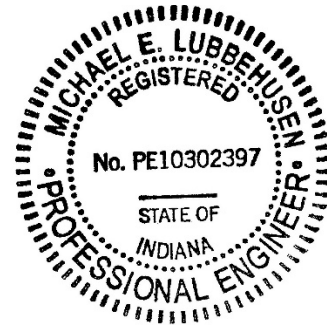




Primary Engineering, Inc.
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Fort Wayne, Indiana 46805
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Addendum: 3

Date: **3/3/2025**

Project: **2025 FWCS Auditoriums**

Comm #: **24658**

The following items shall be incorporated into the specifications and drawings and are considered to be integral to the bid documents for the project. Acknowledgement of receipt of this addendum is required on the bid form.

Item #1: Drawing Sheet NS-E101, ELECTRICAL DEMOLITION PLANS

- A. Revised noting for lighting controls. Refer to supplemental drawing NS-E101 for additional information.

Item #2: Drawing Sheet NS-E201, POWER AND LIGHTING PLANS

- A. Revised note #3 for relay panel installation. Refer to supplemental drawing NS-E201 for additional information.
- B. Revised note #9, Refer to supplemental drawing NS-E201 for additional information.
- C. Revised note #12, Refer to supplemental drawing NS-E201 for additional information.
- D. Added additional lighting notes #20 and #21. Refer to supplemental drawing NS-E201 for additional information.

Item #3: Drawing Sheet NS-E401, ELECTRICAL DETAILS

- A. Revised detail #4, added additional relay panel (HRP2) for house lighting. Refer to supplemental drawing NS-E401 for additional information.
- B. Replaced detail #9 with motorized truss detail. Refer to supplemental drawing NS-E401 for additional information.

Item #4: Drawing Sheet NS-E402, ELECTRICAL SCHEDULES

- A. Added New HRP2 House Relay schedule and updated panel schedule. Refer to supplemental drawing NS-E402 for additional information.
- B. Revised New Relay Panel Setup Detail. Refer to supplemental drawings. Refer to supplemental drawing NS-E402 for additional information.

DOMED CEILING CONTAINS ASBESTOS. NO CUTTING/PATCHING OR ANY OTHER WORK THAT MAY DISTURB CEILING IS ALLOWED. PROVIDE PLANKING AND PROTECTION WHEN WORKING ABOVE CEILING.

E.C. SHALL VERIFY ALL EXISTING CIRCUITS IN PANELS WHERE CHANGES ARE MADE. PROVIDE NEW, TYPED, UPDATED DIRECTORY.

E.C. SHALL REMOVE AND PROPERLY DISPOSE OF ALL LIGHTS, EQUIPMENT, ETC. BEING DEMOED THROUGHOUT THE PROJECT.

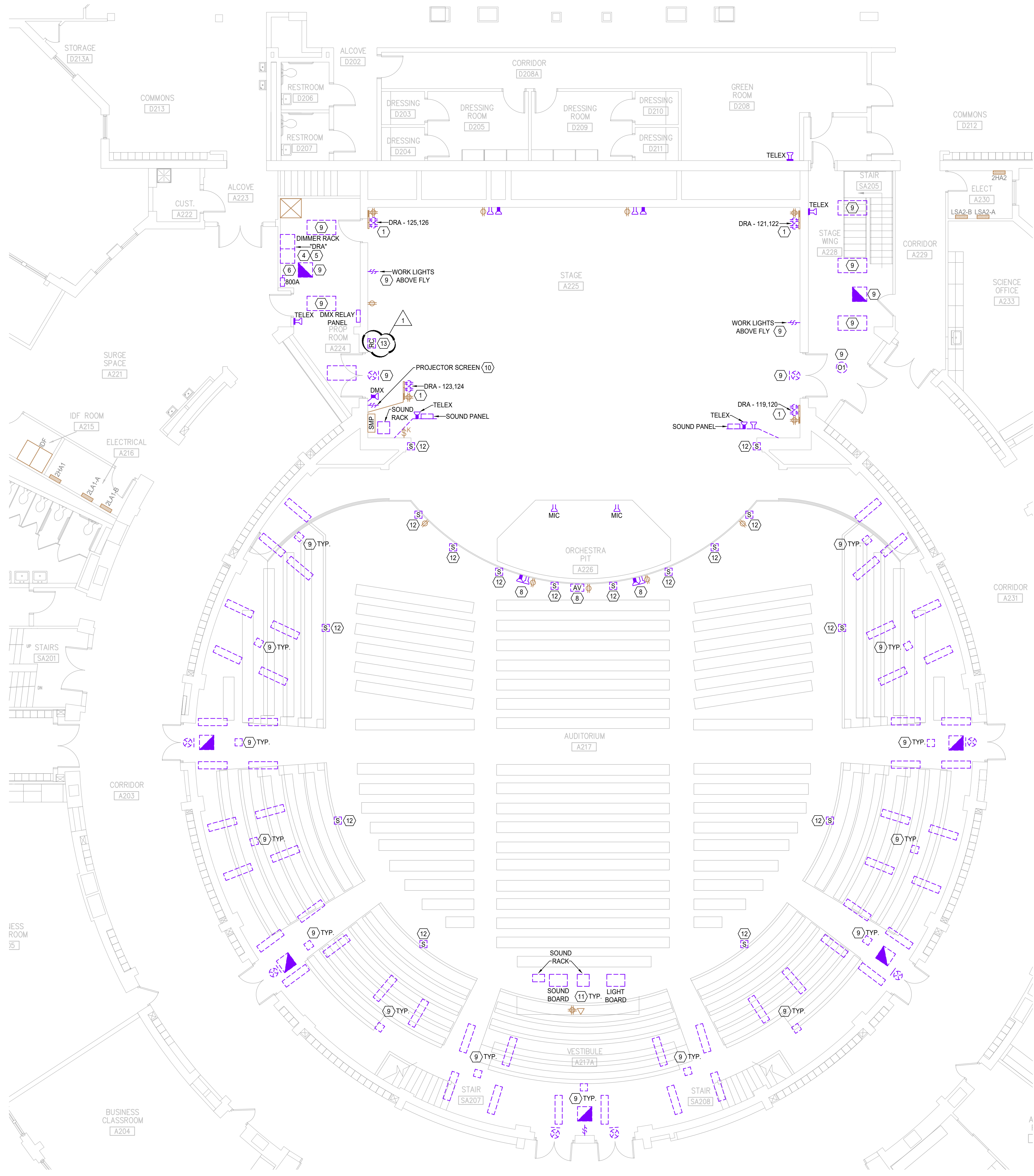
PROVIDE AND INSTALL TEMPORARY FLOOR PROTECTION DURING DEMOLITION AND CONSTRUCTION AS REQUIRED TO PROTECT EXISTING STAGE FLOOR FROM DAMAGE.

EXISTING PATHWAYS MAY BE REUSED IN LOCATIONS WHERE NEW DEVICES ARE TO BE INSTALLED IN SAME LOCATIONS AS DEMOED DEVICES.

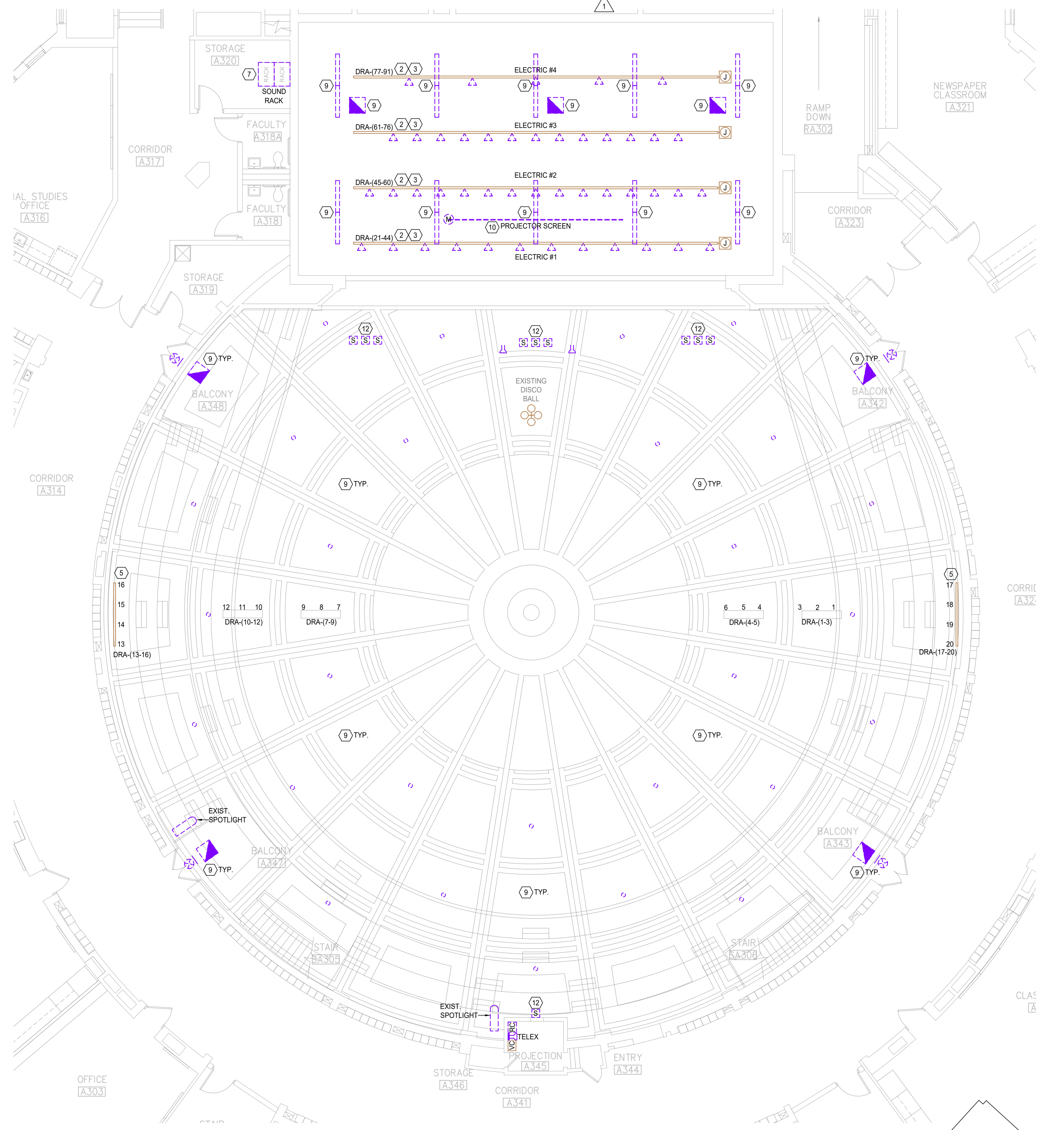
E.C. SHALL PAINT ALL ITEMS PUT WITHIN AUDITORIUM STAGE AREA FLAT BLACK.

DEMOLITION PLAN NOTES

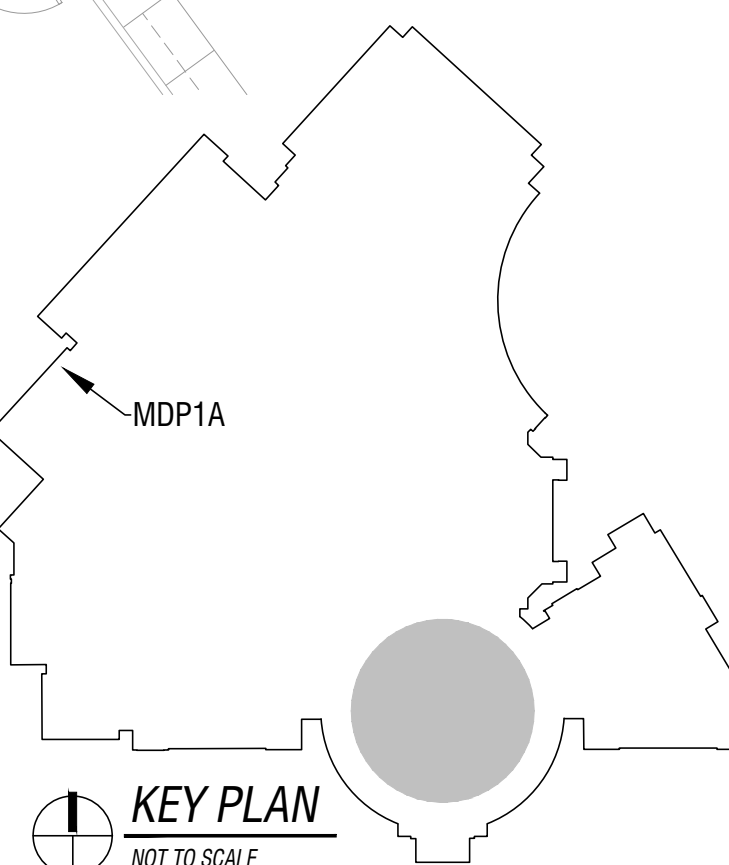
1. DISCONNECT AND REMOVE COVERPLATES AND RECEPTACLES. EXISTING BACKBOX AND CIRCUITING TO REMAIN FOR NEW NEMA 5-20R RECEPTACLES.
2. DISCONNECT AND REMOVE LIGHTS ON (ELECTRIC(S)). COORDINATE WITH OWNER IF ANY OF THESE LIGHTS ARE NEEDED BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL.
3. DISCONNECT AND REMOVE SO CORD(S) WITH RECEPTACLE ON ELECTRICS. EXISTING ELECTRICAL CONNECTOR STRIP(S) TO REMAIN. PREPARE FOR INSTALLATION OF NEW SO CORD(S).
4. REMOVE EXISTING DIMMER RACK AND PREPARE EXISTING CIRCUITS FOR USE IN NEW RELAY BOARD.
5. PROVIDE NEW COVER PLATE AND WIRE NUT(CAP) CONDUCTOR IN EXISTING JUNCTION BOX AND DIMMER RACK. LABEL AS SPARES AT BOTH ENDS.
6. DISCONNECT EXISTING FUSED DISCONNECT SWITCH AND PREPARE FEEDER FOR CONNECTION TO NEW PANEL BOARD.
7. DISCONNECT AND REMOVE EXISTING SOUND, TELEX, AND ANY AV EQUIPMENT. EXISTING RACK FRAME TO REMAIN FOR NEW EQUIPMENT.
8. DISCONNECT AND REMOVE EXISTING AV STATION, AUDIO JACKS AND ASSOCIATED CABLING BACK TO SOURCE. PREPARE FOR INSTALLATION OF NEW AUDIO INTERFACE. PROVIDE STAINLESS STEEL COVERPLATES FOR JUNCTION BOXES NO LONGER BEING USED.
9. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES, EMERGENCY FIXTURES AND ASSOCIATED CONTROLS IN THIS AREA. EXISTING CIRCUIT TO REMAIN FOR NEW LIGHTING. MOUNTING PLATE ATTACHED TO CEILING SERVING CAN LIGHTS TO REMAIN.
10. DISCONNECT AND REMOVE PROJECTOR SCREEN AND CONTROL SWITCH, EXISTING CIRCUIT TO REMAIN FOR NEW PROJECTOR SCREEN. EXISTING BOX TO REMAIN FOR NEW SWITCH.
11. DISCONNECT AND REMOVE SOUND AND LIGHTING BOARDS AND ASSOCIATED CABLING. PREPARE FOR INSTALLATION OF NEW SOUND AND LIGHTING BOARDS.
12. DISCONNECT AND REMOVE SPEAKERS AND CABLING, RIGGING AND EXISTING SUPPORT FROM CEILING. TO REMAIN AS REQUIRED FOR NEW SPEAKERS. PROVIDE CUSTOM COVERPLATE(S) FOR DEMOED SPEAKERS IN FRONT OF STAGE. PATCH AND PAINT UNDER BALCONY LOCATIONS SERVING DEMOED SPEAKERS. PREPARE FOR INSTALLATION OF NEW SPEAKERS SUSPENDED FROM CEILING.
13. DISCONNECT AND REMOVE LIGHTING TOUCH SCREEN CONTROL STATION, EXISTING CONDUIT AND WIRE TO REMAIN. PREPARE FOR INSTALLATION OF NEW LIGHTING CONTROL STATION.



SECOND FLOOR AUDITORIUM STAGE DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



THIRD FLOOR AUDITORIUM STAGE DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



KEY PLAN
NOT TO SCALE

File Location: X:\Clients\1706100000\FWCS\Notes\Auditorium\2025\2025 Demolition.dwg Date Printed: 2/22/25 Time Printed: 2:12:10 PM Plotted by: s1706100000\primary Engineering, Inc.

0 16 32 48 0 8 16 24 32 0 8 16 24 0 4 8 12 0 2 4 6 0 1 2 3 4 0 1 2 3 4 0 1 2 3 4

SCALE: 1/16" = 1'-0" SCALE: 3/32" = 1'-0" SCALE: 1/8" = 1'-0" SCALE: 1/4" = 1'-0" SCALE: 1/2" = 1'-0" SCALE: 3/4" = 1'-0" SCALE: 1" = 1'-0"

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ADDITIONUM #1 3-3-2025
ADDITIONUM #2 2-20-2025



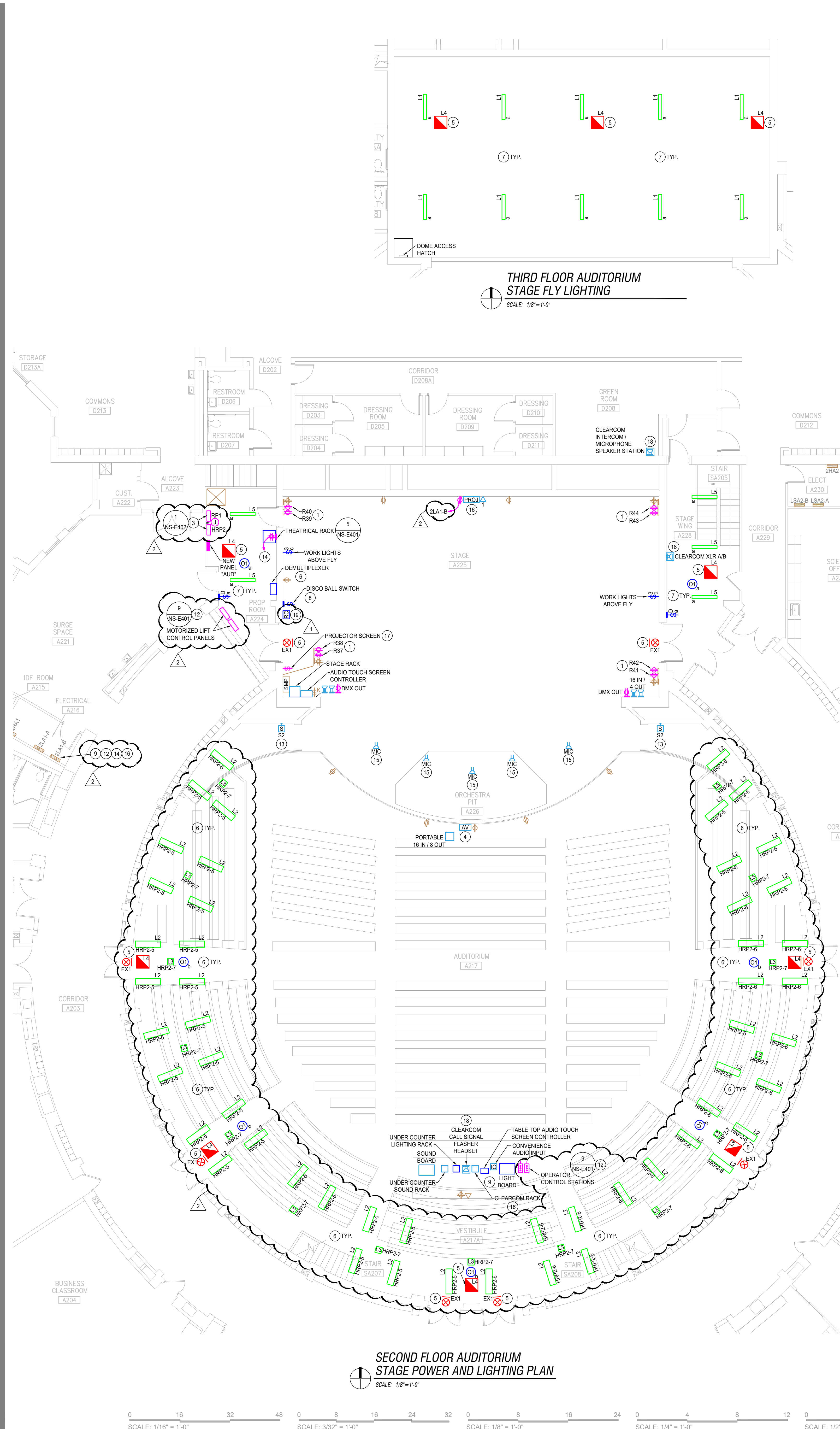
FORT WAYNE COMMUNITY SCHOOLS
2025 Auditorium Sound, Lights, and Tech
Fort Wayne, Indiana

CERTIFICATION:
Professional Engineer
No. PE10302397
STATE OF INDIANA
Professional Engineer
Mark E. Fisher

DATE: 2-3-2025
COMM: 24658
FILE: 658-NS-E101
SCHOOL: North Side High School
475 East State Blvd.
Fort Wayne Indiana 46805

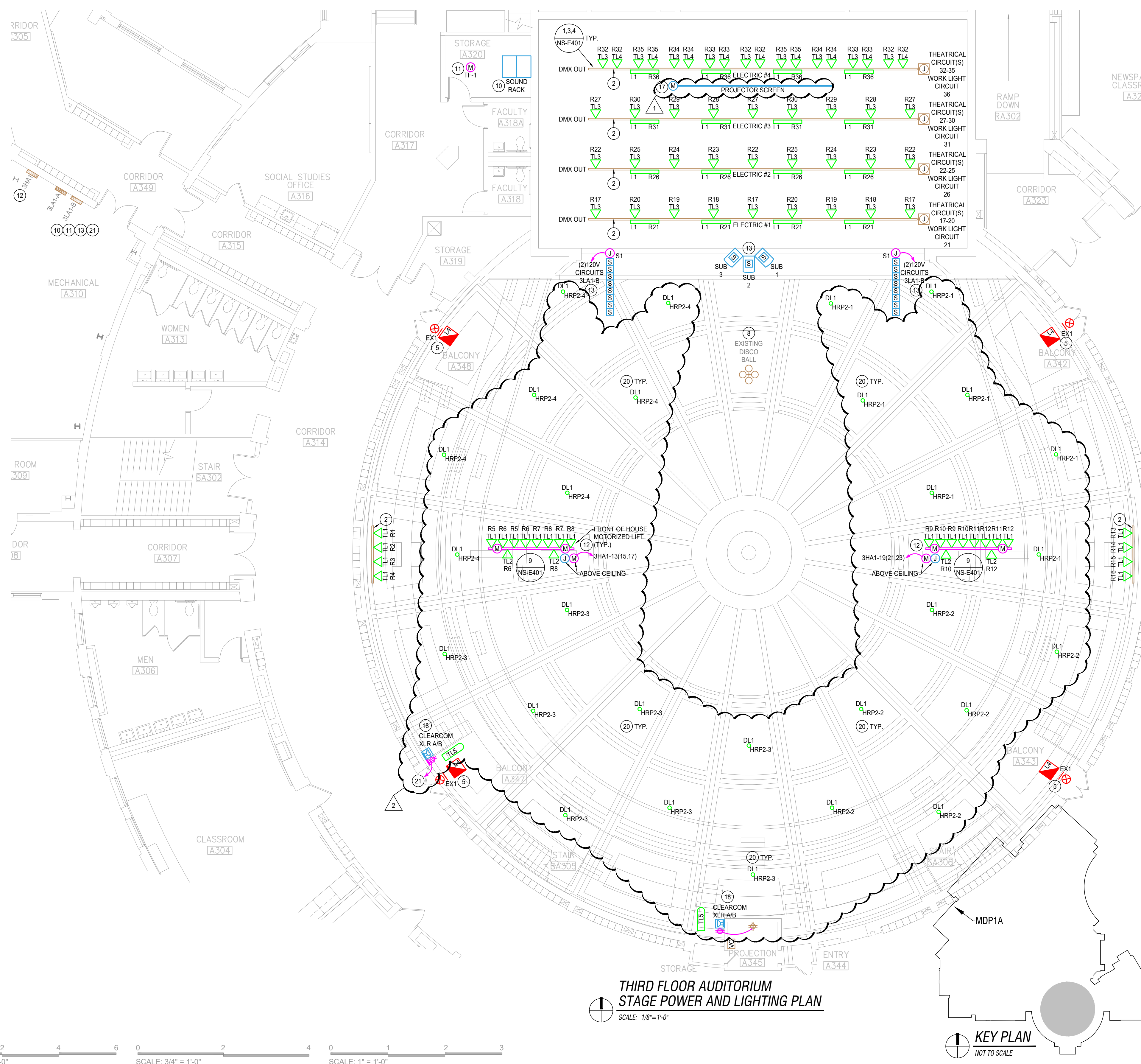
TITLE:
ELECTRICAL DEMOLITION PLANS

SHEET:
NS-E101



- PLAN NOTES**
18. PROVIDE AND INSTALL NEW LIGHTING CONTROL STATION IN SAME LOCATION AS DEMOED CONTROL STATION.
 19. PROVIDE AND INSTALL NEW DL1 FIXTURES IN SAME LOCATIONS AS DEMOED FIXTURES. CONNECT TO EXISTING CIRCUIT PREVIOUSLY SERVING FIXTURES. PROVIDE AND INSTALL NEW DMX CONTROL TO ALL FIXTURES.
 20. PROVIDE AND INSTALL NEW 20A1P BREAKER IN EXISTING PANEL 3LA1-B. CONNECT NEW RECEPTACLE FOR FOLLOW SPOT TO NEW BREAKER. COORDINATE EXACT LOCATION OF RECEPTACLE PRIOR TO INSTALLATION.
- DOMED CEILING CONTAINS ASBESTOS. NO CUTTING/PATCHING OR ANY OTHER WORK THAT MAY DISTURB CEILING IS ALLOWED. PROVIDE FLANKING AND PROTECTION WHEN WORKING ABOVE CEILING.
- E.C. SHALL VERIFY ALL EXISTING CIRCUITS IN PANELS WHERE CHANGES ARE MADE. PROVIDE NEW, TYPED, UPDATED DIRECTORY.
- E.C. SHALL REMOVE AND PROPERLY DISPOSE OF ALL LIGHTS, EQUIPMENT, ETC. BEING DEMOED THROUGHOUT THE PROJECT.
- PROVIDE AND INSTALL TEMPORARY FLOOR PROTECTION DURING DEMOLITION AND CONSTRUCTION AS REQUIRED TO PROTECT EXISTING STAGE FLOOR FROM DAMAGE.
- EXISTING PATHWAYS MAY BE REUSED IN LOCATIONS WHERE NEW DEVICES ARE TO BE INSTALLED IN SAME LOCATIONS AS DEMOED DEVICES.
- E.C. SHALL PAINT ALL ITEMS PUT WITHIN AUDITORIUM FLAT BLACK.

- PLAN NOTES**
1. PROVIDE AND INSTALL NEW DUPLEX RECEPTACLE(S) (5-20R) WITH LABELING CORRESPONDING TO EXISTING CIRCUIT. CONNECT TO EXISTING CIRCUIT(S) EXTEND CONDUCTORS AS REQUIRED TO TERMINATE (2-#12, 1-#10), REFER TO THEATRICAL SCHEDULE.
 2. PROVIDE AND INSTALL NEW NEMA 5-20R SO CORDS AND BACK BOXES IN EXISTING CONNECTOR STRIPS. MARK AND LABEL SPARE CIRCUITS. WIRE NUT SPARE CIRCUITS FOR FUTURE USE.
 3. PROVIDE AND INSTALL CUSTOM SHEET METAL JUNCTION BOX, 2"X2"X6" MINIMUM, CONNECTED TO EXISTING CONDUITS PREVIOUSLY CONNECTED TO DIMMER RACK. CONNECT AND EXTEND EXISTING CIRCUITS TO NEW RELAY PANEL(S). ALL WIRE JOINTS TO BE BUT SPICED. WIRE NUT AND LABEL UNUSED CIRCUITS FOR FUTURE USE.
 4. PROVIDE AND INSTALL NEW AUDIO INTERFERENCE WITH BLUE TOOTH IN FRONT OF STAGE. PROVIDE ALL CABLING AND CONNECTIONS REQUIRED FOR A COMPLETE WORKING SYSTEM COORDINATE PRIOR TO INSTALLATION.
 5. CONNECT NEW EXIT / EMERGENCY FIXTURE TO EXISTING EMERGENCY CIRCUIT SERVING THIS AREA.
 6. PROVIDE AND INSTALL NEW SURFACE MOUNT FIXTURES ON UNDER BALCONY SPLINE CEILING. PROVIDE STAINLESS STEEL PLATES OVER HOLE AS REQUIRED FOR MOUNTING. INTERCEPT EXISTING CIRCUIT FEEDING UNDER BALCONY LIGHTING AND REROUTE TO NEW RELAY PANEL. PROVIDE 1-10V DIMMING CABLE TO ALL FIXTURES. ROUTE CABLE BACK TO NEW DEMULTIPLEX PANEL IN PROP ROOM A224. PROVIDE DMX TO NEW DEMULTIPLEX PANEL. PROVIDE AND INSTALL OCCUPANCY SENSORS. REFER TO SENSOR SCHEDULE FOR MORE INFORMATION.
 7. PROVIDE AND INSTALL NEW LIGHTING AND CONTROLS IN THIS AREA. CONNECT TO EXISTING CIRCUIT PREVIOUSLY SERVING THIS SPACE.
 8. PROVIDE AND INSTALL NEW SWITCH FOR EXISTING DISCO BALL. CURRENTLY NOT BEING SWITCHED. INTERCEPT CIRCUIT AND COORDINATE EXACT LOCATION FOR SWITCH WITH OWNER PRIOR TO INSTALLATION.
 9. PROVIDE (2) 2" CORE SLEEVES DOWN TO USE AS ADDITIONAL PATHWAYS. MODIFY CASEWORK AS REQUIRED FOR NEW EQUIPMENT. PROVIDE (2) ADDITIONAL 120V CIRCUITS FROM EXISTING PANEL 2LA1-B. PROVIDE ADDITIONAL SUPPORTS, SLEEVES, AND PENETRATIONS AS REQUIRED TO ROUTE CABLING BELOW AUDITORIUM ABOVE CEILING AND FLOOR.
 10. PROVIDE AND INSTALL (2) 20A1P BREAKERS IN EXISTING PANEL 3LA1-B. PROVIDE AND INSTALL (2) 120V CIRCUITS FROM EXISTING PANEL 3LA1-B FOR NEW SOUND RACK SYSTEM. TO BE INSTALLED IN EXISTING RACK FRAME.
 11. PROVIDE AND INSTALL NEW EXHAUST FAN (TF-1) IN STORAGE A230. PROVIDE AND INSTALL NEW 20A1P BREAKER IN EXISTING PANEL 3LA1-B TO SERVE TF-1. REFER TO EXHAUST FAN SCHEDULE ON SHEET NS-E402 FOR ADDITIONAL INFORMATION.
 12. PROVIDE AND INSTALL (2) MOTORIZED SELF-CLIMBING TRUSS SYSTEMS WITH A LENGTH OF 12 FEET EACH. PROVIDE AND INSTALL (2) 120V 20A1P BREAKERS IN EXISTING PANEL 2LA1-B FOR MOTORIZED LIFT CONTROL PANELS AND (2) 480V 20A3P BREAKERS IN EXISTING PANEL 3H41. HAND OVER REPLACED SPARE BREAKERS TO OWNER. PROVIDE AND INSTALL MISCELLANEOUS STEEL TO SUPPORT TRUSS SYSTEM TO EXISTING STEEL STRUCTURE AND ANY ADDITIONAL COMPONENTS REQUIRED FOR INSTALLATION. COORDINATE LOCATION OF PANELS AND CONTROL STATIONS PRIOR TO INSTALLATION.
 13. PROVIDE AND INSTALL NEW SPEAKERS SUSPENDED FROM CEILING AND MOUNTED ON WALL. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION PRIOR TO INSTALLATION. REUSE EXISTING CABLING AND RIGGING AND PROVIDE ADDITIONAL AS REQUIRED. PROVIDE AND INSTALL (2) 20A1P BREAKERS IN EXISTING PANEL 3LA1-B FOR EACH SPEAKER ARRAY (S1).
 14. PROVIDE AND INSTALL NEW CIRCUIT FROM EXISTING PANEL 2LA1-B TO SERVE NEW THEATRICAL RACK. COORDINATE RACK LOCATION PRIOR TO INSTALLATION.
 15. PROVIDE AND INSTALL NEW CEILING HUNG DROP MICS. COORDINATE EXACT LOCATION AND HEIGHT WITH OWNER PRIOR TO INSTALLATION.
 16. PROVIDE AND INSTALL NEW REAR SCREEN PROJECTOR. PROVIDE ALL MATERIAL REQUIRED FOR MOUNTING AND INSTALLATION. COORDINATE EXACT HEIGHT AND LOCATION OF PROJECTOR AND DEVICES WITH OWNER AND SCREEN MANUFACTURER PRIOR TO INSTALLATION. PROVIDE DATA FROM IDF IN ROOM A215. PROVIDE AND INSTALL 20A1P BREAKER IN EXISTING PANEL 2LA1-B FOR POWER.
 17. PROVIDE AN INSTALL DALI TE "TENSIONED PROFESSIONAL ELECTROL" REAR PROJECTION SCREEN 12'-2" HEIGHT AND 21'-8" WIDE (16-9 FORMAT) WITH 18" BLACK DROP. ELECTRICALLY (120V) OPERATED WITH LIMIT SWITCHES. UP/DOWN CONTROL SWITCH IN ENCLOSED HOUSING, OR EQUAL. CONNECT TO EXISTING CIRCUIT PREVIOUSLY SERVING DEMOED SCREEN. EXTEND AS REQUIRED. COORDINATE EXACT DISTANCE REQUIRED FROM PROJECTOR BEFORE MOUNTING TO RIGGING IN FLY AREA OF STAGE. MODIFY RIGGING AND PROVIDE HARDWARE AS REQUIRED. COORDINATE SIZE AND FINISH OF SCREEN WITH OWNER.
 18. PROVIDE AND INSTALL CLEAROOM SYSTEM. COORDINATE RACK AND STATION LOCATIONS PRIOR TO INSTALLATION.



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1. PROVIDE AND INSTALL NEW DUPLEX RECEPTACLE(S) (5-20R) WITH LABELING CORRESPONDING TO EXISTING CIRCUIT. CONNECT TO EXISTING CIRCUIT(S) EXTEND CONDUCTORS AS REQUIRED TO TERMINATE (2-#12, 1-#10), REFER TO THEATRICAL SCHEDULE.
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 18. PROVIDE AND INSTALL CLEAROOM SYSTEM. COORDINATE RACK AND STATION LOCATIONS PRIOR TO INSTALLATION.

PRIMARY ENGINEERING INC
Indianapolis
Fort Wayne
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info@primary-eng.com

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ADDITIONAL #2 3-3-2025
ADDITIONAL #3 2-20-2025

F W C S
WE ARE YOUR SCHOOLS

FORT WAYNE COMMUNITY SCHOOLS
2025 Auditorium Sound, Lights, and Tech
Fort Wayne, Indiana

CERTIFICATION:
No. PE10302397
STATE OF INDIANA
PROFESSIONAL ENGINEER
M. E. Tabor

DATE: 2-3-2025
COMM: 24658
FILE: 658-NS-E201
SCHOOL: North Side High School
475 East State Blvd.
Fort Wayne Indiana 46805
TITLE: POWER AND LIGHTING PLANS
SHEET: NS-E201

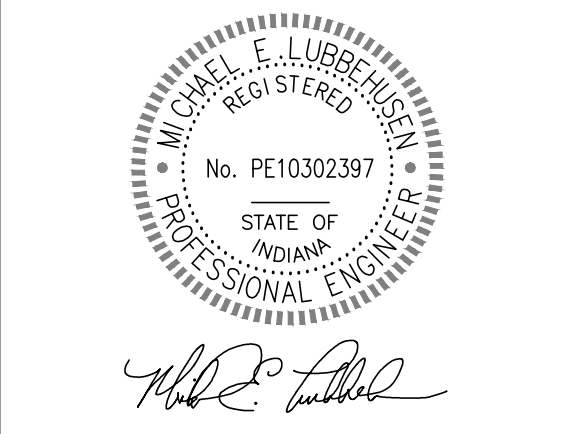
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ADDENDUM #3 3-3-2025



FORT WAYNE COMMUNITY SCHOOLS
2025 Auditorium Sound, Lights, and Tech
 Fort Wayne, Indiana

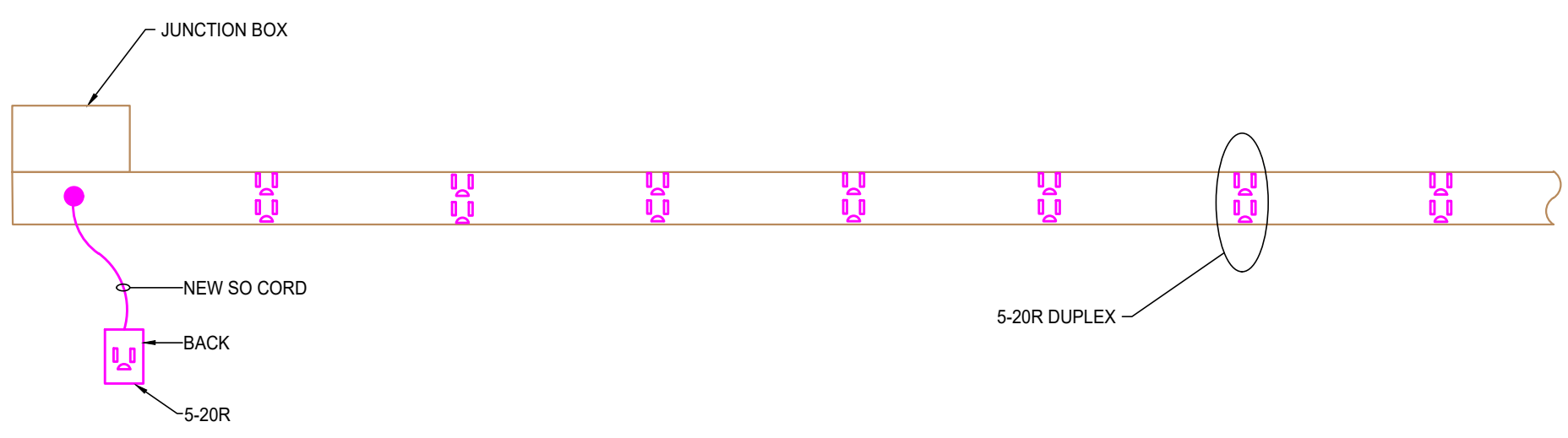
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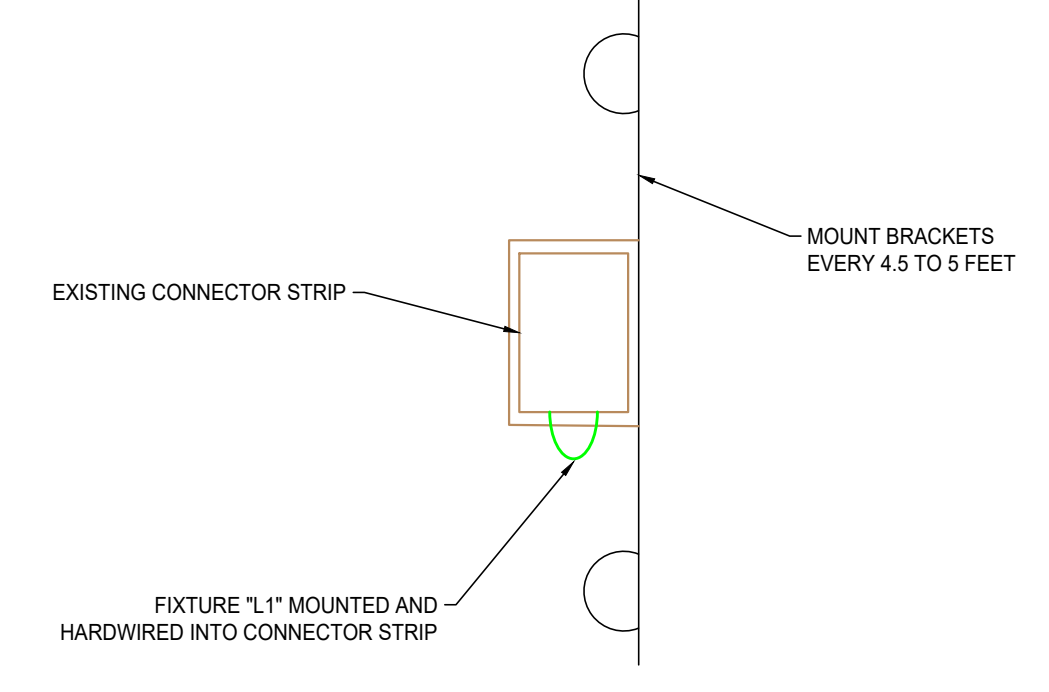
DATE: 2-3-2025
 COMM: 24658
 FILE: 658-NS-E401
 SCHOOL: North Side High School
 475 East State Blvd.
 Fort Wayne Indiana 46805

TITLE:
ELECTRICAL DETAILS

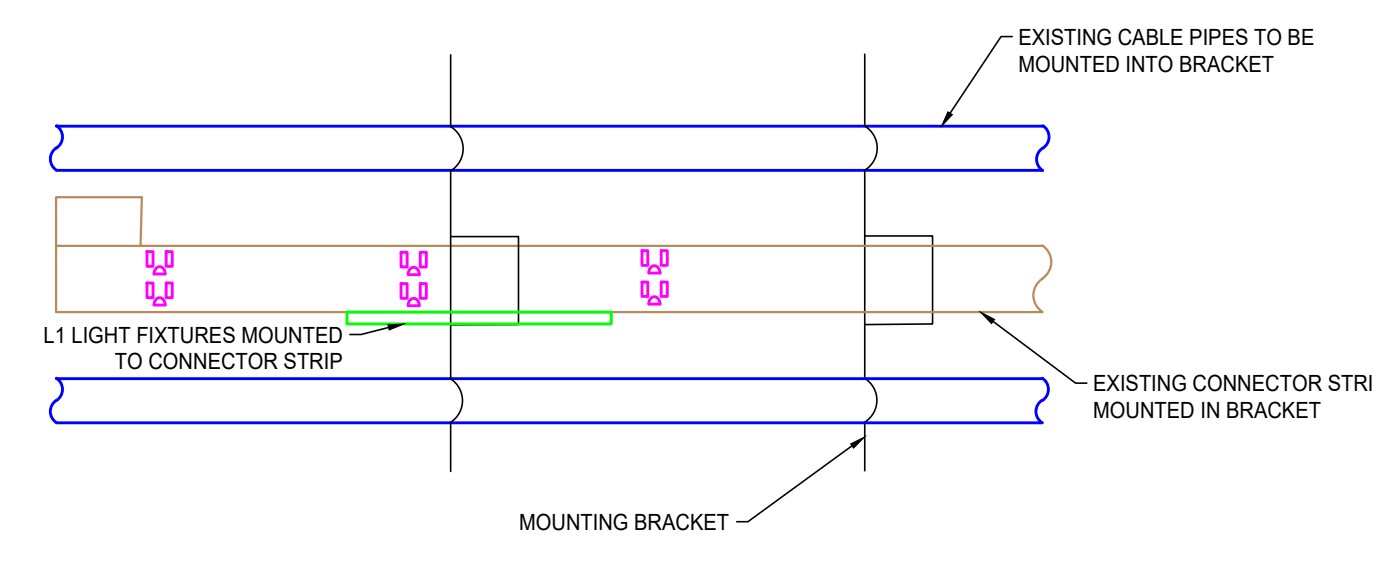
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NS-E401



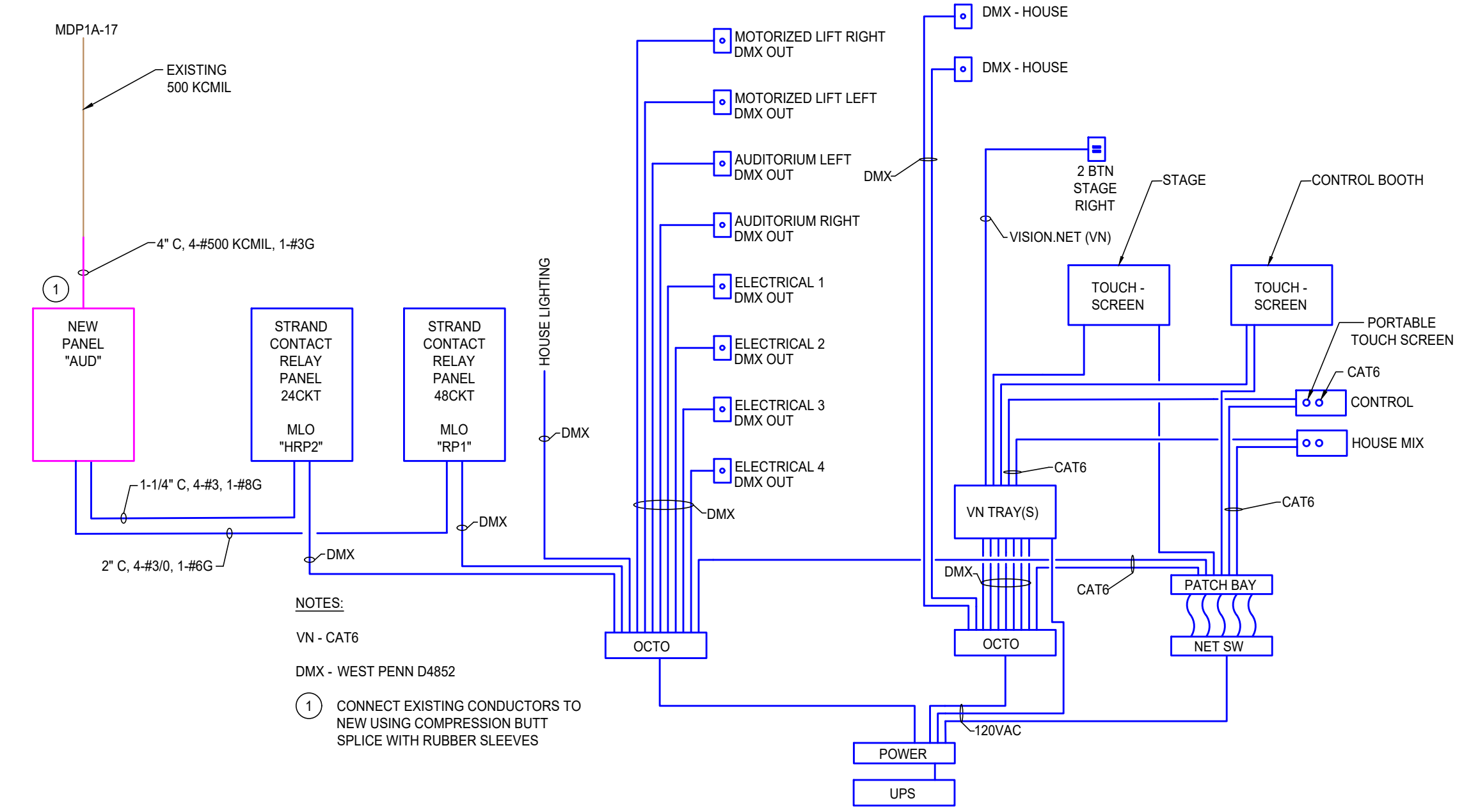
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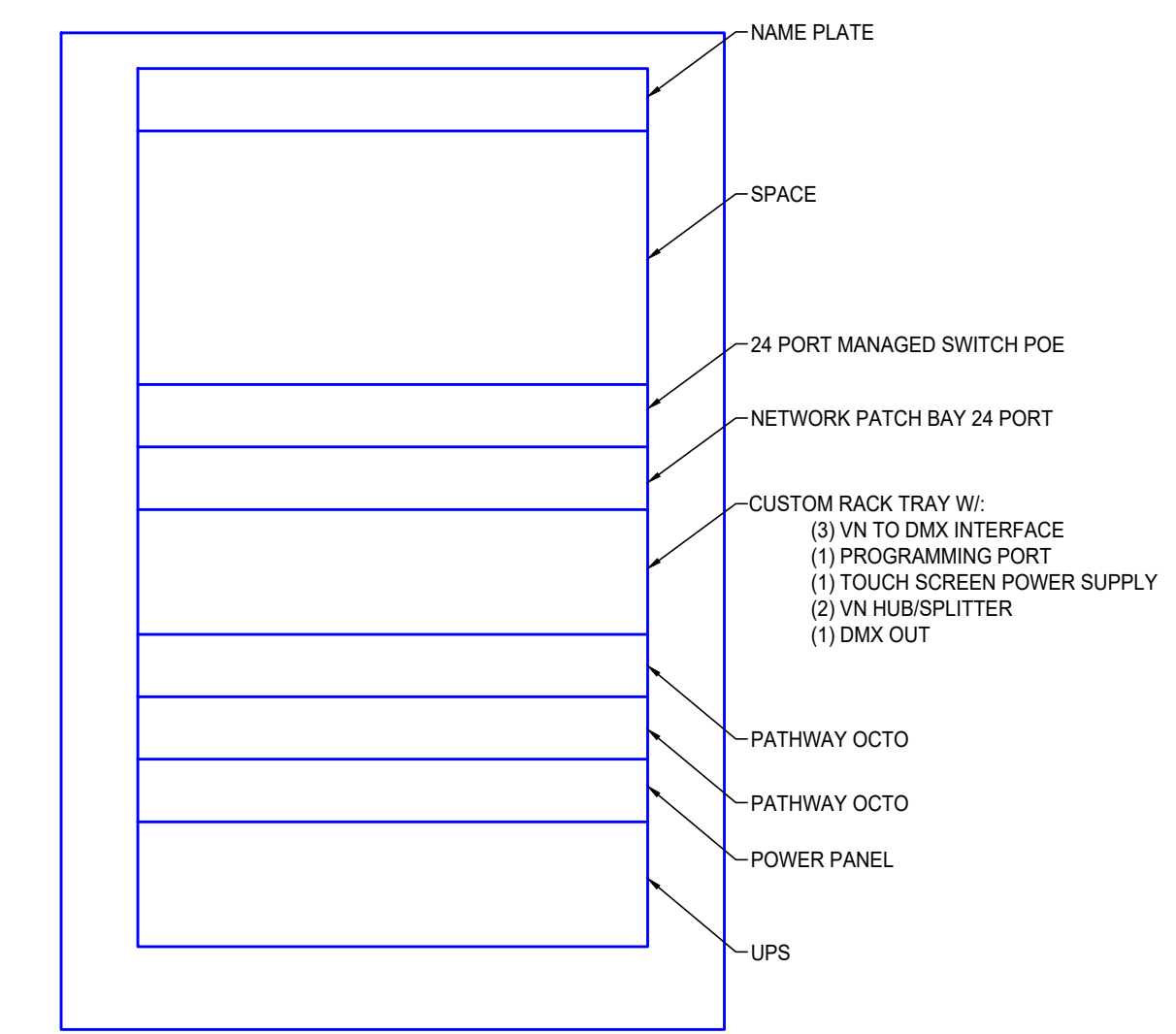
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 SCALE: NOT TO SCALE



3 DOUBLE PIPE MOUNTING BRACKET
 SCALE: NOT TO SCALE



4 HOUSE AND THEATRICAL LIGHTING RISER DIAGRAM
 SCALE: NOT TO SCALE



5 RACK LAYOUT DETAIL
 SCALE: NOT TO SCALE

POWER STRIP

ALLEN & HEATH DX HUB W/MOUNTING KIT
WIRELESS RECEIVER (12)
HDM SWITCHER & AUDIO EXTRACTOR
DISTRO / ANTENNA'S
SHELF
MINI-COMPUTER REMOTE TO SERVICE TERMINAL
AUDIO ROUTER / PROCESSOR
AMPLIFIER / DSP
AMPLIFIER / DSP
AMPLIFIER / DSP
NETWORK SWITCH

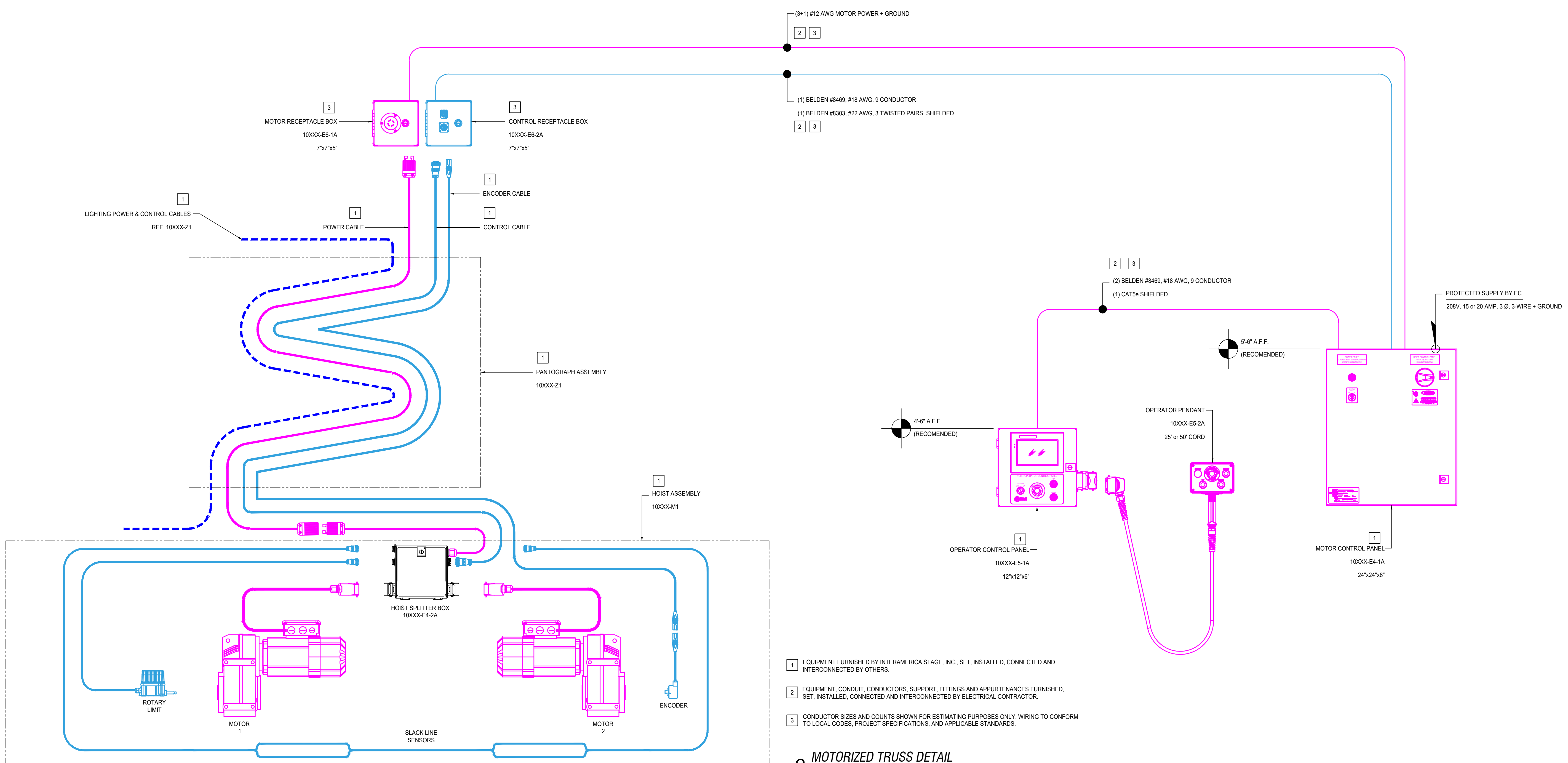
6 SOUND RACK LAYOUT DETAIL (SR-1)
 SCALE: NOT TO SCALE

ALLEN & HEATH A4-DX HUB W/MOUNTING KIT
HDMI / HD BASE T
BLANK
BLANK
BLANK
BLANK
BLANK

7 STAGE RACK LAYOUT DETAIL (SR-2)
 SCALE: NOT TO SCALE

REMOTE POWER RELAY
POWER CONDUCTOR
NETWORK SWITCH
BLANK
BLANK

8 UNDER COUNTER RACK LAYOUT DETAIL (SR-3)
 SCALE: NOT TO SCALE



9 MOTORIZED TRUSS DETAIL
 SCALE: NOT TO SCALE

- 1 EQUIPMENT FURNISHED BY INTERAMERICA STAGE, INC. SET, INSTALLED, CONNECTED AND INTERCONNECTED BY OTHERS.
- 2 EQUIPMENT, CONDUIT, CONDUCTORS, SUPPORT, FITTINGS AND APPURTENANCES FURNISHED, SET, INSTALLED, CONNECTED AND INTERCONNECTED BY ELECTRICAL CONTRACTOR.
- 3 CONDUCTOR SIZES AND COUNTS SHOWN FOR ESTIMATING PURPOSES ONLY. WIRING TO CONFORM TO LOCAL CODES, PROJECT SPECIFICATIONS, AND APPLICABLE STANDARDS.

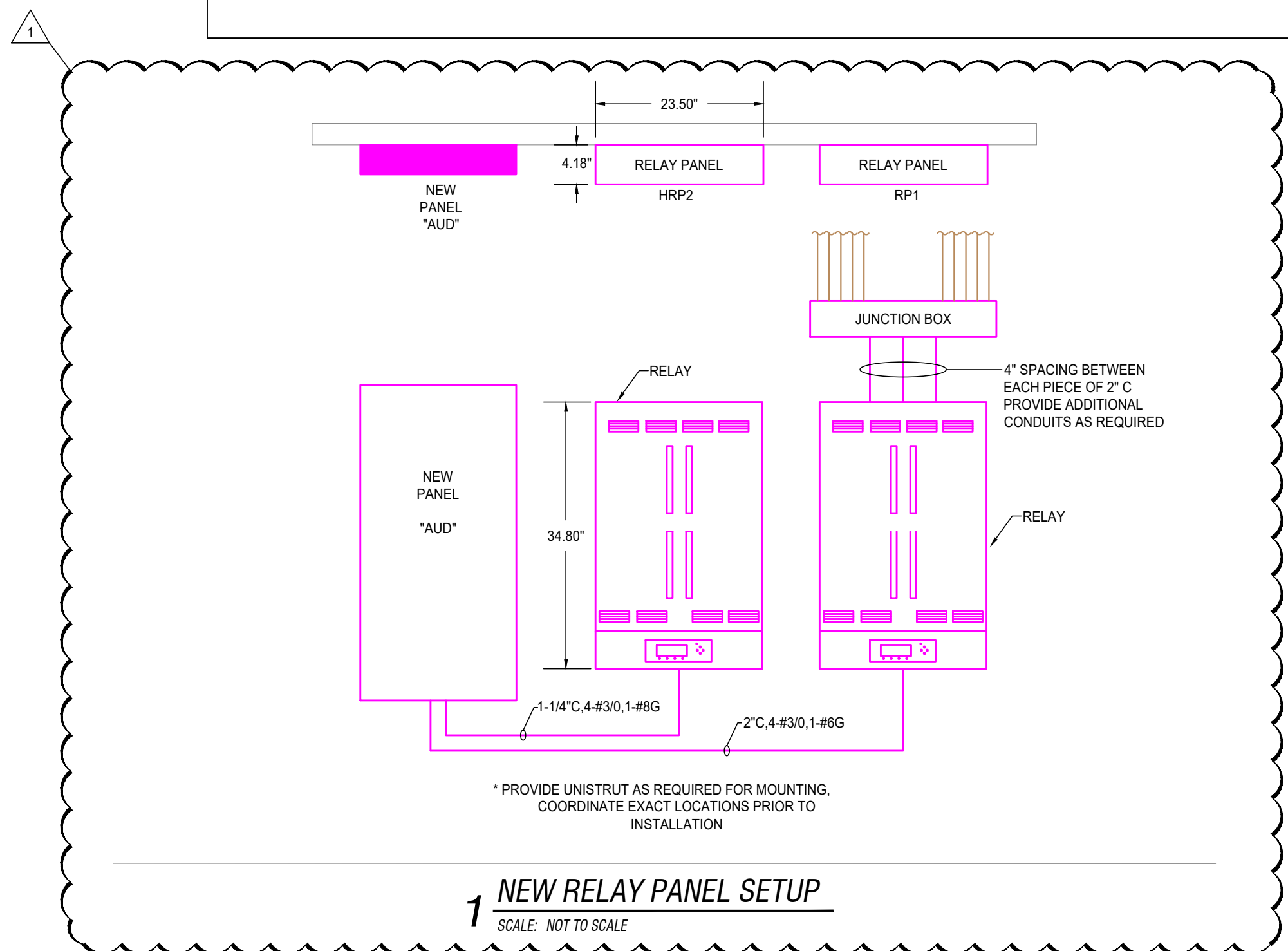
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 Plotter: HP DesignJet T1100e
 Scale: 1:1
 User: jason@primary-eng.com
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REMARKS	CKT NO.	BRK SIZE	LOAD DESCRIPTION	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD DESCRIPTION	BRK SIZE	CKT NO.	REMARKS	
	1	200A/3P	RP1 - RELAY PANEL	15600 0	15600 0	15600 0	SPACE	200A/3P	2	1	
	3	200A/3P	SPARE	0 0	0 0	0 0	SPACE	200A/3P	4	1	
	5	100A/3P	HRP2 - RELAY PANEL	1800 0	1800 0	1800 0	SPACE	100A/3P	6	1	
REMARKS				17,400	17,400	17,400					

HOUSE RELAY/DIMMING PANEL						
PANEL NAME: NEW HRP2 LOCATION: PROP ROOM A224 MOUNTING: WALL/RACK SUPPLY CIRCUIT: EXISTING CIRCUIT TO DIMMER MODULE(S)			MANUFACTURER: PHILIPS STRAND LIGHTING(VARI-LITE) MODEL TYPE: 78921C WITH ENCLOSURE			
PANEL NOTES: REUSE EXISTING CIRCUITS FROM EXISTING DIMMER MODULES WIRE NUT OFF(CAP) UNUSED CIRCUITS AND MARK AS SPARE						
RELAY	LOAD DESCRIPTION	MODULE SIZE	MODULE TYPE	SOURCE	VOLTAGE	REMARKS
1	CAN FIXTURE LIGHTS(DL1)	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
2	CAN FIXTURE LIGHTS(DL1)	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
3	CAN FIXTURE LIGHTS(DL1)	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
4	CAN FIXTURE LIGHTS(DL1)	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
5	UNDER BALCONY LIGHTS(L2)	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
6	UNDER BALCONY LIGHTS(L2)	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
7	PERFORMANCE UNDER BALCONY LIGHTS(L3)	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
8	SPARE	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
9	SPARE	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
10	SPARE	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
11	SPARE	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
12	SPARE	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
13	SPARE	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
14	SPARE	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
15	SPARE	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
16	SPARE	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
17	SPARE	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
18	SPARE	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
19	SPARE	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
20	SPARE	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
21	SPARE	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
22	SPARE	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
23	SPARE	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
24	SPARE	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
REMARKS						
1. 'CB' CIRCUIT BREAKER.						
2. COORDINATE EXACT CIRCUIT LABELING WITH OWNER						

THEATRICAL RELAY/DIMMING PANEL						
PANEL NAME: NEW RP1 LOCATION: PROP ROOM A224 MOUNTING: WALL/RACK SUPPLY CIRCUIT: EXISTING CIRCUIT TO DIMMER MODULE(S)			MANUFACTURER: PHILIPS STRAND LIGHTING MODEL TYPE: 78923C WITH ENCLOSURE			
PANEL NOTES: REUSE EXISTING CIRCUITS FROM EXISTING DIMMER MODULES WIRE NUT OFF(CAP) UNUSED CIRCUITS AND MARK AS SPARE						
RELAY	LOAD DESCRIPTION	MODULE SIZE	MODULE TYPE	SOURCE	VOLTAGE	REMARKS
1	AUD. ELECTRIC #1 (WEST WALL) TL1	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
2	AUD. ELECTRIC #1 (WEST WALL) TL1	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
3	AUD. ELECTRIC #1 (WEST WALL) TL1	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
4	AUD. ELECTRIC #1 (WEST WALL) TL1	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
5	AUD. ELECTRIC LIFT #1 (WEST) TL1 & TL2	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
6	AUD. ELECTRIC LIFT #1 (WEST) TL1 & TL2	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
7	AUD. ELECTRIC LIFT #1 (WEST) TL1 & TL2	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
8	AUD. ELECTRIC LIFT #1 (WEST) TL1 & TL2	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
9	AUD. ELECTRIC LIFT #2 (EAST) TL1 & TL2	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
10	AUD. ELECTRIC LIFT #2 (EAST) TL1 & TL2	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
11	AUD. ELECTRIC LIFT #2 (EAST) TL1 & TL2	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
12	AUD. ELECTRIC LIFT #2 (EAST) TL1 & TL2	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
13	AUD. ELECTRIC #2 (EAST WALL) TL1	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
14	AUD. ELECTRIC #2 (EAST WALL) TL1	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
15	AUD. ELECTRIC #2 (EAST WALL) TL1	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
16	AUD. ELECTRIC #2 (EAST WALL) TL1	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
17	ELECTRIC #1 TL3	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
18	ELECTRIC #1 TL3	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
19	ELECTRIC #1 TL3	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
20	ELECTRIC #1 TL3	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
21	ELECTRIC #1 L1 WORKLIGHT	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
22	ELECTRIC #2 TL3	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
23	ELECTRIC #2 TL3	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
24	ELECTRIC #2 TL3	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
25	ELECTRIC #2 TL3	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
26	ELECTRIC #2 L1 WORKLIGHT	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
27	ELECTRIC #3 TL3	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
28	ELECTRIC #3 TL3	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
29	ELECTRIC #3 TL3	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
30	ELECTRIC #3 TL3	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
31	ELECTRIC #3 L1 WORKLIGHT	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
32	ELECTRIC #4 TL3 & TL4	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
33	ELECTRIC #4 TL3 & TL4	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
34	ELECTRIC #4 TL3 & TL4	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
35	ELECTRIC #4 TL3 & TL4	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
36	ELECTRIC #4 L1 WORKLIGHT	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
37	STAGE FRONT (WEST WALL)	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
38	STAGE FRONT (WEST WALL)	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
39	STAGE BACK (WEST WALL)	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
40	STAGE BACK (WEST WALL)	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
41	STAGE FRONT (EAST WALL)	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
42	STAGE FRONT (EAST WALL)	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
43	STAGE BACK (EAST WALL)	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
44	STAGE BACK (EAST WALL)	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
45	SPARE	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
46	SPARE	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
47	SPARE	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
48	SPARE	20A/1P	RELAY WITH CB	EXISTING CIRCUIT	120	1.2
REMARKS						
1. 'CB' CIRCUIT BREAKER.						
2. COORDINATE EXACT CIRCUIT LABELING WITH OWNER						

EXHAUST FAN SCHEDULE												
TAG	AREA SERVED	MFR.	MODEL	CFM	(IN W.C.)	MOTOR (WATTS)	RPM	DRIVE TYPE	SONES	ELEC (V/PH)	CONTROL	REMARKS
TF-1	ELEC RACK	GREENHECK	SP-A200	150	0.25	25	714	DIRECT	1.2	120/1	EC	1, 2, 3, 4
REMARKS:												
1. MOTOR SHALL BE RATED FOR CONTINUOUS DUTY.												
2. PROVIDE AND INSTALL WITH FACTORY WIRED NEMA-1 ELECTRICAL DISCONNECT SWITCH.												
3. WHEEL SHALL BE GALVANIZED STEEL, PLASTIC NOT ACCEPTABLE.												
4. GRILLE SHALL BE ALUMINUM PAINTED WHITE, PLASTIC NOT ACCEPTABLE.												



EQUIPMENT SCHEDULE						
EQUIP NOTES: 1. REFER TO SPECIFICATIONS 2. REFER TO DRAWING 3. PROVIDE AND INSTALL CABLING FOR COMPLETE OPERATIONAL SYSTEM.						
ITEM	ITEM DESCRIPTION	PART NUMBER	QUANTITY	VOLTAGE	NOTES	
1	CONNECTOR STRIP	BAL-60-5/16-520R	3	120	BAL SERIES, "60" FEET LONG, (1)5-20R RECEPTACLES	
2	FLOOR BOX FACE PLATE	1-4-520R	15	120	FP SERIES CUSTOM FACE PLATE, EXISTING FLOOR BOX REMAIN, REPLACE ORIGINAL FACEPLATE WITH 4/8S-20R FACEPLATE	
3	CONNECTOR STRIP MOUNTING BRACKETS	MODEL #DP-18/27 (DOUBLE PIPE)	AS REQUIRED		HARDWARE MOUNTING CONNECTOR STRIP FOR ELECTRICS	
4	PIPE MOUNT DMX OUTPUT	PM-1-DMXPF	4		SSRC PM SERIES PIPE MOUNT DMX OUTPUT	
5	CUSTOM COVERPLATE	11 1/2" W X 6" H-4 520D	9	120	SSRC QUANTITY 4 DUPLEX RECEPTACLES PER CUSTOM PLATE(6-20R)	
6	ONE GANG FACEPLATE	5001 BL	6		PATHWAY FACEPLATE CONNECTORS	
7	TWO GANG FACEPLATE	5002 BL	2		PATHWAY FACEPLATE CONNECTORS	
8	FEMALE 5 PIN XLR	5102 BL	3		PATHWAY INSERT DMX CONNECTORS	
9	RJ 45 ETHERCON	5105 BL	4		PATHWAY INSERT ETHERNET CONNECTORS	
10	DUAL RJ 45 ETHERCON	5115 BL	2		PATHWAY INSERT ETHERNET CONNECTORS	
11	DMX 5-PIN CABLE	FPDMX5-50	3	UNIVERSE	MYSTAR DMX 5P XLR/MXLR 50 FEET	
12	POWERCON CABLE	FP0W12310-50	2		MYSTAR12-3C POWERCON ASSEMBLY 50 FEET	
13	48 BREAKER/RELAY CONTACT PANEL	CONBOX-4 78923C 78962 78991 78966	1	208	STRAND RELAY(T-POLE) INSERT PANEL WITH BREAKERS(20A-1P), 48-WAY, ENCLOSURE, AND CONTROL DMX12	
14	VISION NET USB	63895/USB	1		ROOM PRESETS, CHANNELS	
15	VISION NET TOUCHSCREEN	95610 95622 95623 68824 68825 68830	2	24 DC	CONTROLLABLE VISION NET TOUCHSCREEN WITH SURFACE BOX AND ONE WITH PORTABLE RACK AND 25 FOOT CAT6 CABLE.	
16	VISION NET GATEWAY	65710	1	24 DC	COORDINATE VISION NET DEVICES WITH BUILT-IN CLOCK	
17	VISION NET 4-WAY SPLITTER	53004-004	1	24 DC	1X4 SPLITTING OF VISION NET HARDWARE SIGNALS	
18	VISION NET 150W	53006-301	1	100-277	CONVERTS INCOMING VOLTAGE TO 24V DC FOR OTHER VISION NET DEVICES	
19	VISION NET DMX512 INTERFACE	63054	1	24 DC	COORDINATES DMX INPUT TO VISION NET SOFTWARE AND SRD PARTY DIMMER RACK	
20	THEATRICAL EQUIPMENT RACK	MIDDLE ATLANTIC	1		LOCKABLE, METAL SCREEN, REMOVABLE SIDES (SIZE AS APPROPRIATE FOR PLACEMENT), PROVIDE ACCESSORIES AS REQUIRED.	
21	MANAGED SWITCH 24 PORT	NETGEAR	1	120	MANAGED POE SWITCH	
22	CAT6 PATCH PANEL	HUBBELL	1		PATCH PANEL	
23	PATCH CAT6	HUBBELL	24		2 FOOT PATCH CABLES	
24	8 PORT POE NODE	STRAND NETWORKING	2		RACK MOUNTS 8-PORT NODE	
25	RS-232 PROGRAMMING STATION	VISION NET	1		FOR VISION NET	
26	UPS 1000VA	STACO	1		UPS FOR EQUIPMENT RACK	
SEQUENCE OF OPERATIONS						
1. RELAY SHALL BE CONTROLLED THROUGH OCCUPANCY SENSOR AT ALL TIMES DURING THE DAY						
2. RELAY SHALL BE CONTROLLED THROUGH OCCUPANCY SENSOR DURING SCHOOL HOURS						
3. RELAY SHALL BE DISABLED AFTER SCHOOL HOURS AND ONLY OPERATIONAL THROUGH MANUAL OVERRIDE.						
3. RELAY SHALL BE DISABLED DURING SUMMER OPERATION AND ONLY OPERATIONAL THROUGH MANUAL OVERRIDE.						

LIGHT FIXTURE SCHEDULE										
TAG	MANUFACTURER'S CATALOG NUMBER	MAX WATTS	MOUNT	MIN. LUMEN OUTPUT	CCT	CRI	DESCRIPTION			REMARKS
TL1	CHAUVET PROFESSIONAL #REVE-E3	250	SUSPENDED	5,000	NA	NA	120V, LED PROFILE SPOT RGBW LED ARRAY, MOUNTING HARDWARE AND ACCESSORIES, COLOR BLACK			
TL2	VARI-LITE #VL800 EVENTPROFILE	350	SUSPENDED	17000 13000 10000	6500	76	120V COMPACT LED PROFILE, MOUNTING HARDWARE AND ACCESSORIES, OMEGA CLAMP, POWER INPUT CONNECTOR, COLOR BLACK			
TL3	VARI-LITE #VL800 PROPAR	200	SUSPENDED	3,500	7300	90	120V, 7 X 30W RGBW LED PAR, 6 TO 40 MOTORIZED MOUNTING HARDWARE AND ACCESSORIES, COLOR BLACK			
TL4	CHAUVET PROFESSIONAL #CYC 3 FC	200	SUSPENDED	7,500	2500	NA	120V, SPECTRA CYC LED WASH LUMINAIRE WITH POWERCON, FLUSH DMX MOUNTING HARDWARE AND ACCESSORIES, COLOR BLACK			
TL5	STRONG LIGHTING #GHP 6000 ST CANTO #AURORA X1 SHORT	600	SUSPENDED	3500	NA	NA	120V, SHORT-THROW LED FOLLOW SPOT, WITH STAND. PROVIDE FOUR (4) ADDITIONAL FOLLOW SPOT FIXTURES, TWO (2) FOR SOUTH SIDE HIGH SCHOOL & TWO (2) FOR NORTHROP HIGH SCHOOL.			
L1	METALUX #45NXL3SL-LN-UNV-L835-CD-1	35	SUSPENDED	5,282	3500	80	120V, INDUSTRIAL WORK LIGHT, MOUNTING HARDWARE AND ACCESSORIES			
L2	METALUX #14MMS-L3C3-LNV-MEDIUM	26	RECESSED	3,494	2500	80	120-277V, 1X4 ARCHITECTURAL LENSED TROFFER WITH FLAT SMOOTH LENS AND COLD ROLLED STEEL HOUSING. ELECTRONIC 0-10V DIMMING DRIVER WITH RANGE FROM 100% TO 9% UL LISTED.			
L3	METALUX #11MMS-L3C3-LNV-MEDIUM	14	RECESSED	1,630	3500	80	120-277V, 1X1 ARCHITECTURAL LENSED TROFFER WITH FLAT SMOOTH LENS AND COLD ROLLED STEEL HOUSING. ELECTRONIC 0-10V DIMMING DRIVER WITH RANGE FROM 100% TO 9% UL LISTED.			
L4	METALUX #22MMS-L3C3-LNV-HIGH	41	RECESSED	4,948	3500	80	120-277V, 2X2 ARCHITECTURAL LENSED TROFFER WITH FLAT SMOOTH LENS AND COLD ROLLED STEEL HOUSING. ELECTRONIC 0-10V DIMMING DRIVER WITH RANGE FROM 100% TO 9% UL LISTED.			
L5	METALUX #45NXL4SL-LN-UNV-L835-HCD-1	30	RECESSED	4,669	2500	80	120-277V, 4 LINEAR STRIP FIXTURE WITH FROSTED LENS AND COLD ROLLED STEEL HOUSING. ELECTRONIC 0-10V DIMMING DRIVER WITH RANGE FROM 100% TO 1% UL LISTED			
DL1	PORTFOLIO #VLDBE1502DMX-ERBE150208035-8LBW1L1-HS48	159	SUSPENDED	15,000	3500	80	120-277V, 8' DOWNLIGHT WITH SLOPE ADAPTER, DMX CONTROL, UL LISTED. SLOPE OF CEILING VARIES, CONTRACTOR TO FIELD VERIFY SLOPES PRIOR TO ORDERING SLOPE ADAPTERS.			
EX1	SURE LITE #LFX-7-SD LITHONIA #LQMS-W-3-R-120/277-EL-N-SD DUAL LITE #EVE-U-RW-E-1	1	UNIVERSAL				120-277V, WHITE POLYCARBONATE SELF POWERED EXIT SIGN WITH RED LETTERS AND NICKEL CADMIUM BATTERY. EXIT SIGN SHALL HAVE SELF DIAGNOSTIC, UL LISTED			
REMARKS:										

LIGHTING SENSOR SCHEDULE					
TAG	MANUFACTURER'S CATALOG NUMBER	INPUT VOLTAGE	MOUNT	REMARKS	
O1	VARI-LITE #VISION.NET-40059HB	24V	CEILING	DUAL TECHNOLOGY CEILING SENSOR. SENSOR TO BE EQUIPPED WITH SELF ADJUSTING TECHNOLOGY AND ISOLATED RELAY OUTPUTS. SENSOR SHALL OPERATE IN CONJUNCTION WITH VISION NET LIGHTING CONTROL SYSTEM.	
REMARKS:					
1. PROVIDE POWER PACKS AND EMERGENCY LIGHTING CONTROL UNITS AS REQUIRED TO OPERATE LIGHTING AS SHOWN ON FLOOR PLANS					
2. 120/277V SENSOR IN LIEU OF POWER PACK IS ACCEPTABLE.					
GENERAL NOTES:					
1. CEILING MOUNTED OCCUPANCY SENSORS SHALL BE INSTALLED 6'-0" AWAY FROM ANY SUPPLY DIFFUSERS, COORDINATE WITH MECHANICAL CONTRACTOR.					