

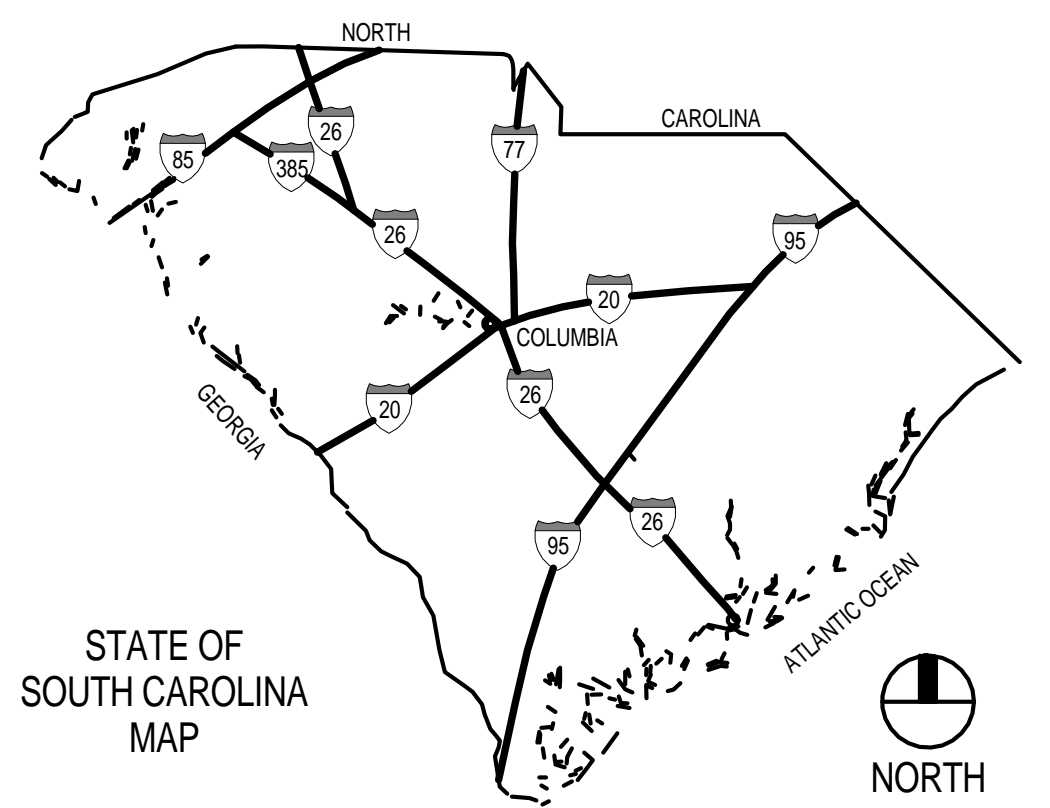
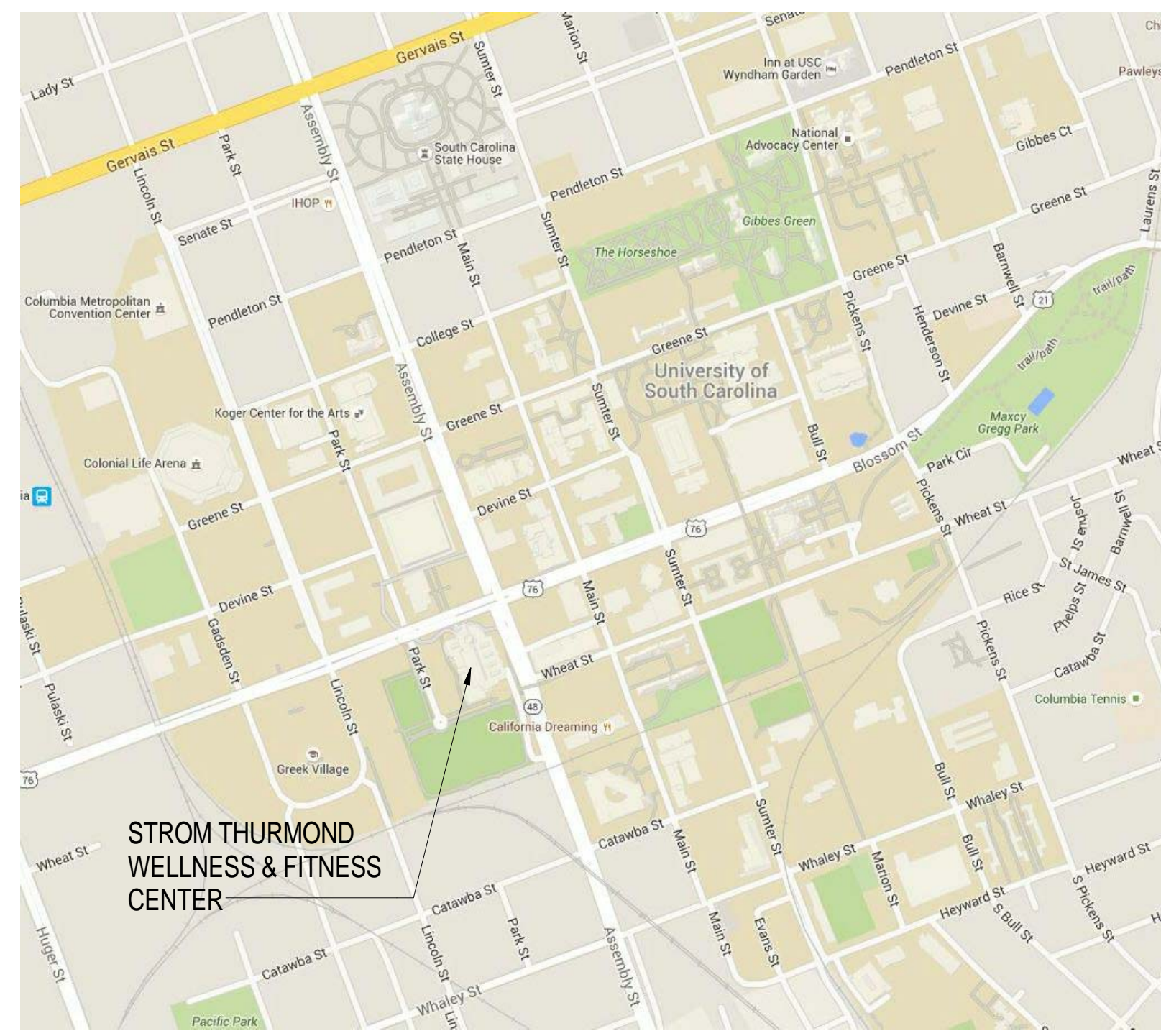
UNIVERSITY OF SOUTH CAROLINA STROM THURMOND SIGNAGE - ELECTRICAL PACKAGE

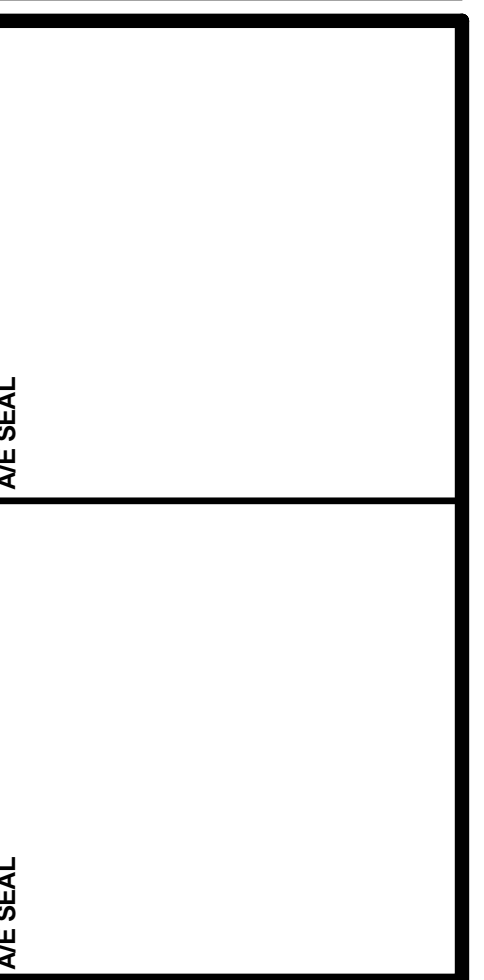
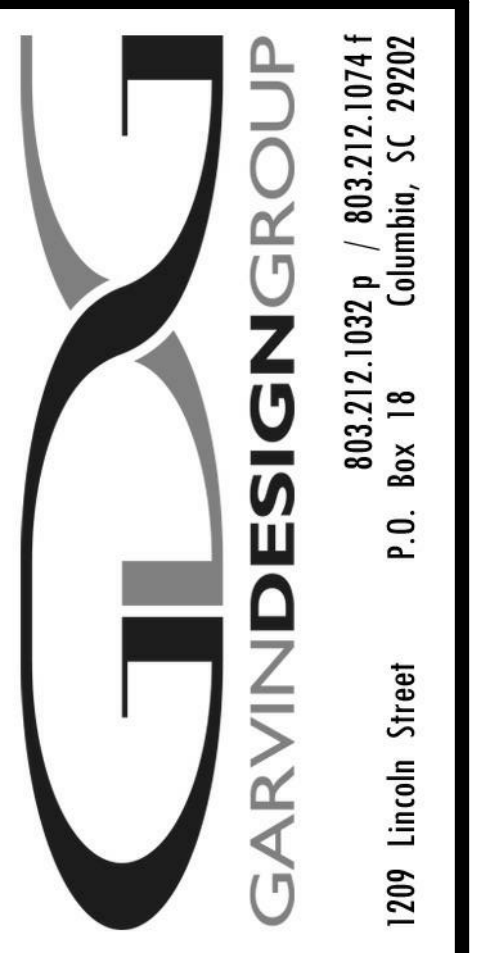
BID DOCUMENTS

07 MAY 2016

1000 BLOSSOM STREET
COLUMBIA, SOUTH CAROLINA 29201

Architect's Project Number: U396.15

<p>STATE LOCATION MAP</p>  <p>STATE OF SOUTH CAROLINA MAP</p>	<p>LOCATION MAP</p>  <p>STROM THURMOND WELLNESS & FITNESS CENTER</p>	<p>INDEX TO DRAWINGS</p> <table border="1"> <tr> <td>T1.1</td> <td>TITLE SHEET & INDEX TO DRAWINGS</td> </tr> <tr> <td>E1.1</td> <td>ELECTRICAL</td> </tr> <tr> <td>E2.1</td> <td>LEVEL 1 - ELECTRICAL PLAN</td> </tr> <tr> <td></td> <td>LEVEL 2 - ELECTRICAL PLAN</td> </tr> </table>	T1.1	TITLE SHEET & INDEX TO DRAWINGS	E1.1	ELECTRICAL	E2.1	LEVEL 1 - ELECTRICAL PLAN		LEVEL 2 - ELECTRICAL PLAN	
T1.1	TITLE SHEET & INDEX TO DRAWINGS										
E1.1	ELECTRICAL										
E2.1	LEVEL 1 - ELECTRICAL PLAN										
	LEVEL 2 - ELECTRICAL PLAN										



PROJECT TITLE
STROM THURMOND SIGNAGE - ELECTRICAL PACKAGE

1000 Blossom Street
Columbia, SC 29201

NO.	REVISIONS	DATE

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DRAWING TITLE
TITLE SHEET & INDEX TO DRAWINGS

PROJECT NO. U396.15
 DATE 05.07.16
 DRAWING NO. **T1.1**

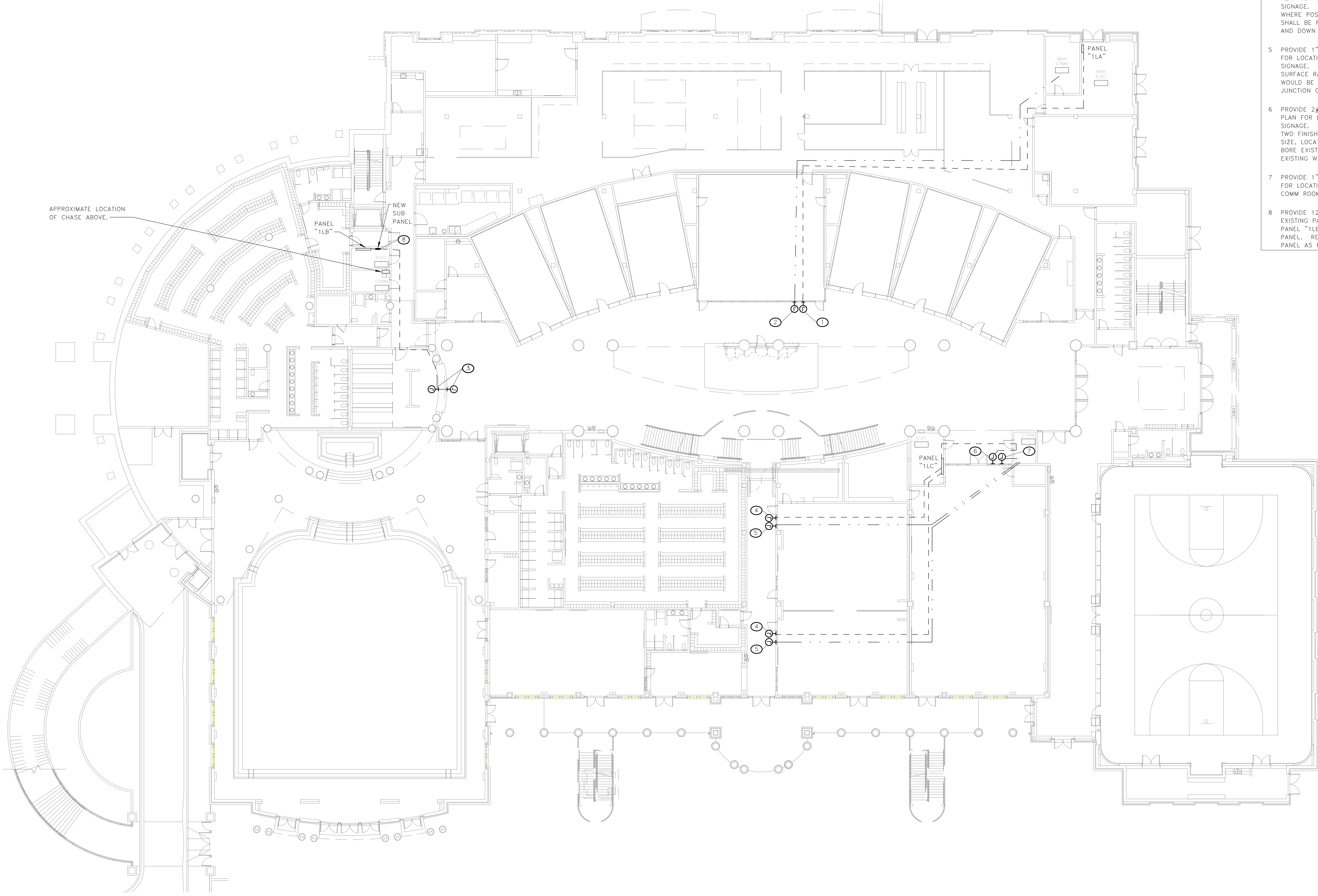
ELECTRICAL SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	JUNCTION BOX (WALL MTD)
	EXISTING WALL MOUNTED LIGHT FIXTURE TO BE REMOVED
	EXISTING UPLIGHT SIGN FIXTURE TO BE REMOVED
	ELECTRICAL CONDUIT/CONDUCTORS
	DATA CABLING CONDUIT WITH PULL STRING

GENERAL NOTES

- ALL CONDUITS/CABLING SHALL BE SUPPORTED PER NEC STANDARDS. PATCH ANY CEILING PENETRATIONS MADE. PROVIDE FIRESTOPPING AT ALL CONDUIT PENETRATIONS THROUGH EXISTING FIRE RATED WALLS.
- ALL SURFACE MOUNTED RACEWAY (WIREMOLD #23000BACD - POWER AND DATA OR WIREMOLD #400BAC - POWER ONLY) SHALL BE COORDINATED WITH ARCHITECT PRIOR TO MOUNTING.
- PROVIDE 20 AMP BREAKERS IN EXISTING PANELS AS NECESSARY FOR ALL WORK. CONTRACTOR SHALL FIELD VERIFY AVAILABLE SPACE IN EXISTING PANELS AND NOTIFY ENGINEER IMMEDIATELY IF NO AVAILABLE SPACE IS PRESENT.

KEY NOTES

- PROVIDE 2#12, 1#12 GND. IN 3/4" C. FROM EXISTING PANEL "1LA" (SEE PLAN FOR LOCATION) TO JUNCTION BOX AT THIS LOCATION FOR DIGITAL SIGNAGE. ROUTE CONDUIT ABOVE ACCESSIBLE CEILING/ HARD CEILING WHERE POSSIBLE. ROUTE CONDUIT/CONDUCTORS INSIDE OF MULLION (COORDINATE EXACT ROUTING WITH ARCHITECT PRIOR TO ANY WORK).
- PROVIDE 1" CONDUIT WITH PULL STRING FROM COMM ROOM (SEE PLAN FOR LOCATION) TO JUNCTION BOX AT THIS LOCATION FOR DIGITAL SIGNAGE. ROUTE CONDUIT ABOVE ACCESSIBLE CEILING/HARD CEILING WHERE POSSIBLE. ROUTE CONDUIT INSIDE OF MULLION (COORDINATE EXACT ROUTING WITH ARCHITECT PRIOR TO ANY WORK).
- PROVIDE 2#12, 1#12 GND. IN 3/4" C. FROM EXISTING PANEL "1LB" (SEE PLAN FOR LOCATION) TO JUNCTION BOX AT THIS LOCATION FOR LED BACKLIT SIGNAGE ABOVE EQUIPMENT CHECK-OUT COUNTER. ROUTE CONDUIT/CONDUCTORS ABOVE ACCESSIBLE CEILING WHERE POSSIBLE. ROUTE CONDUCTORS IN SURFACE MOUNTED RACEWAY HIDDEN FROM VIEW BEHIND HEADER ABOVE EQUIPMENT COUNTER. PROVIDE JUNCTION BOX MOUNTED BEHIND HEADER AND POKE THRU HEADER TO REACH JUNCTION BOX FOR SIGNAGE.
- PROVIDE 2#12, 1#12 GND. IN 3/4" C. FROM EXISTING PANEL "1LC" (SEE PLAN FOR LOCATION) TO JUNCTION BOX AT THIS LOCATION FOR DIGITAL SIGNAGE. ROUTE CONDUIT/CONDUCTORS ABOVE ACCESSIBLE CEILING WHERE POSSIBLE. WHERE CONDUIT WOULD BE EXPOSED CONDUCTORS SHALL BE ROUTED IN SURFACE RACEWAY IN JUNCTION OF WALL/CEILING AND DOWN EXISTING WINDOW MULLION.
- PROVIDE 1" CONDUIT WITH PULL STRING FROM COMM ROOM (SEE PLAN FOR LOCATION) TO JUNCTION BOX AT THIS LOCATION FOR DIGITAL SIGNAGE. ROUTE CONDUIT ABOVE ACCESSIBLE CEILING WHERE POSSIBLE. SURFACE RACEWAY SHALL BE USED IN LIEU OF CONDUIT WHERE CONDUIT WOULD BE EXPOSED. SURFACE RACEWAY SHALL BE MOUNTED IN JUNCTION OF WALL/CEILING AND DOWN EXISTING WINDOW MULLION.
- PROVIDE 2#12, 1#12 GND. IN 3/4" C. FROM EXISTING PANEL "1LC" (SEE PLAN FOR LOCATION) TO JUNCTION BOX AT THIS LOCATION FOR DIGITAL SIGNAGE. ROUTE CONDUIT/CONDUCTORS ABOVE HARD CEILING. PROVIDE TWO FINISHED ACCESS PANELS IN HARD CEILING - COORDINATE EXACT SIZE, LOCATIONS AND FINISHES WITH ARCHITECT PRIOR TO ANY WORK. BORE EXISTING COMM ROOM WALL AND PROVIDE NIPPLE BETWEEN EXISTING WALL AND DIGITAL SIGNAGE.
- PROVIDE 1" CONDUIT WITH PULL STRING FROM COMM ROOM (SEE PLAN FOR LOCATION) TO DIGITAL SIGNAGE AT THIS LOCATION. BORE EXISTING COMM ROOM WALL AND PROVIDE NIPPLE FROM WALL TO DIGITAL SIGNAGE.
- PROVIDE 12 CIRCUIT, 120/208V 3 PHASE. SUB PANEL FED FROM EXISTING PANEL "1LB". PROVIDE 30A 3-POLE BREAKER IN EXISTING PANEL "1LB" WITH 4#10, 1#10GND IN 3/4" C. TO FEED NEW SUB PANEL. RELOCATE EXISTING BREAKERS FROM PANEL "1LB" TO NEW SUB PANEL AS NECESSARY. MOUNTING SHALL BE IN ACCORDANCE NEC.



1 LEVEL 1 - ELECTRICAL PLAN
E1.1 SCALE: 1/16" = 1'-0"

#	ELECTRICAL DRAWING INDEX SHEET NAME
E1.1	LEVEL 1 - ELECTRICAL PLAN
E2.1	LEVEL 2 - ELECTRICAL PLAN

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 1209 Lincoln Street

BELKA ENGINEERING ASSOC. INC.
 No. C00553
 STATE OF SOUTH CAROLINA
 PROFESSIONAL ENGINEER
 LICENSE NO. 2618

PROJECT TITLE
 STROM THURMOND SIGNAGE - ELECTRICAL PACKAGE
 1000 Blossom Street
 Columbia, SC 29201

NO.	REVISIONS	DATE

DRAWN BY: JJA
CHECKED BY: JJA
 I HEREBY CERTIFY THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF SOUTH CAROLINA AND THAT I AM THE DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN OF THIS PROJECT.

PROJECT NO. U0815
DATE 06.07.18
DRAWING NO. E1.1

5/6/2016 11:34:20 AM

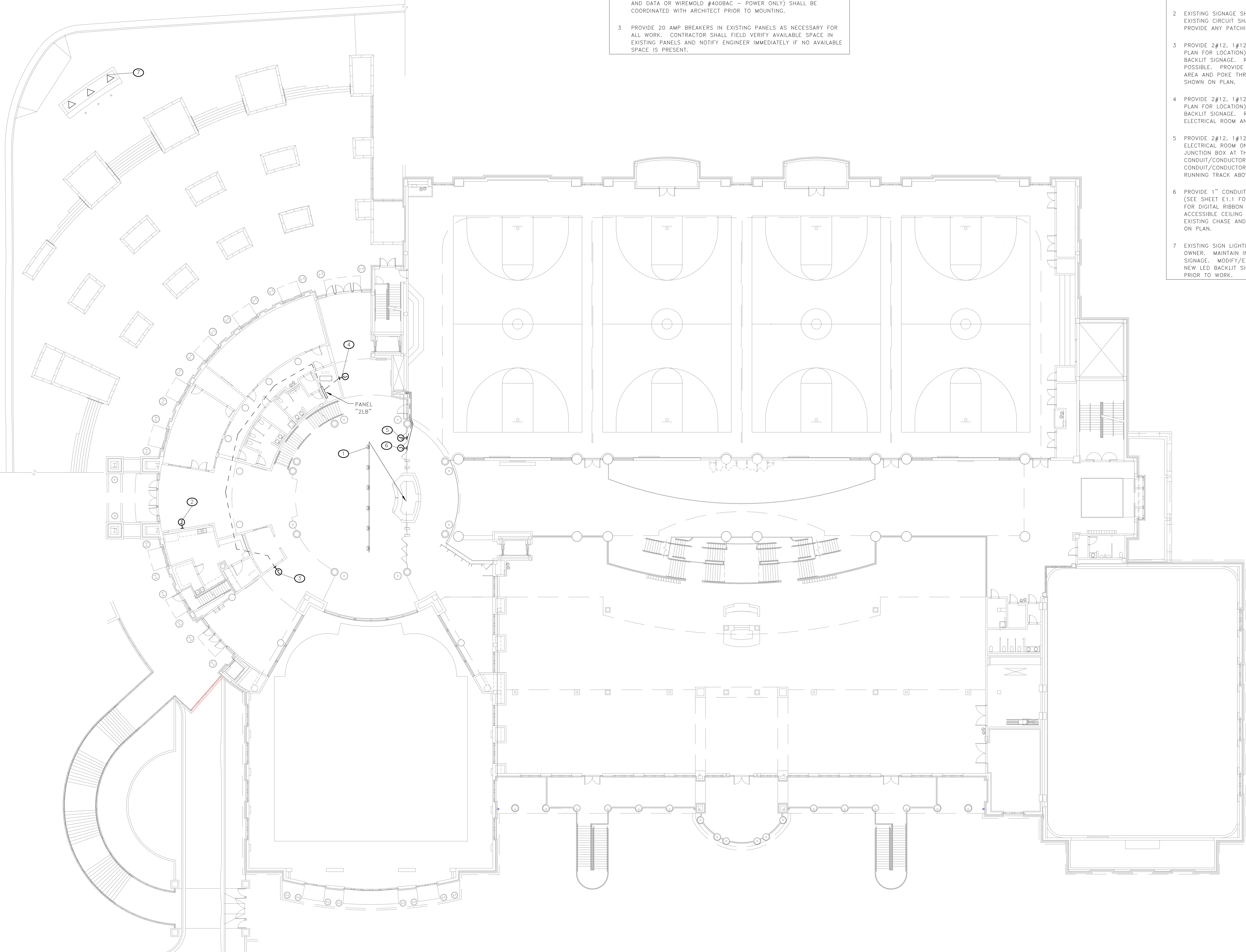
1 LEVEL 2 - ELECTRICAL PLAN
E2.1 SCALE: 1/16" = 1'-0"

GENERAL NOTES

- 1 ALL CONDUITS/CABLING SHALL BE SUPPORTED PER NEC STANDARDS. PATCH ANY CEILING PENETRATIONS MADE. PROVIDE FIRESTOPPING AT ALL CONDUIT PENETRATIONS THROUGH EXISTING FIRE RATED WALLS.
- 2 ALL SURFACE MOUNTED RACEWAY (WIREMOLD #23000BACD - POWER AND DATA OR WIREMOLD #400BAC - POWER ONLY) SHALL BE COORDINATED WITH ARCHITECT PRIOR TO MOUNTING.
- 3 PROVIDE 20 AMP BREAKERS IN EXISTING PANELS AS NECESSARY FOR ALL WORK. CONTRACTOR SHALL FIELD VERIFY AVAILABLE SPACE IN EXISTING PANELS AND NOTIFY ENGINEER IMMEDIATELY IF NO AVAILABLE SPACE IS PRESENT.

KEY NOTES

- 1 SIX EXISTING WALL FIXTURES MOUNTED ABOVE SIGN-IN DESK SHALL BE REMOVED AND TURNED OVER TO OWNER. MAINTAIN INTEGRITY OF LIGHTING CIRCUIT. PROVIDE ANY CONNECTIONS NECESSARY TO MAINTAIN EXISTING CONTROLS/CONNECTIONS TO LIGHTING FIXTURES REMAINING ON THIS CIRCUIT.
- 2 EXISTING SIGNAGE SHALL BE REMOVED AND TURNED OVER TO OWNER. EXISTING CIRCUIT SHALL BE REUSED FOR NEW LED BACKLIT SIGNAGE. PROVIDE ANY PATCHING/PAINTING NECESSARY ON EXISTING WALL.
- 3 PROVIDE 2#12, 1#12 GND. IN 3/4" C. FROM EXISTING PANEL "2LB" (SEE PLAN FOR LOCATION) TO JUNCTION BOX AT THIS LOCATION FOR LED BACKLIT SIGNAGE. ROUTE CONDUIT ABOVE ACCESSIBLE CEILING WHERE POSSIBLE. PROVIDE SURFACE RACEWAY MOUNTED ON WALL IN VENDING AREA AND POKE THROUGH EXISTING WALL TO WHERE JUNCTION BOX IS SHOWN ON PLAN.
- 4 PROVIDE 2#12, 1#12 GND. IN 3/4" C. FROM EXISTING PANEL "2LB" (SEE PLAN FOR LOCATION) TO JUNCTION BOX AT THIS LOCATION FOR LED BACKLIT SIGNAGE. ROUTE CONDUIT THROUGH EXISTING WALL BETWEEN ELECTRICAL ROOM AND VESTIBULE.
- 5 PROVIDE 2#12, 1#12 GND. IN 3/4" C. FROM EXISTING PANEL "1LB" IN ELECTRICAL ROOM ON LEVEL 1 (SEE SHEET E1.1 FOR LOCATION) TO JUNCTION BOX AT THIS LOCATION FOR DIGITAL RIBBON SIGNAGE. ROUTE CONDUIT/CONDUCTORS ABOVE ACCESSIBLE CEILING WHERE POSSIBLE. CONDUIT/CONDUCTORS SHALL BE ROUTED IN EXISTING CHASE AND BELOW RUNNING TRACK ABOVE LEVEL 2 AS SHOWN ON PLAN.
- 6 PROVIDE 1" CONDUIT WITH PULL STRING FROM COMM ROOM ON LEVEL 1 (SEE SHEET E1.1 FOR LOCATION) TO JUNCTION BOX AT THIS LOCATION FOR DIGITAL RIBBON SIGNAGE. ROUTE CONDUIT/DATA CABLING ABOVE ACCESSIBLE CEILING WHERE POSSIBLE. CONDUIT SHALL BE ROUTED IN EXISTING CHASE AND BELOW RUNNING TRACK ABOVE LEVEL 2 AS SHOWN ON PLAN.
- 7 EXISTING SIGN LIGHTING SHALL BE REMOVED AND TURNED OVER TO OWNER. MAINTAIN INTEGRITY OF CIRCUIT TO BE REUSED FOR NEW SIGNAGE. MODIFY/EXTEND EXISTING CONDUIT/CONDUCTORS TO BELOW NEW LED BACKLIT SIGNAGE. COORDINATE EXACT ROUTING WITH ARCHITECT PRIOR TO WORK.



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STATE OF SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
L. AREHART
No. 2618

PROJECT TITLE
STROM THURMOND SIGNAGE - ELECTRICAL PACKAGE
1000 Blossom Street
Columbia, SC 29201

NO.	REVISIONS	DATE

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DRAWING TITLE
LEVEL 2 - ELECTRICAL PLAN
DRAWING NO.
E2.1