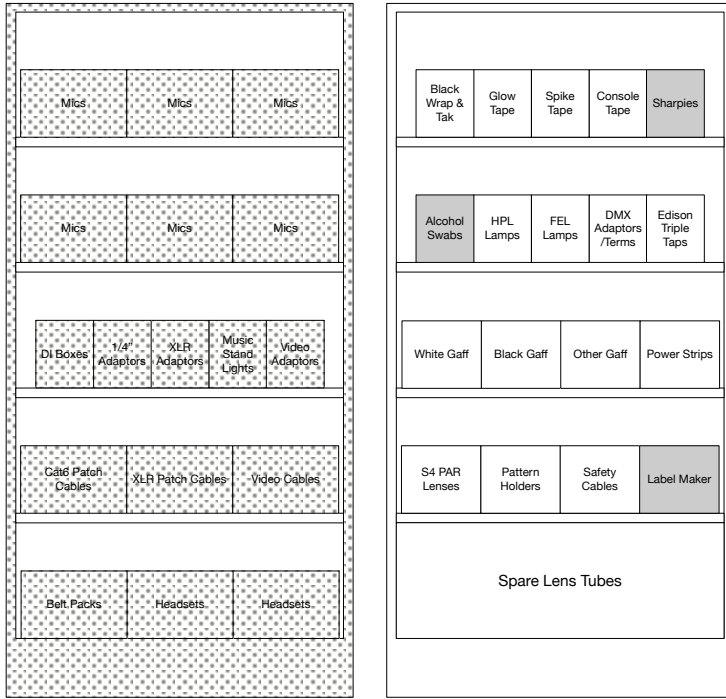
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 g.austinallen@me.com
 720.570.6049

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MASSARI STORAGE SOLUTIONS

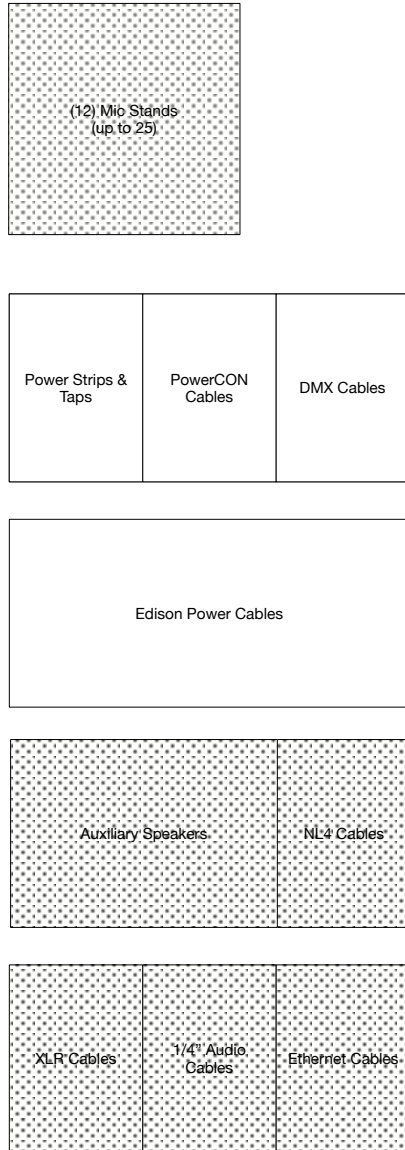
METAL STORAGE CABINETS



LOCATION TBD

ALL BINS PROVIDED BY INTEGRATORS. "TSJC PROVIDED" REFERS TO CONTENTS OF BIN.

ROAD CASES



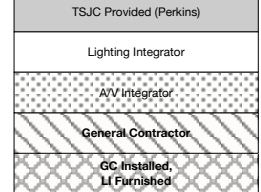
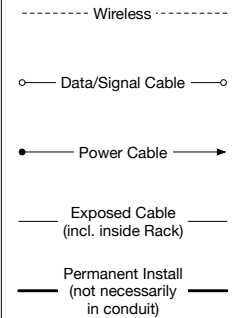
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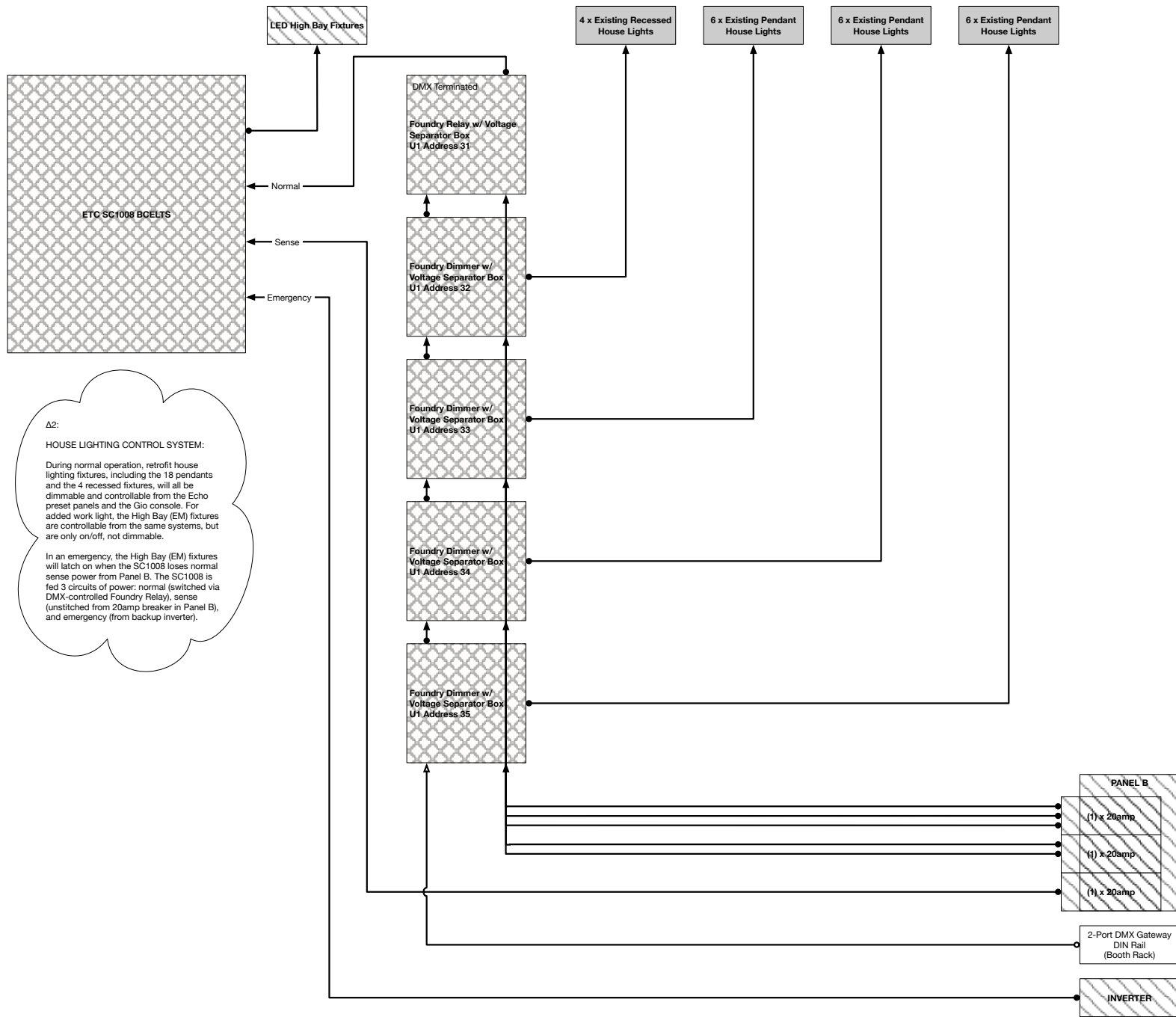


Austin Allen
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 720.570.6049

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MASSARI HOUSE LIGHTING PANEL



Δ2:
HOUSE LIGHTING CONTROL SYSTEM:

During normal operation, retrofit house lighting fixtures, including the 18 pendants and the 4 recessed fixtures, will all be dimmable and controllable from the Echo preset panels and the Gio console. For added work light, the High Bay (EM) fixtures are controllable from the same systems, but are only on/off, not dimmable.

In an emergency, the High Bay (EM) fixtures will latch on when the SC1008 loses normal sense power from Panel B. The SC1008 is fed 3 circuits of power: normal (switched via DMX-controlled Foundry Relay), sense (unswitched from 20amp breaker in Panel B), and emergency (from backup inverter).

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TSJC Provided (Perkins)
Lighting Integrator
A/V Integrator
General Contractor
GC Installed, LI Furnished

NOTE: Foundry controllers mounted in ETC E4VBB, connected with two pieces 3/4" conduit each, one for 120VAC power from Panel B, one for low voltage (DMX) control wire from DMX Gateway in booth rack.

Austin Allen g.austinallen@me.com
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