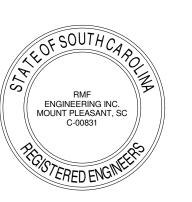
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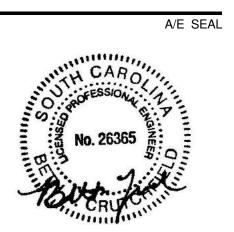




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CORPORATE SEAL





PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

SOFTBALL STADIUM CONSTRUCTION

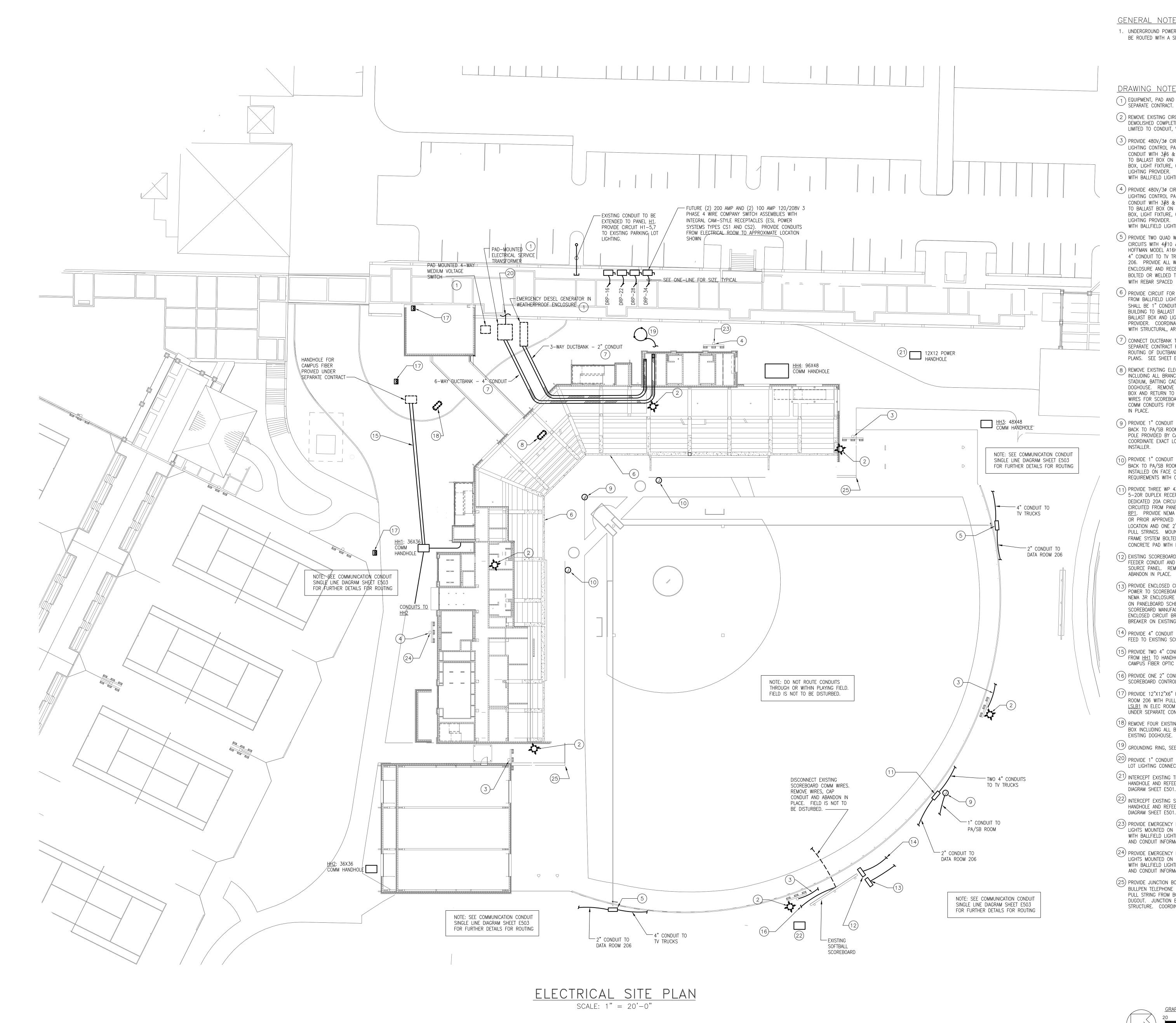
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necked By	BAC
ate Project No.	H27-6088-MJ
	TITLE

ELECTRICAL LEGEND AND ABBREVIATIONS

ENNO SHEET N



GENERAL NOTES:

1. UNDERGROUND POWER CONDUITS AND COMMUNICATION CONDUITS SHALL BE ROUTED WITH A SEPARATION OF NO LESS THAN 24".

DRAWING NOTES:

- 1 EQUIPMENT, PAD AND STUBBED OUT CONDUITS PROVIDED UNDER
- (2) REMOVE EXISTING CIRCUIT FOR EXISTING BALLFIELD LIGHTS TO BE DEMOLISHED COMPLETE BACK TO SOURCE PANEL INCLUDING BUT NOT LIMITED TO CONDUIT, WIRE, SUPPORTS, HANDHOLES, PULL BOXES, ETC.
- (3) PROVIDE 480V/3Ø CIRCUIT FOR BALLFIELD LIGHTS FROM BALLFIELD LIGHTING CONTROL PANEL IN ELEC ROOM 120. CIRCUIT SHALL BE 1" CONDUIT WITH 3#6 & 1#10G ROUTED UNDERGROUND AND AROUND FIELD TO BALLAST BOX ON LIGHTING POLE. LIGHTING CONTROL PANEL, BALLAST BOX, LIGHT FIXTURE, CONCRETE BASE AND POLE PROVIDED BY BALLFIELD LIGHTING PROVIDER. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH BALLFIELD LIGHTING PROVIDER.
- (4) PROVIDE 480V/3ø CIRCUIT FOR BALLFIELD LIGHTS FROM BALLFIELD LIGHTING CONTROL PANEL IN ELEC ROOM 120. CIRCUIT SHALL BE 1" CONDUIT WITH 3#8 & 1#10G ROUTED UNDERGROUND AND AROUND FIELD TO BALLAST BOX ON LIGHTING POLE. LIGHTING CONTROL PANEL, BALLAST BOX, LIGHT FIXTURE, CONCRETE BASE AND POLE PROVIDED BY BALLFIELD LIGHTING PROVIDER. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH BALLFIELD LIGHTING PROVIDER.
- (5) PROVIDE TWO QUAD WP RECEPTACLES FROM PANEL RP1 FROM TWO 20A CIRCUITS WITH 4#10 & 2#10G. PROVIDE NEMA 4XSS ENCLOSURE HOFFMAN MODEL A16H16O6SSLP OR PRIOR APPROVED EQUAL WITH ONE 4" CONDUIT TO TV TRUCK LOCATION AND ONE 2" CONDUIT TO DATA ROOM 206. PROVIDE ALL WITH PULL STRINGS. PROVIDE AND MOUNT ENCLOSURE AND RECEPTACLES AT 7' AFG TO UNISTRUT FRAME SYSTEM BOLTED OR WELDED TOGETHER AND BOLTED TO 6" THICK CONCRETE PAD WITH REBAR SPACED 12" ON CENTER.
- (6) PROVIDE CIRCUIT FOR BALLFIELD LIGHTS MOUNTED ON ROOF CANOPY FROM BALLFIELD LIGHTING CONTROL PANEL IN ELEC ROOM 120. CIRCUIT SHALL BE 1" CONDUIT WITH 3#6 & 1#10G ROUTED THROUGH THE BUILDING TO BALLAST BOX ON LIGHT FIXTURE. LIGHTING CONTROL PANEL, BALLAST BOX AND LIGHT FIXTURE PROVIDED BY BALLFIELD LIGHTING PROVIDER. COORDINATE EXACT LOCATIONS, REQUIREMENTS AND ROUTING WITH STRUCTURAL, ARCHECTURAL AND BALLFIELD LIGHTING INSTALLER.
- (7) CONNECT DUCTBANK TO STUBBED OUT CONDUITS PROVIDED UNDER SEPARATE CONTRACT FOR EQUIPMENT INDICATED. COORDINATE EXACT ROUTING OF DUCTBANKS WITH CIVIL, STRUCTURAL AND ARCHITECTURAL PLANS. SEE SHEET E401 FOR DUCTBANK DETAILS.
- (8) REMOVE EXISTING ELECTRICAL PANEL FEEDING EXISTING PRESS BOX INCLUDING ALL BRANCH CIRCUITS TO PRESS BOX, CONCESSIONS STAND, STADIUM, BATTING CAGE, ETC AND FEEDER CIRCUIT BACK TO EXISTING DOGHOUSE. REMOVE EXISTING SCOREBOARD CONTROLLERS FROM PRESS BOX AND RETURN TO OWNER. REMOVE EXISTING POWER AND COMM WIRES FOR SCOREBOARD COMPLETE. REMOVE EXISTING POWER AND COMM CONDUITS FOR SCOREBOARD TO BELOW GRADE, CAP AND ABANDON
- (9) PROVIDE 1" CONDUIT WITH ONE RG6 CABLE AND ONE 2PR 24AWG CABLE BACK TO PA/SB ROOM FOR USC COACH'S CAMERA. ROUTE CONDUIT UP POLE PROVIDED BY CAMERA INSTALLER TO HEIGHT OF CAMERA LOCATION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH CAMERA
- (10) PROVIDE 1" CONDUIT WITH ONE RG6 CABLE AND ONE 2PR 24AWG CABLE BACK TO PA/SB ROOM FOR USC COACH'S CAMERA. CAMERA SHALL BE INSTALLED ON FACE OF DUGOUT. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH CAMERA INSTALLER.
- (11) PROVIDE THREE WP 4X4 RECEPTACLE BOXES EACH WITH TWO NEMA 5-20R DUPLEX RECEPTACLES. EACH DUPLEX RECEPTACLE SHALL HAVE A DEDICATED 20A CIRCUIT WITH 3/4" CONDUIT AND 2#10 & 2#10G CIRCUITED FROM PANEL RP1 FOR A TOTAL OF SIX CIRCUITS FROM PANEL RP1. PROVIDE NEMA 4XSS ENCLOSURE HOFFMAN MODEL A16H1606SSLP OR PRIOR APPROVED EQUAL WITH TWO 4" CONDUITS TO TV TRUCK LOCATION AND ONE 2" CONDUIT TO DATA ROOM 206. PROVIDE ALL WITH PULL STRINGS. MOUNT ENCLOSURE AND RECEPTACLES TO UNISTRUT FRAME SYSTEM BOLTED OR WELDED TOGETHER AND BOLTED TO 6" THICK CONCRETE PAD WITH REBAR SPACED 12" ON CENTER.
- (12) EXISTING SCOREBOARD BRANCH PANEL TO REMAIN. DISCONNECT EXISTING FEEDER CONDUIT AND WIRES. REMOVE WIRES COMPLETE BACK TO SOURCE PANEL. REMOVE CONDUIT TO BELOW GRADE, CAP CONDUIT AND ABANDON IN PLACE.
- 1.3) PROVIDE ENCLOSED CIRCUIT BREAKER AND CIRCUIT FOR EMERGENCY POWER TO SCOREBOARD. PROVIDE 30A, 2P BRANCH CIRCUIT BREAKER IN NEMA 3R ENCLOSURE WITH CONDUIT AND WIRES WITH NEUTRAL AS SHOWN ON PANELBOARD SCHEDULE 'LSLB1'. COORDINATE WITH OWNER AND SCOREBOARD MANUFACTURER. OWNER SHALL MAKE CONNECTIONS FROM ENCLOSED CIRCUIT BREAKER TO SCOREBOARD. MOUNT ENCLOSED CIRCUIT BREAKER ON EXISTING UNISTRUT ON SCOREBOARD COLUMN.
- (14) provide 4" conduit with 4#1 & 1#8G to panel <u>DRP</u> for power FEED TO EXISTING SCOREBOARD BRANCH PANEL.
- (15) PROVIDE TWO 4" CONDUITS IN A 2-WAY DUCTBANK WITH PULL STRINGS FROM HH1 TO HANDHOLE PROVIDED UNDER SEPARATE CONTRACT FOR CAMPUS FIBER OPTIC CABLES.
- (16) PROVIDE ONE 2" CONDUIT WITH PULL STRING TO PA/SB ROOM FOR SCOREBOARD CONTROL.
- (17) PROVIDE 12"X12"X6" HANDHOLE WITH ONE 1" CONDUIT ROUTED TO DATA ROOM 206 WITH PULL STRING AND POWER CIRCUIT #18 FROM PANEL LSLB1 IN ELEC ROOM 120 FOR EMERGENCY CALL STATION PROVIDED UNDER SEPARATE CONTRACT.
- (18) REMOVE FOUR EXISTING ELECTRICAL PANELS FEEDING EXISTING OLD PRESS BOX INCLUDING ALL BRANCH CIRCUITS AND FEEDER CIRCUIT BACK TO
- (19) GROUNDING RING, SEE DETAIL 2/E401.
- (20) PROVIDE 1" CONDUIT WITH 2#10 & 1#10(G) FOR TEMPORARY PARKING LOT LIGHTING CONNECTION.
- (21) INTERCEPT EXISTING TRACK FIELD WIRE AND CONDUIT AND PROVIDE HANDHOLE AND REFEED WITH CIRCUIT AS INDICATED ON SINGLE LINE DIAGRAM SHEET E501.
- (22) INTERCEPT EXISTING SOCCER FIELD WIRE AND CONDUIT AT EXISTING HANDHOLE AND REFEED WITH CIRCUIT AS INDICATED ON SINGLE LINE DIAGRAM SHEET E501.
- (23) PROVIDE EMERGENCY LIGHTING CIRCUIT LSHL1-9 TO QUARTZ EMERGENCY LIGHTS MOUNTED ON BALLFIELD POLE. COORDINATE EXACT LOCATION WITH BALLFIELD LIGHTING PROVIDER. SEE PANEL SCHEDULE FOR WIRE AND CONDUIT INFORMATION.
- (24) PROVIDE EMERGENCY LIGHTING CIRCUIT LSHL1-11 TO QUARTZ EMERGENCY LIGHTS MOUNTED ON BALLFIELD POLE. COORDINATE EXACT LOCATION WITH BALLFIELD LIGHTING PROVIDER. SEE PANEL SCHEDULE FOR WIRE AND CONDUIT INFORMATION.
- (25) PROVIDE JUNCTION BOX MOUNTED IN WEATHER PROOF ENCLOSURE FOR BULLPEN TELEPHONE FURNISHED BY OWNER. PROVIDE 1" CONDUIT WITH PULL STRING FROM BOX TO TELEPHONE LOCATION IN ASSOCIATED DUGOUT. JUNCTION BOX AND ENCLOSURE SHALL BE MOUNTED TO FENCE STRUCTURE. COORDINATE EXACT LOCATION WITH OWNER AND ARCHITECT.

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MT. PLEASANT, SC 29464

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SUITE 100

UNIVERSITY OF CAROLINA

PROJECT TITLE

SOFTBALL STADIUM CONSTRUCTION

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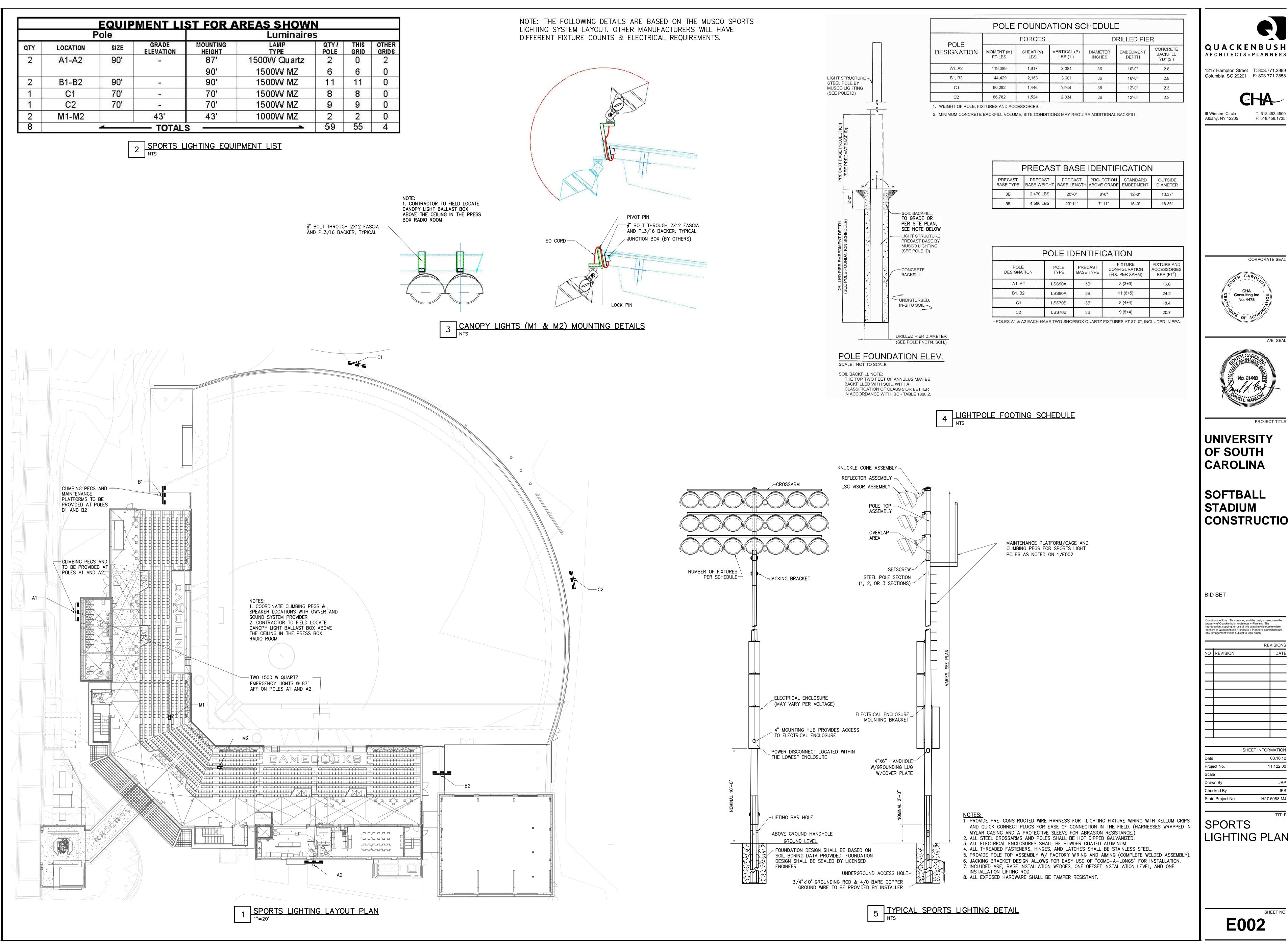
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Date	1	03.16.12

11.122.00 1" = 20'-0" Drawn By DAG Checked By

Electrical Site Plan

> SHEET NO. E001



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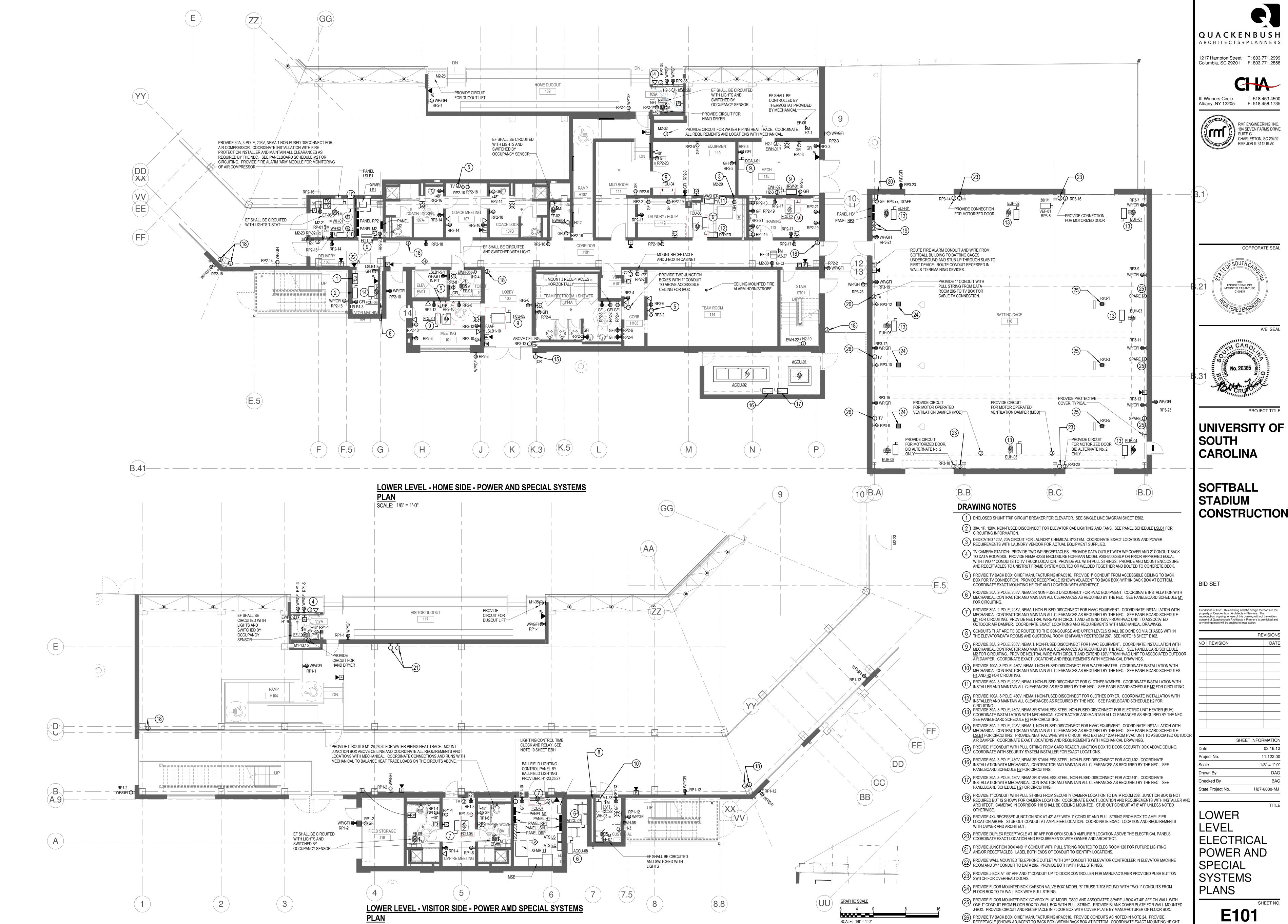
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LIGHTING PLAN



UNIT OF MEASURE: FEET

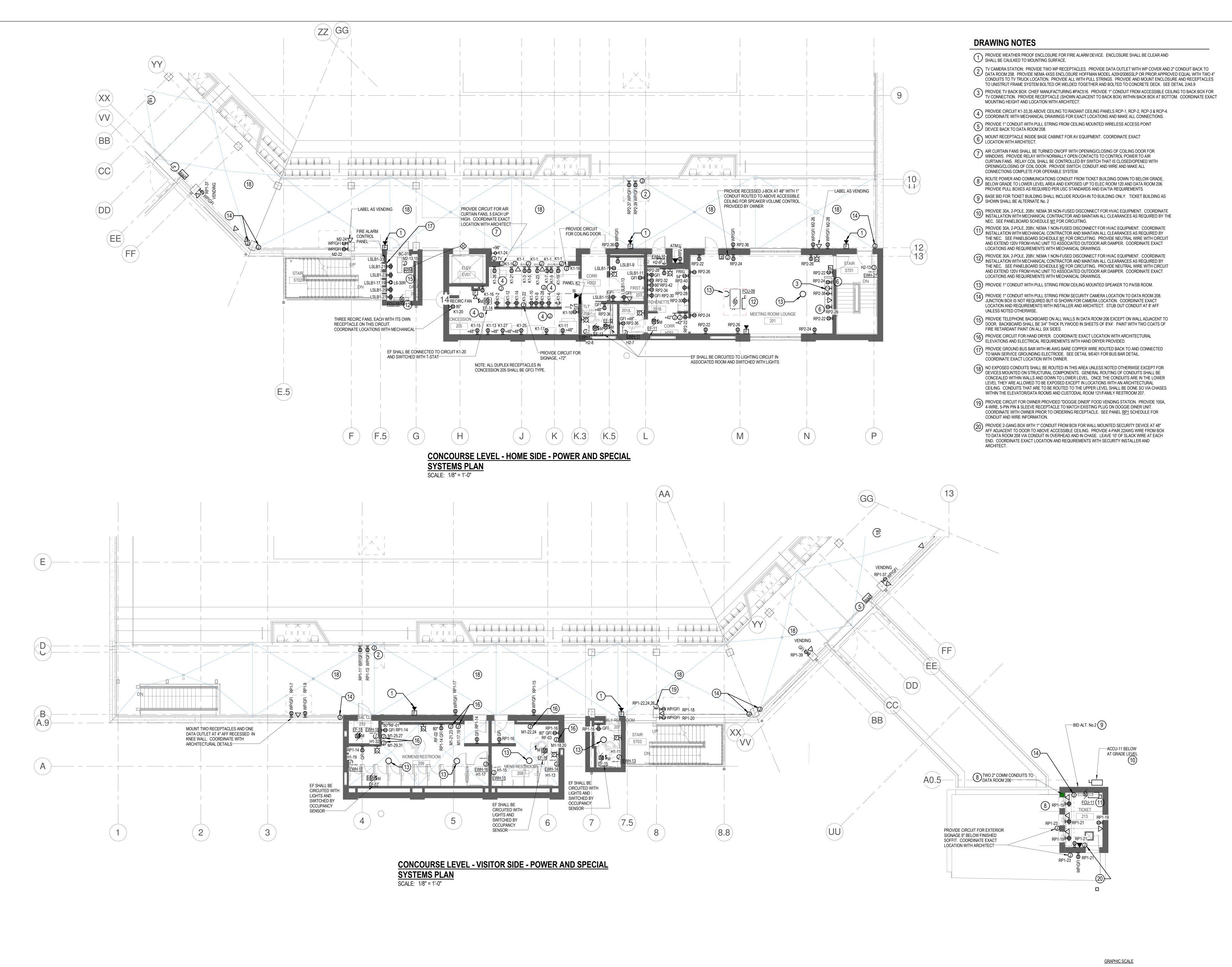
AND LOCATION WITH ARCHITECT.

SCALE: 1/8" = 1'-0"



CONSTRUCTION

SHEET INFORMATION 03.16.12 11.122.00 1/8" = 1'-0"



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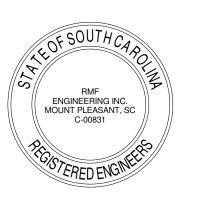
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No. 26365

PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

SOFTBALL STADIUM CONSTRUCTION

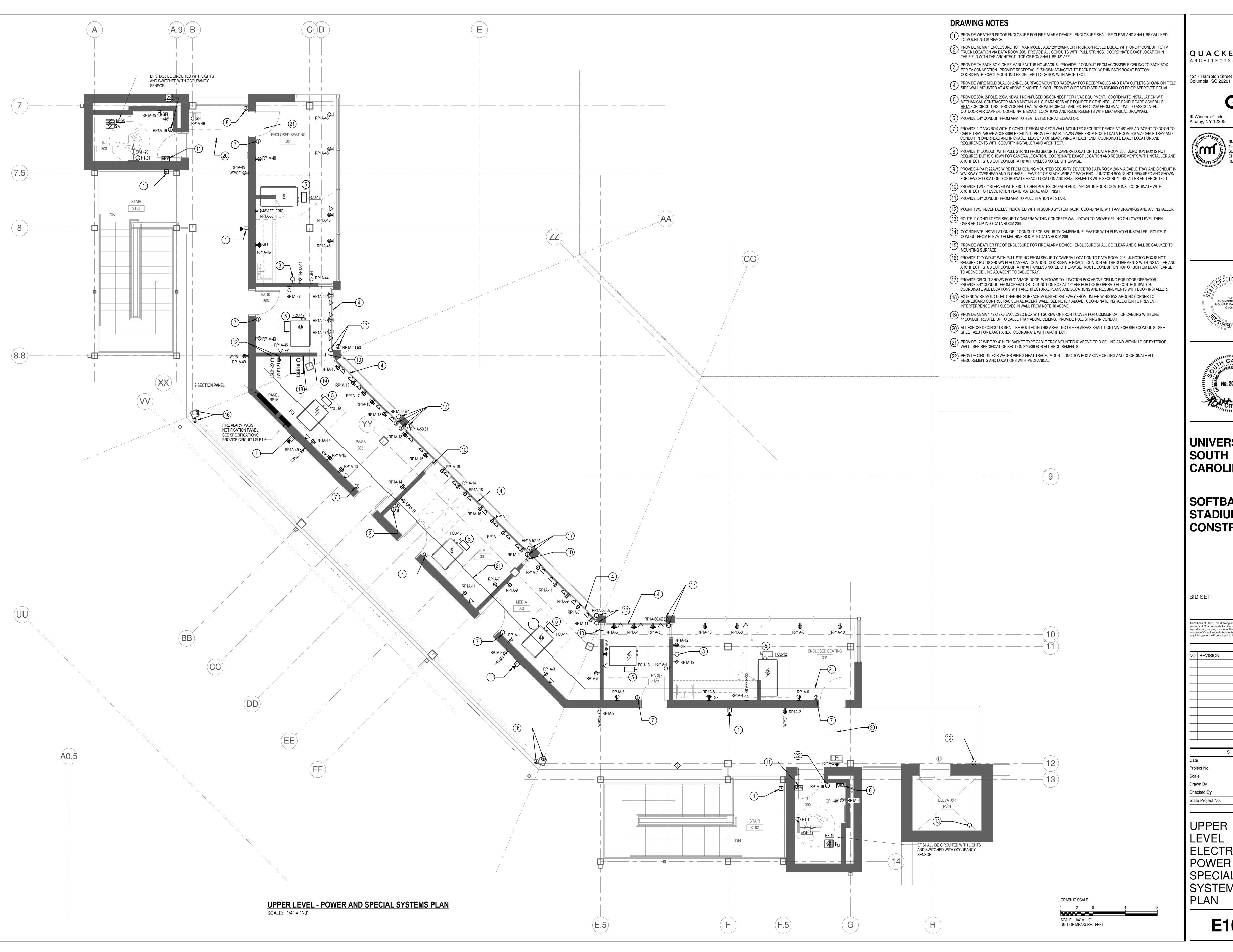
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CONCOURSE LEVEL ELECTRICAL POWER AND SPECIAL SYSTEMS PLANS

SCALE: 1/8" = 1'-0" UNIT OF MEASURE: FEET State Project No.

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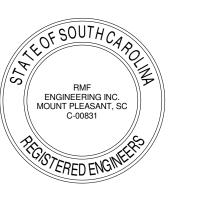
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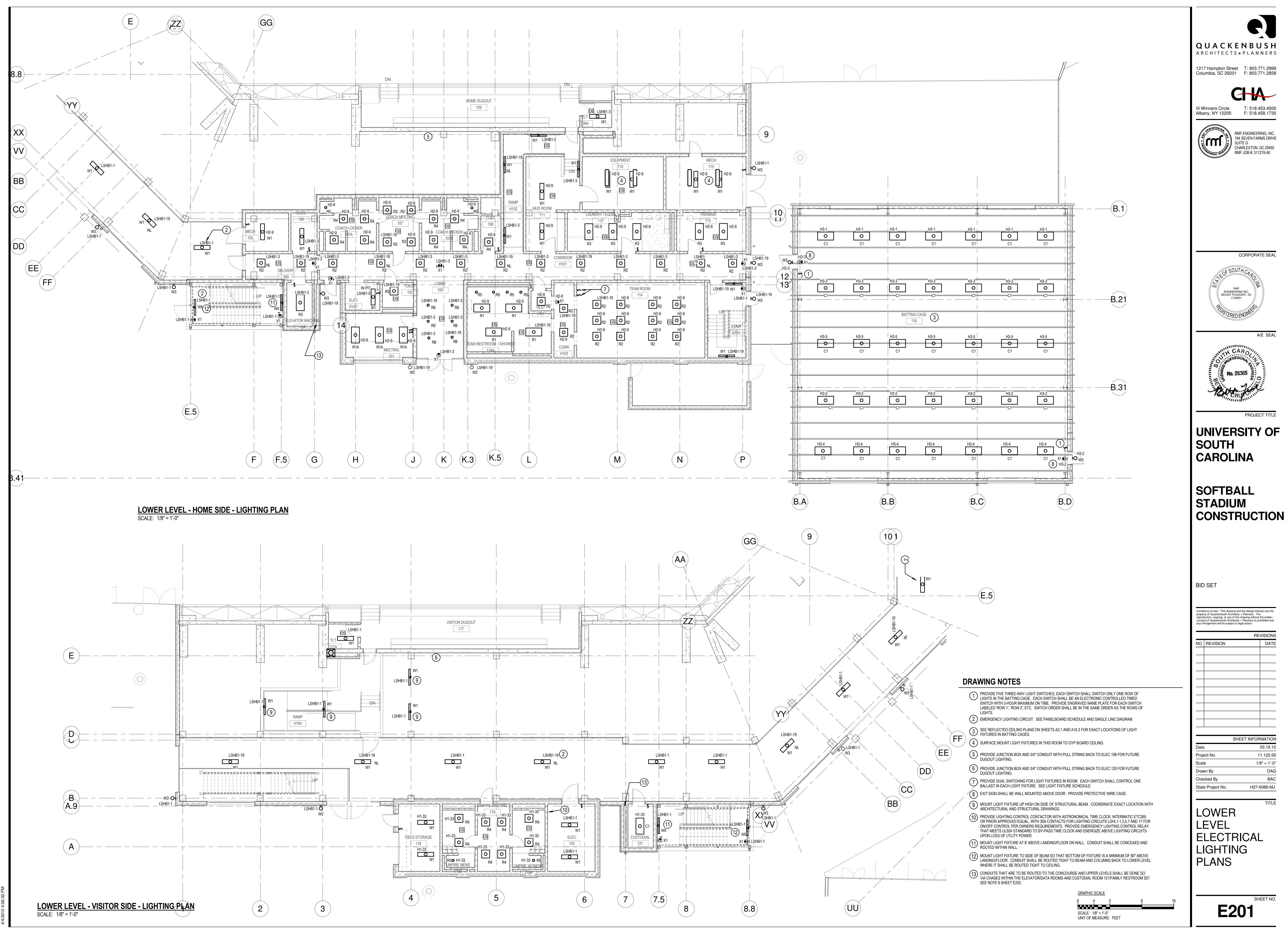
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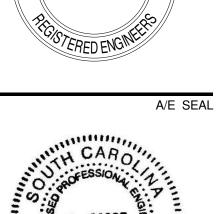
UPPER LEVEL ELECTRICAL POWER AND SPECIAL SYSTEMS

State Project No.

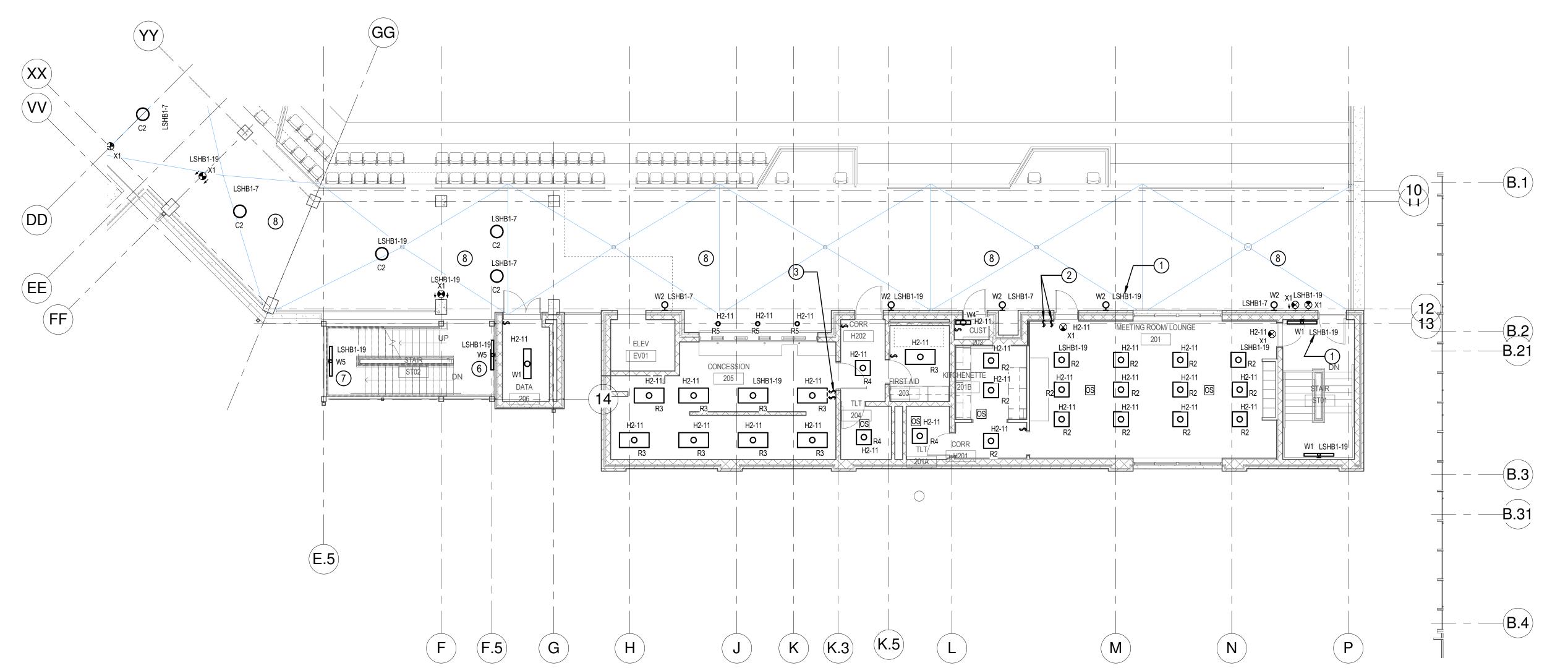
PLAN







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DRAWING NOTES

A0.5

- BASE BID FOR TICKET BUILDING SHALL INCLUDE ROUGH-IN TO BUILDING ONLY. TICKET BUILDING AS SHOWN SHALL BE ALTERNATE No. 2. ROUTE POWER CONDUIT FROM TICKET BUILDING DOWN TO
- 6 MOUNT LIGHT FIXTURE AT 8' ABOVE LANDING/FLOOR ON WALL. CONDUIT SHALL BE CONCEAED AND ROUTED WITHIN WALL.
- MOUNT LIGHT FIXTURE TO SIDE OF BEAM SO THAT BOTTOM OF FIXTURE IS A MINIMUM OF 80" ABOVE LANDING/FLOOR. CONDUIT SHALL BE ROUTED TIGHT TO BEAM AND COLUMNS BACK TO LOWER LEVEL WHERE IT SHALL BE ROUTED TIGHT TO CEILING.
- 8 NO EXPOSED CONDUITS SHALL BE ROUTED IN THIS AREA UNLESS NOTED OTHERWISE EXCEPT FOR DEVICES MOUNTED ON STRUCTURAL COMPONENTS, I.E. LIGHT FIXTURES. GENERAL ROUTING OF CONDUITS SHALL BE CONCEALED WITHIN WALLS AND DOWN TO LOWER LEVEL. ONCE THE CONDUITS ARE IN THE LOWER LEVEL THEY ARE ALLOWED TO BE EXPOSED EXCEPT ABOVE ARCHITECTURAL CEILING. CONDUITS THAT ARE TO BE ROUTED TO THE UPPER LEVEL SHALL BE DONE SO VIA CHASES WITHIN THE ELEVATOR/DATA ROOMS AND CUSTODIAL ROOM 121/FAMILY RESTROOM 207.

1 EMERGENCY LIGHTING CIRCUIT. SEE PANELBOARD SCHEDULE AND SINGLE LINE DIAGRAM.

PROVIDE DUAL SWITCHING FOR LIGHT FIXTURES IN ROOM. EACH SWITCH SHALL CONTROL ONE BALLAST IN EACH LIGHT FIXTURE. SEE LIGHT FIXTURE SCHEDULE.

(3) SWITCH FOR 'R5' LIGHTS OVER WINDOWS.

BELOW GRADE, BELOW GRADE TO LOWER LEVEL AREA AND TO ELEC ROOM 120. PROVIDE PULL BOXES AS REQUIRED PER NEC AND USC STANDARDS.

PROVIDE ARC-KEEPER FOR TWO 'P2' FIXTURES ON BRIDGE. MOUNT ARC-KEEPER IN WEATHERPROOF ENCLOSURE MOUNTED ON CEILING IN LOWER LEVEL AS CLOSE TO BRIDGE AS

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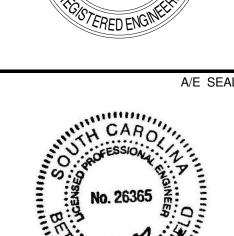
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SHEET INFORMATION 1/8" = 1'-0"

CONCOURSE LEVEL ELECTRICAL LIGHTING

PLANS

E202

CONCOURSE LEVEL - VISITOR SIDE - LIGHTING PLAN

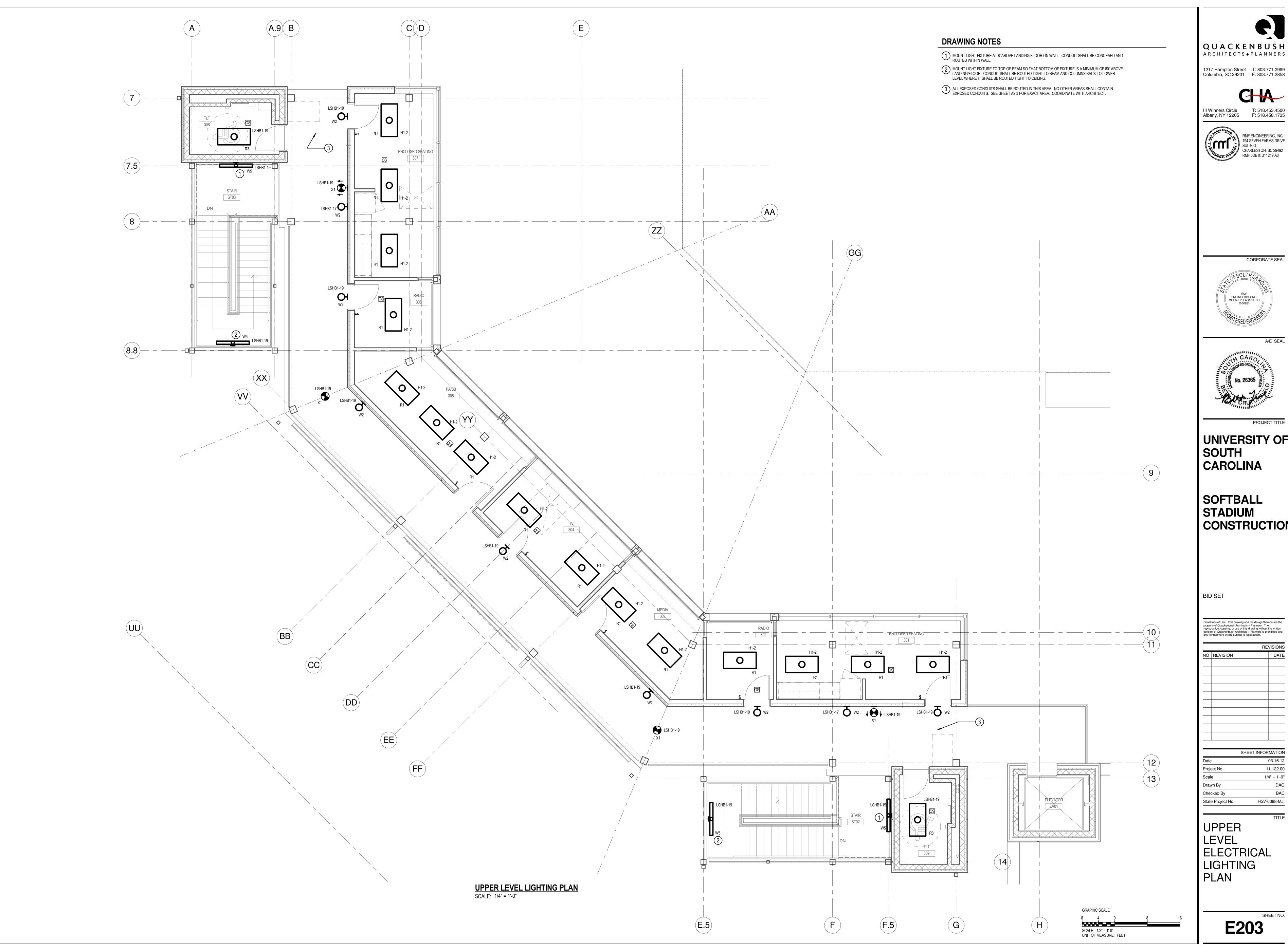
CONCOURSE LEVEL - HOME SIDE - LIGHTING PLAN

H1-35

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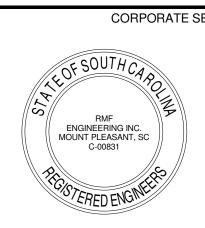
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GRAPHIC SCALE SCALE: 1/8" = 1'-0" UNIT OF MEASURE: FEET



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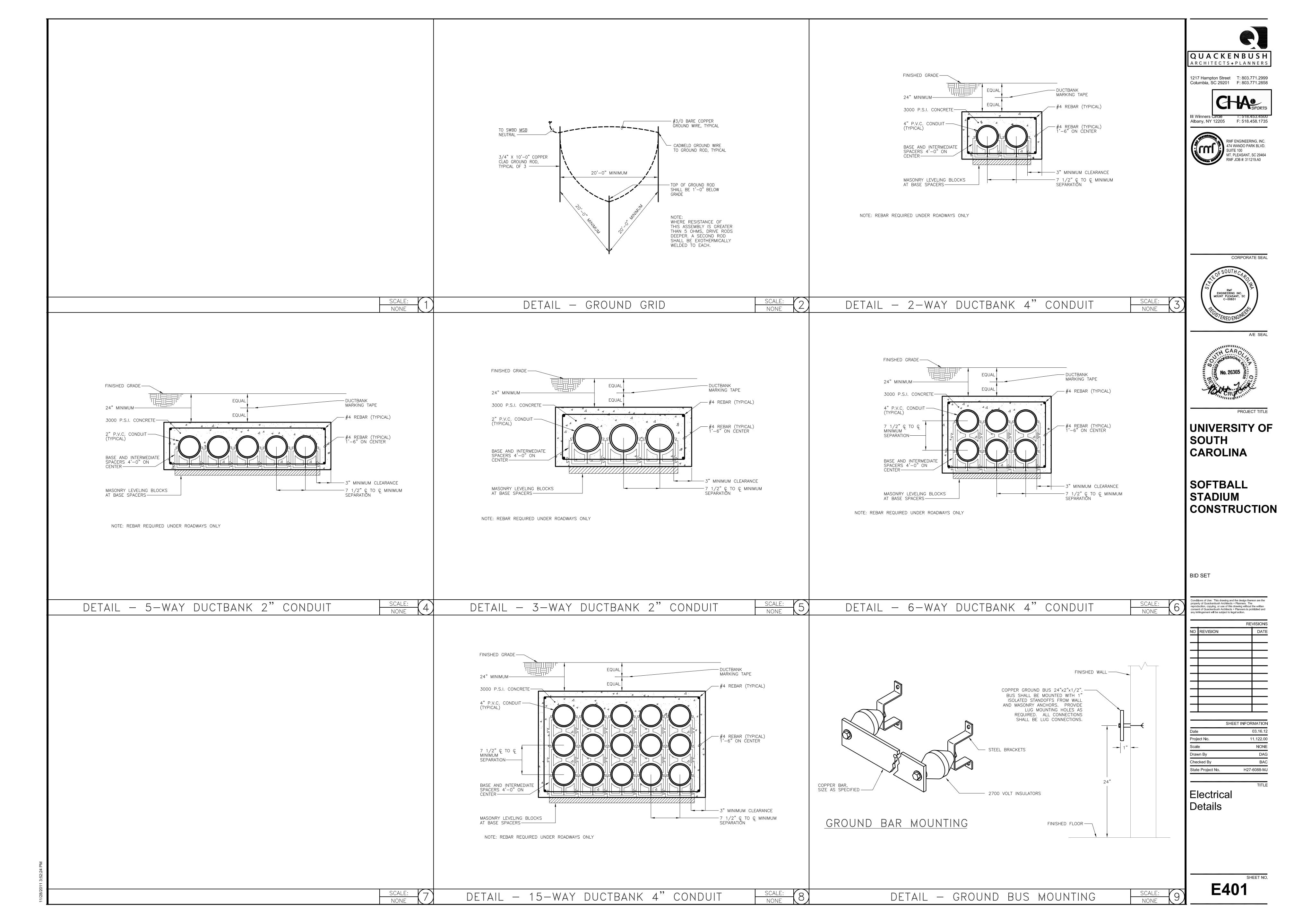
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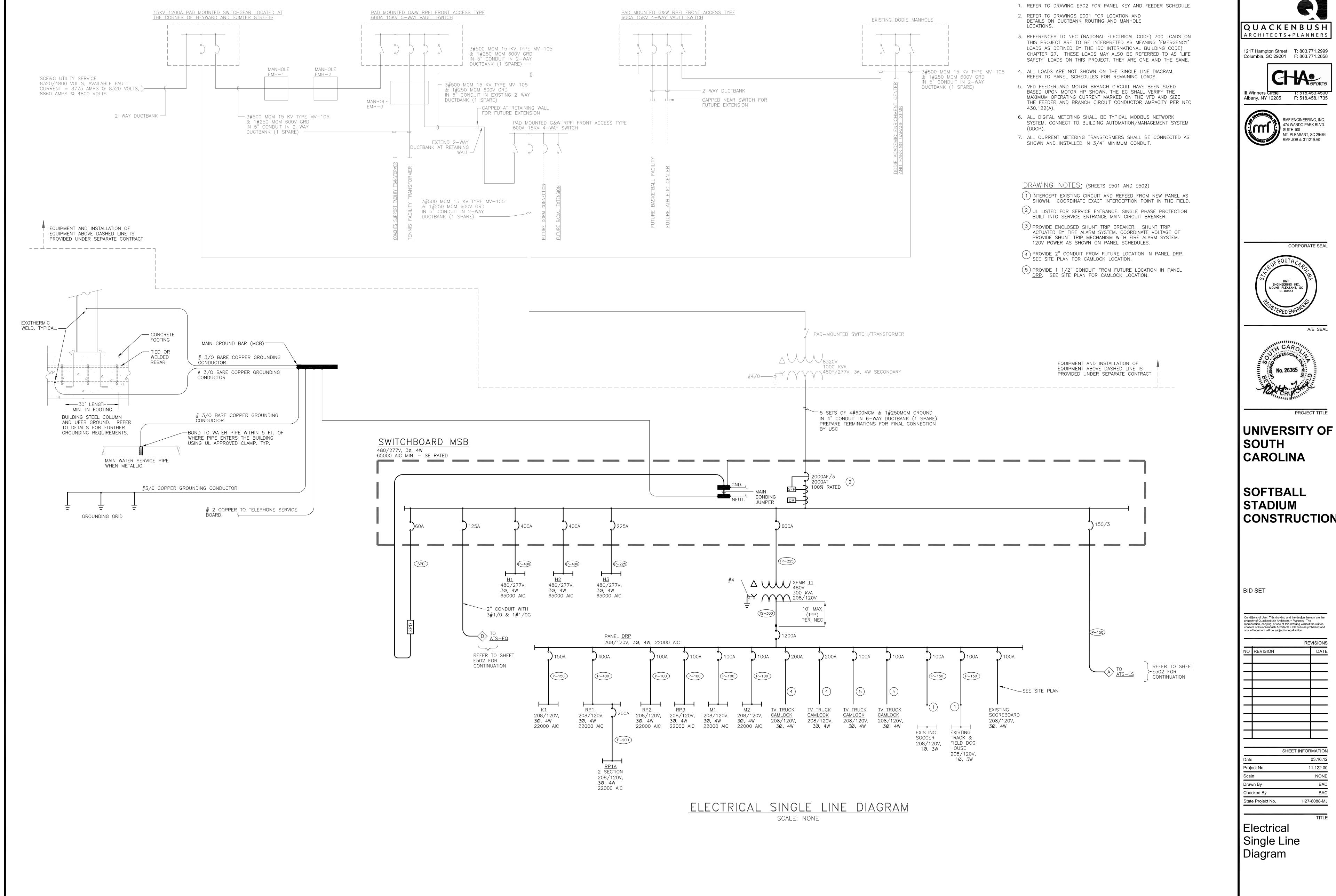
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UPPER LEVEL ELECTRICAL LIGHTING PLAN

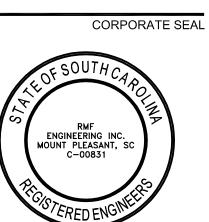


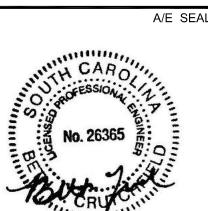


GENERAL NOTES:









CONSTRUCTION

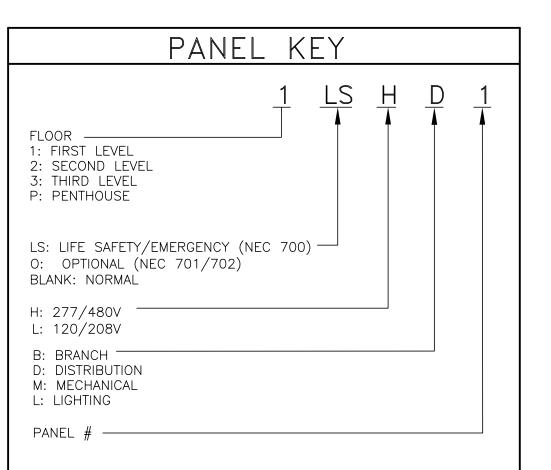
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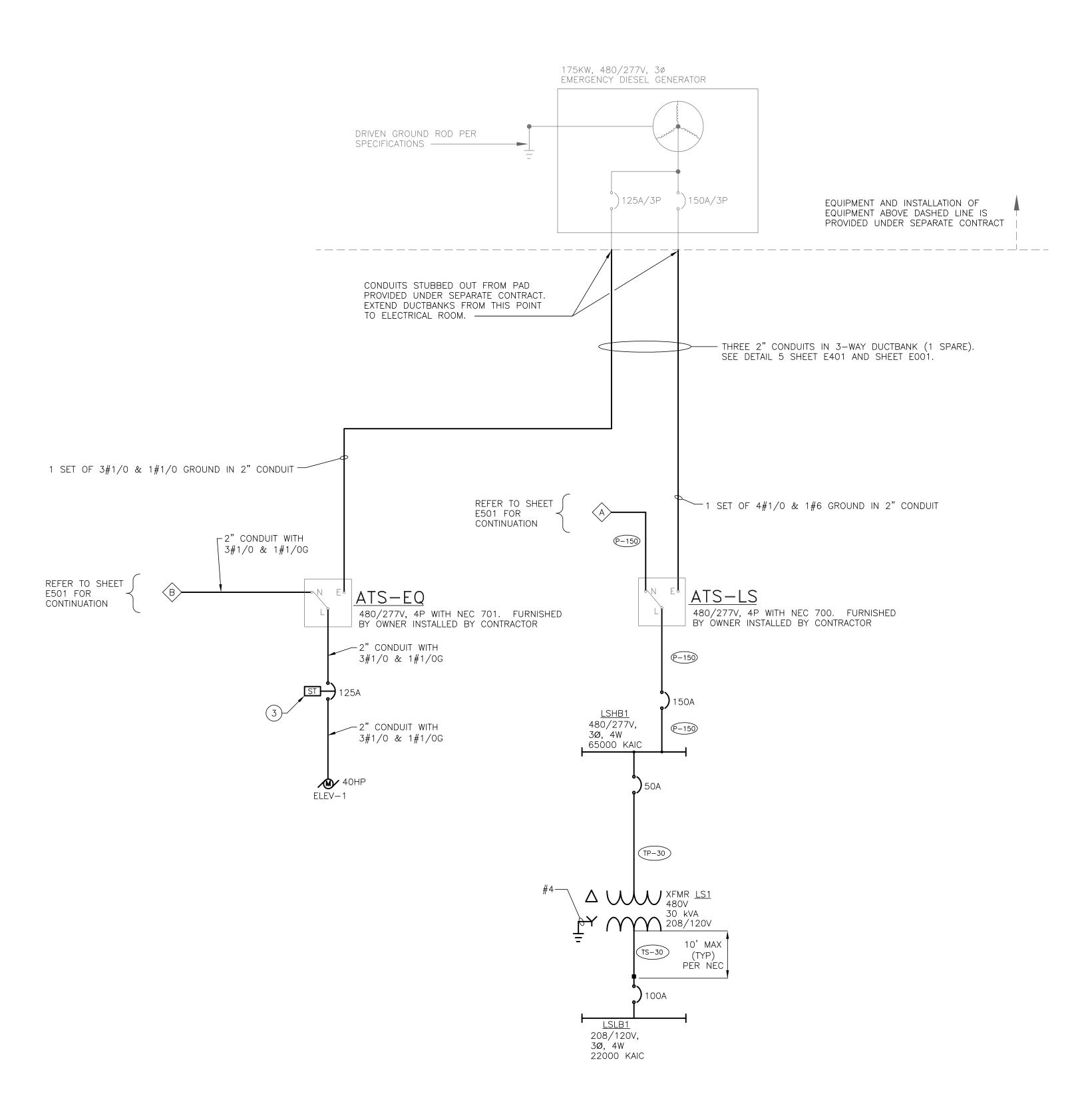
GENERAL NOTES:

1. REFER TO DRAWING E501 FOR GENERAL NOTES.



) ULE)								
(600V UNLESS OTHERWISE NOTED) LEGEND: EXAMPLE: P - PANEL P-100 - 100A PANEL FEEDER M - MOTOR M-30 - 30HP MOTOR FEEDER TP/TS - XFMR (PRIMARY/SECONDARY) TP-75 - 75KVA TRANSFORMER PRIMARY										RIMARY
LABEL	SETS	SIZE	GROUND	CONDUIT		LABEL	SETS	SIZE	GROUND	CONDUIT
MAIN	5	4#500	4/0	4"		P-150	1	4#1/0	#6	2"
SPD	1	4#6	#10	1 1/4"		P-200	1	4#3/0	#6	2"
P-20	1	4#12	#12	3/4"		P-225)	1	4#4/0	#4	2 1/2"
P-25 P-30	1	4#10	#10	1/2"		P-250	1	4#250	#4	2 1/2"
P-35 P-40	1	4#8	#10	3/4"		P-300	1	4#350	#4	3"
P-45 P-50	1	4#8	#10	1"		P-400	1	4#500	#3	3 1/2"
P-60	1	4#6	#10	1 1/4"		P-600	2	4#350	#1	3"
P-70 P-80	1	4#4	#8	1 1/4"		P-800	2	4#500	#1/0	3 1/2"
P-90 P-100	1	4#3	#8	1 1/4"		P-1200	4	4#350	#3/0	3"
P-110	1	4#2	#6	1 1/2"		P-1600	5	#400	#4/0	3"
P-125	1	4#1	#6	2"		CH	1	4#3	#6	4"
		ı	1	ı		FPE	1	4#2/0	#4	4"
						GEN1	1	4#3/0	#6	4"
						FPT	1	4#2/0	-	4"

					_	CHEC HERWISE		\		
М —	PANEL MOTOR S — XFN	MR (PRIM	(800V ARY/SECC			MPLE: P-100 - M-30 -	– 100A – 30HP	PANEL FE MOTOR F	EEDER EEDER DRMER PF	RIMARY
LABEL	SETS	SIZE	GROUND	CONDUIT		LABEL	SETS	SIZE	GROUND	CONDU
M-10	1	3#12	#12	3/4"		(P-75)	1	3#1/0	#6	1 1/2
M-15	1	3#10	#10	3/4"		(P-112)	1	3#3/0	#6	2"
M-20	1	3#8	#10	3/4"		(P-150)	1	3#250	#4	2"
M-25 M-30	1	3#6	#8	3/4"		(P-225)	1	3#600	#3	4"
M-40	1	3#6	#8	1"		(P-300)	2	3#250	#2	2 1/2
M-50	1	3#4	#6	1 1/4"		(TS-15)	1	4#8	#8	3/4"
M-60	1	3#3	#6	1 1/2"		(TS-30)	1	4#3	#8	1 1/4
M-75	1	3#1	#6	1 1/2"		(TS-45)	1	4#1	#6	1 1/2
M-100	1	3#2/0	#6	1 1/2"		(TS-75)	1	4#3/0	#4	2"
M-125	1	3#3/0	#4	2"		(S-112)	1	4#350	#2	3"
(TP-15)	1	3#10	#10	3/4"		(S-150)	1	4#600	#1/0	3 1/2
(TP-30)	1	3#6	#10	3/4"		(S-225)	2	4#350	#2/0	3"
(TP-45)	1	3#3	#8	1 1/4"		(S-300)	3	4#600	#3/0	4"



ELECTRICAL SINGLE LINE DIAGRAM
SCALE: NONE

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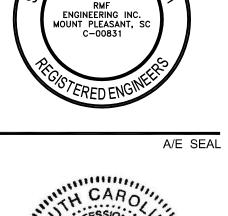
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Albany, NY 12205

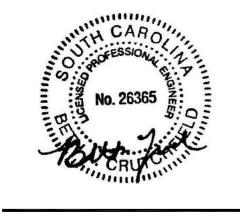
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SOUTH CAROLINA

SOFTBALL STADIUM CONSTRUCTION

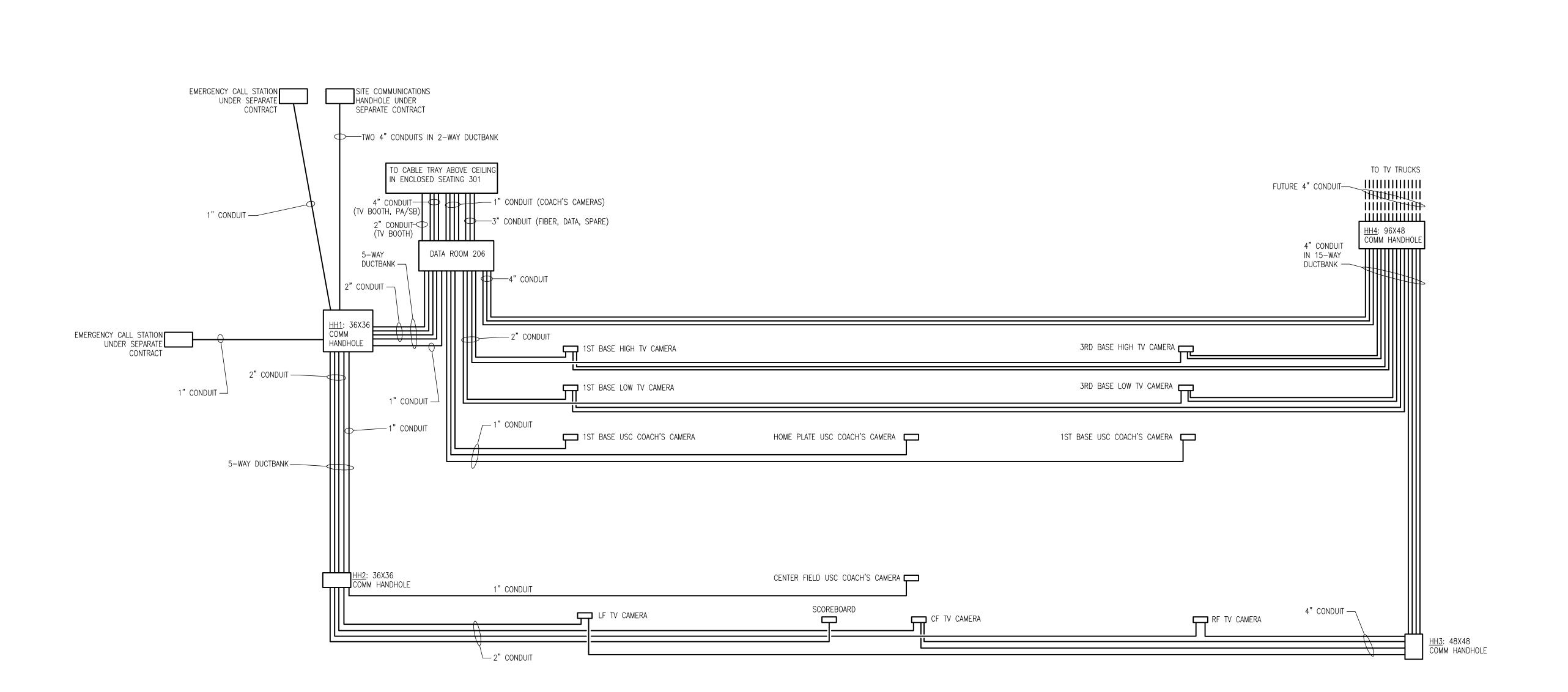
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		l	REVISIONS
NO	REVISION		DATE
			-
		SHEET INF	ORMATION
Date			03.16.12
Proje	ect No.		11.122.00

Date	03.16.12
Project No.	11.122.00
Scale	NONE
Drawn By	ВАС
Checked By	BAC
State Project No.	H27-6088-MJ

Electrical Single Line Diagram



ELECTRICAL COMMUNICATION SINGLE LINE DIAGRAM SCALE: NONE

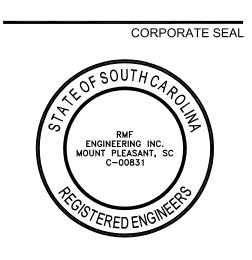
QUACKENBUSH

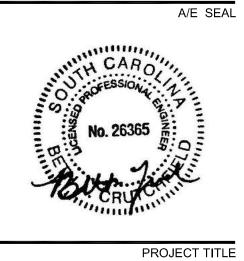
ARCHITECTS + PLANNERS

1217 Hampton Street T: 803.771.2999 Columbia, SC 29201 F: 803.771.2858









UNIVERSITY OF SOUTH CAROLINA

SOFTBALL STADIUM CONSTRUCTION

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		SHEET INFOR	RMAT
Date	,		03.1
Proje	ect No.	1	1.12
Scal	е	1	" = 20

11.122.00
1" = 20'-0"
DAG
BAC
H27-6088-MJ

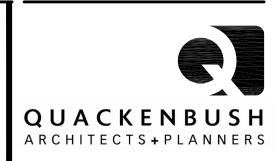
Electrical Communication
Single Line
Diagram

						L	IGHTING FIX	TURE	SCHEDL	ILE				
FIXTURE TYPE	DESCRIPTION	LOUVER/ LENS		LAM			BALLAS		VOLTAGE	INPUT WATTAGE	MOUNTING	REMARKS	MANUFACTURER	FIXTURE TYPE
			TYPE	WATTA	GE QTY.	COLOR TEMP.	TYPE	QTY.		WATTAGE				IIFE
C1	2X4 LOW BAY FLUORESCENT LIGHT	LOVER	Т8	32	4	3500°K	ELECTRONIC	1	277	112	CHAIN AT 18'AFF	PROVIDE 0.88 BF BALLAST	DAYBRIGHT #FGL432-UNV-MC-1/4EBH-WG LITHONIA EQUAL COLUMBIA EQUAL	C1
C2	CONCOURSE WALKWAY AREA FLUORESCENT LIGHT	POLYCARBONATE LENS	CFL	42	2	3500°K	ELECTRONIC	1	277	92	SURFACE	PROVIDE 0.88 BF BALLAST. PROVIDE GRAY OR SILVER FINISH.	DAYBRIGHT #VSR542CDMT LITHONIA EQUAL COLUMBIA EQUAL	C2
R1	2X4 RECESSED FLUORESCENT VOLUMETRIC TROFFER	BASKET	Т8	32	2	3500°K	ELECTRONIC	1	277	56	RECESSED	PROVIDE 0.88 BF BALLAST	LITHONIA #2AVG-232-MVOLT-GEB10IS WILLIAMS EQUAL COLUMBIA EQUAL	R1
R1A	2X4 RECESSED FLUORESCENT VOLUMETRIC TROFFER	BASKET	Т8	32	2	3500°K	ELECTRONIC	1	277	56	RECESSED	PROVIDE DUAL 0.88 BF BALLASTS FOR DUAL SWITCHING OF LIGHT FIXTURES. EACH SWITCH SHALL SWITCH ONE BALLAST PER FIXTURE.	LITHONIA #2AVG-232-MVOLT-GEB10IS WILLIAMS EQUAL COLUMBIA EQUAL	R1A
R2	2X2 RECESSED FLUORESCENT VOLUMETRIC TROFFER	BASKET	Т8	17	2	3500°K	ELECTRONIC	1	277	30	RECESSED	PROVIDE DUAL 0.88 BF BALLASTS FOR DUAL SWITCHING OF LIGHTS IN TEAM ROOM 114 AND MEETING ROOM/LOUNGE 201.	LITHONIA #2AVG-217-MVOLT-GEB10IS WILLIAMS EQUAL COLUMBIA EQUAL	R2
R3	2X4 RECESSED FLUORESCENT LENSED TROFFER	ACRYLIC	Т8	32	2	3500°K	ELECTRONIC	1	277	56	RECESSED	PROVIDE 0.88 BF BALLAST	LITHONIA #2SP8G-232-A12-MVOLT-GEB10IS WILLIAMS EQUAL COLUMBIA EQUAL	R3
R4	2X2 RECESSED FLUORESCENT LENSED TROFFER	ACRYLIC	Т8	17	2	3500°K	ELECTRONIC	1	277	30	RECESSED	PROVIDE 0.88 BF BALLAST	LITHONIA #2SP8G-217-A12-MVOLT-GEB10IS WILLIAMS EQUAL COLUMBIA EQUAL	R4
R5	6" DIAMETER RECESSED SHOWER DOWNLIGHT	GLASS SHOWER LENS	CFL	26	1	3500°K	ELECTRONIC	1	277	28	RECESSED	PROVIDE STANDARD BALLAST. PROVIDE GLASS SHOWER LENS.	GOTHAM #AF-1/26TRT-6AR-120 WILLIAMS #PH60-126QG24q-3-CS-E-120 PRESCOLITE #LF6CFH1-26-EB-120V-6CFH1-WT	R5
R6	6" DIAMETER RECESSED CAN	_	CFL	26	1	3500°K	ELECTRONIC	1	277	28	RECESSED	PROVIDE STANDARD BALLAST.	GOTHAM #AF-1/26TRT-6AR-120 WILLIAMS #PH60-126QG24q-3-CS-E-120 PRESCOLITE #LF6CFH1-26-EB-120V-6CFH1-WT	R6
P2	POLE MOUNTED DECORATIVE AREA LIGHT	GLASS	мн	70	1	2700°K	ELECTRONIC	1	277	78	POLE, 10'	PROVIDE WITH FLAT GLASS LENS (NOT GLOBE)	AAL #UCS SR-STR 70MH MAL PSTS	P2
W1	4' WALL MOUNTED FLUORESCENT LIGHT	ACRYLIC	Т8	32	2	3500°K	ELECTRONIC	1	277	56	WALL, 9'AFF		COOPER #FSRC-PP-64A-277-EBP WILLIAMS EQUAL COLUMBIA EQUAL	W1
W2	WALL MOUNT DECORATIVE AREA LIGHT	GLASS	CFL	26	1	3500°K	ELECTRONIC	1	277	28	WALL, 9'AFF	PROVIDE WITH FLAT GLASS LENS (NOT GLOBE)	AAL #UCS SR-STR CF26 MAL WST	W2
W3	EXTERIOR ENTRANCE/SECURITY LIGHT	GLASS	CFL	42	1	3500°K	ELECTRONIC	1	277	40	WALL, 9'AFF		GARDCO # 101-WT-42TRF-UNIV-NP-PCB	W3
W4	WALL MOUNTED 2' STRIP LIGHT	-	Т8	17	2	3500°K	ELECTRONIC	1	277	35	WALL, 6" ABOVE DOOR	2	LITHONIA #C-217-MVOLT-GEB10IS	W4
W5	EXTERIOR WALL MOUNTED 4' FLUORESCENT LIGHT	ACRYLIC	Т8	32	2	3500°K	ELECTRONIC	1	277	56	AS NOTED ON PLANS	COORDINATE INSTALLATION WITH ARCHITECTURAL ELEVATONS AND DETAILS. PROVIDE CUSTOM LIGHT GRAY OR MATT ALUMINUM COLOR.	KENALL #WCB-4-0-232RS-1-277-1	W5
X1	LED EXIT SIGN	_	LED	_	_	_	ELECTRONIC SEE NOTE #1	1	277	_	SURFACE	PROVIDE NUMBER OF FACES AND ARROWS AS SHOWN ON PLAN.	LITHONIA #LE-S-R-120/277 WILLIAMS #EXIT/CA-R-AF-BA-AC DUAL LITE #SE-R-B	X1

LIGHTING FIXTURE SCHEDULE NOTES:

- REFER TO PROJECT MANUAL SPECIFICATIONS FOR EQUIPMENT/ PRODUCT PERFORMANCE CRITERIA.
- 2. MANUFACTURERS LISTED IN THE LIGHTING FIXTURE SCHEDULE ARE USED TO ESTABLISH A BASIS OF DESIGN FOR QUALITY AND PERFORMANCE. PROVIDE MANUFACTURERS LISTED OR AN APPROVED ALTERNATE EQUAL MANUFACTURER.

INTERIOR LIGHTING POWER									
BUILDING SQUARE FOOTAGE	TOTAL WATTAGE OF FIXTURES	WATTS/SQUARE FEET	ASHRAE 90.1—2010 BUILDING AREA METHOD VALUE						
18446	13692	0.74	0.78						

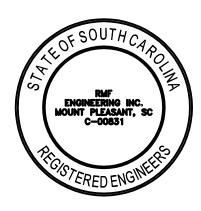


1217 Hampton Street T: 803.771.2999 Columbia, SC 29201 F: 803.771.2858





CORPORATE SEAL





PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

SOFTBALL STADIUM CONSTRUCTION

BID SET

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	SHEET INFORMA
Date	03.1
Project No.	11.12
Scale	1/8" =
Drawn By	
Checked By	

ELECTRICAL SCHEDULES

PANEL NO.: USAGE: LOCATION: PHASES L-L VOLTS L-G VOLTS BUS AMPS AIC RATING MAIN CB AMPS			MSB MAIN SWITCH BOARD ELEC 131 3 480 277 2,000 SEE SINGLE LINE 2,000	TCH BOARD MP7 P7 EI R1			CLIENT: MOUNTING: PANEL TYPE: ENGINEER: RMF PROJECT NO.:		FREE STANDING S.E. SWITCHBOARD DAG				
	PROVIDE * - INDICA ** - INDICA	GROUND FULL SIZE ATES C.B. I ATES C.B.	E NEUTRAL E EQUIPPED W IS GFI TYPE	BUS UNLESS NOTED OTHERWISE /ITH "LOCK-ON" DEVICE WITH SHUNT TRIP DEVICE	Ξ								
ND SIZE	GND. SIZE	PHASE/ NEUT. SIZE	CKT AMPS	LOAD DESCRIPTION	CB BKR. RATING (AMPS)/POLES	CIRCUIT NUMBER A B C	CB BKR. RATING (AMPS)/POLES	LOAD DESCRIPTION	CKT AMPS	PHASE/ NEUT. SIZE	GND. SIZE	CNI SIZI	
SE	E SINGLE	_INE	43.63 40.88 38.75	ATS LS (PANEL LSHL1)	150/3	A 1 B 2 C	100AF	SPACE	0.00 0.00 0.00	-			
SE	E SINGLE	_INE	396.14 370.75 361.55	TRANSFORMER T1	600/3	A 3 B 4 C	100AF	SPACE	0.00 0.00 0.00				
SE	E SINGLE	LINE	52.14 52.14 52.14	ATS EQ (ELEVATOR)	125/3	A 5 B 6 C	100AF	SPACE	0.00 0.00 0.00				
SEE SINGLE LINE		-INE	298.24 290.84 268.92	PANEL H1	225/3	A 7 B 8 C	100AF	SPACE	0.00 0.00 0.00				
SE	E SINGLE	_INE	315.86 294.49 291.49	PANEL H2	400/3	A 9 B 10 C			0.00 0.00 0.00				
SE	E SINGLE	_INE	79.39 79.39 75.78 0.00	PANEL H3	225/3	A 11 B 12 C			0.00 0.00 0.00				
			0.00 0.00 0.00 0.00	SPACE	225AF	A 13 B 14 C			0.00 0.00 0.00 0.00				
			0.00	SPACE	225AF	A 15 B 16 C			0.00 0.00				
SE	E SINGLE	_INE	0.00 0.00 0.00	SPD	60/3	A 17 B 18 C			0.00 0.00 0.00				
				LOADS	CONNECTED (KVA)	DIVERSITY FACTOR %	DEMAND (KVA) %						
				LIGHTING	26.68	100%	26.68						
			-	HVAC COOLING* HVAC HEATING*	103.53 147.10	100% 100%	103.53 147.10	* LOAD VALUES HAVE BEEN AD CASE LOADING FOR EQUIPMEN					
				LARGEST MOTOR X 125% PLUS REMAINING MOTORS	61.42	100%	61.42	AND HEATING SYSTEMS.	TO WITH BOTH COC	JUNG			
				KITCHEN EQUIPMENT	37.47	100%	37.47						
			-	RECEPTACLES (1st 10 KVA)	10.00 76.59	100% 50%	10.00 38.30						
			-	RECEPTACLES (>10 KVA) MISCELLANEOUS	490.96	100%	38.30 490.96						
				FUTURE LOAD GROWTH	188.59	100%	188.59						
				TOTALS less 25% largest mtr	1,131.52		1,104.04						
				DEMAND PHASE LOA	ADING (INCLUDING	FUTURE GROWT	H)						
				PHASE	CONNECTED (KVA)	DEMAND (KVA)	DEMAND (AMPS)						
				A B	397.81 378.89	383.76 366.73	1385.42 1323.92						
			-	C B	378.89	353.55	1323.92						
				A,B,C TOTALS	1,144.54	1,104.04	1327.99	1					

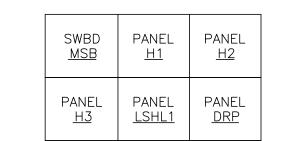
	PANEL NO.: USAGE: LOCATION: PHASES L-L VOLTS L-G VOLTS BUS AMPS AIC RATING MAIN CB AMPS			H1 EQUIPMENT ELEC 131 3 480 277 400 SEE SINGLE LINE MLO		CLIENT: MOUNTING: PANEL TYPE: ENGINEER: RMF PROJECT NO.:	USC SURFACE LIGHTING DAG 311219A0		NCE			
	PROVIDE * - INDIC ** - INDIC	E GROUNE FULL SIZ ATES C.B. CATES C.E CATES C.E PHASE/	ZE NEUTRA . EQUIPPEI 3. IS GFI TY	L BUS UNLESS NOTED OTHERV D WITH "LOCK-ON" DEVICE PE 30 mA D WITH SHUNT TRIP DEVICE	CB BKR.	CIRCUIT	CB BKR.	LOAD	CKT	PHASE/	GND.	
SIZE	SIZE	NEUT. SIZE	AMPS	DESCRIPTION	RATING (AMPS)/POLES	NUMBER A B C	RATING (AMPS)/POLES	DESCRIPTION	AMPS	NEUT. SIZE	SIZE	8
3/4"	#12	#12	14.44	EWH-19 RM 309	20/1	1 A 2	20/1	LTG - UPPER LEVEL	4.16	#12	#12	
3/4"	#12	#12	14.44	EWH-06 RM 121	20/1	3 B 4		SPACE	0.00			
3/4"	#10	#10	6.25	EXISTING PARKING LTG	20/2	5 C 6		SPACE	0.00			-
			6.25			7 A 8		SPACE	0.00			+
3/4" 3/4"	#12 #12	#12 #12	14.44 14.44	EWH-09 RM 1117A EWH-13 RM 207	20/1	9 B 10 11 C 12		SPACE SPACE	0.00			-
3/4"	#12	#12	14.44	EWH-13 RM 207	20/1	11 C 12		SPACE	0.00			+
3/4"	#12	#12	14.44	EWH-15 RM 208	20/1	15 A 14		SPACE	0.00			
3/4"	#12	#12	14.44	EWH-16 RM 209	20/1	17 C 18		SPACE	0.00			\vdash
3/4"	#12	#12	14.44	EWH-17 RM 209	20/1	19 A 20		SPACE	0.00			
3/4"	#12	#12	14.44	EWH-20 RM 308	20/1	21 B 22		SPACE	0.00			
			165.99			23 C 24		SPACE	0.00			
1/2"	#4	#4/0	165.99	BALLFIELD LIGHTS	225/3	25 A 26		SPACE	0.00			L
			165.99	ODADE	0011	27 B 28		SPACE	0.00			1
ייא/ כ	440	440	0.00	SPARE	20/1	29 C 30		SPACE	0.00			
3/4" 3/4"	#12 #12	#12 #12	14.44	EWH-18 RM 210 LTG - LWR LVL VISITOR	20/1	31 A 32		SPACE SPACE	0.00			+
3/4" 3/4"	#12	#12	2.17 3.70	LTG - CNCRS LVL VISITOR	20/1	33 B 34 35 C 36		SPACE	0.00			+
∵ , τ	π12	π12	64.95	LIO ONONO EVE VIOITON	20/1	35 C 36		OI / NOL	0.00			+
1/4"	#3	#3	64.95	WH-03 RM 121	30/3	39 B 40	20/3	SPARE	0.00]		
			64.95			41 C 42			0.00			
				LOADS	CONNECTED (KVA)	DIVERSITY FACTOR %	DEMAND (KVA) %					
				LIGHTING	2.78	100%	2.78					
				HVAC COOLING*	0.00	100%	0.00	* LOAD VALUES HAVE BEEN A			-	
				HVAC HEATING*	40.00	100%	40.00	CASE LOADING FOR EQUIPME	ENT MITH ROTH CC	JULING		
				MOTORS KITCHEN EQUIPMENT	0.00	100% 100%	0.00	AND HEATING SYSTEMS.				
				RECEPTACLES (1st 10 KVA)	0.00	100%	0.00	-				
				RECEPTACLES (>10 KVA)	0.00	50%	0.00	-				
				MISCELLANEOUS	195.00	100%	195.00					
					PHASE LOADING]				
				PHASE	CONNECTED (KVA)	DEMAND (KVA)	DEMAND (AMPS)					
				A	82.65	82.65	298.38					
				В	80.60	80.60	290.97					
					74.50	74.50	200.04	1				
				C A,B,C TOTALS	74.52 237.78	74.52 237.78	269.04 286.01	4				

	PANEL NO.: USAGE: LOCATION: PHASES L-L VOLTS L-G VOLTS BUS AMPS			H2 EQUIPMENT ELEC 107 3 480 277				CLIENT: MOUNTING: PANEL TYPE: ENGINEER: RMF PROJECT NO.:	USC SURFACE LIGHTING DAG 311219A0		NCE	
	BUS AM	PS		400								
	AIC RAT	ING		SEE SINGLE LINE								
	MAIN CE	B AMPS		MLO								
	PROVIDI * - INDIC ** - INDIC	E GROUNE E FULL SIZ ATES C.B. CATES C.E	E NEUTRA EQUIPPE B. IS GFI TY	AL BUS UNLESS NOTED OTHER' D WITH "LOCK-ON" DEVICE 'PE 30 mA ED WITH SHUNT TRIP DEVICE	WISE		ı		ı			
CND SIZE	GND. SIZE	PHASE/ NEUT. SIZE	CKT AMPS	LOAD DESCRIPTION	CB BKR. RATING (AMPS)/POLES	CIRCUIT NUMBER A B C	CB BKR. RATING (AMPS)/POLES	LOAD DESCRIPTION	CKT AMPS	PHASE/ NEUT. SIZE	GND. SIZE	
3/4"	#12	#12	14.80	EWH-01 RM 115, EF-06	20/1	1 A 2	20/1	EWH-04 RM 108	14.44	#12	#12	+
3/4"	#12	#12	14.60	EWH-02 RM 115	20/1	3 B 4	20/1	EWH-05 RM 107A	14.44	#12	#12	+
3/4"	#12	#12	14.44	EWH-03 RM 109A	20/1	5 C 6	20/1	EWH-10 RM 202	14.44	#12	#12	\dagger
3/4"	#12	#12	14.44	EWH-11 RM 201A	20/1	7 A 8	20/1	EWH-12 RM 204	14.44	#12	#12	+
3/4"	#12	#12	7.86	LTG - LWR LVL HOME	20/1	9 B 10	20/1	EWH-22 STAIR ST01	14.44	#12	#12	J
3/4"	#12	#12	4.86	LTG - CNCRS LVL HOME	20/1	11 C 12	20/1	EWH-23 MECH 105	14.44	#12	#12	_]
3/4"	#12	#12	14.44	EWH-21 STAIR ST01	20/1	13 A 14			37.91			
			0.00	SPARE	20/1	15 B 16	50/3	ACCU-02	37.91	#4	#8	
			0.00	SPARE	20/1	17 C 18 19 A 20			37.91 7.79			+
			0.00	SPARE	20/3	21 B 22	20/3	ACCU-01	7.79	#12	#12	
			0.00		25,5	23 C 24		7.000 01	7.79	<i>"</i> · -		
			0.00			25 A 26			6.13			1
			0.00	SPARE	20/3	27 B 28	20/3	HRW-01	6.13	#12	#12	
			0.00			29 C 30			6.13			4
1"	#10	40	37.89		50/2	31 A 32	60/2	DOME 04	45.38	44	#8	
1"	#10	#6	37.89 37.89	75LB DRYER RM 121	50/3	33 B 34 35 C 36	60/3	DOAU-01	45.38 45.38	#4	#8	
			54.13			37 A 38			54.13			+
1 1/4"	#8	#4	54.13	WH-01 RM 105	70/3	39 B 40	70/3	WH-02 RM 105	54.13	#4	#8	
			54.13			41 C 42			54.13			
				LOADS	CONNECTED (KVA)	DIVERSITY FACTOR %	DEMAND (KVA) %					
				LIGHTING	3.52	100%	3.52					
				HVAC COOLING*	80.81	100%	80.81	* LOAD VALUES HAVE BEEN AL			-	
				HVAC HEATING*	44.10	100% 100%	44.10 0.00	CASE LOADING FOR EQUIPME	MT MITH ROTH CO	ULING		
				MOTORS KITCHEN EQUIPMENT	0.00	100%	0.00	AND HEATING SYSTEMS.				
				RECEPTACLES (1st 10 KVA)	0.00	100%	0.00	-				
				RECEPTACLES (>10 KVA)	0.00	50%	0.00					
				MISCELLANEOUS	121.50	100%	121.50					
					PHASE LOADING							
				PHASE	CONNECTED (KVA)	DEMAND (KVA)	DEMAND (AMPS)					
				A	87.54	87.54	316.01					
				В	81.61	81.61	294.62					
				C A,B,C TOTALS	80.78 249.93	80.78 249.93	291.63 300.62	-				
				A,D,O 101AL0	<u> </u>	∠ + 3.33	300.02]				

	PANEL USAGE: LOCATIO PHASES L-L VOLT L-G VOL BUS AMI AIC RAT MAIN CB	DN: FS TS PS ING		H3 EQUIPMENT BATTING CAGE 124 3 480 277 225 SEE SINGLE LINE MLO				CLIENT: MOUNTING: PANEL TYPE: ENGINEER: RMF PROJECT NO.:	USC RECESSE LIGHTING DAG 311219A0	& APPLIAI	NCE	
	PROVIDE * - INDIC ** - INDIC	E GROUNI E FULL SIZ ATES C.B CATES C.E	ZE NEUTRA . EQUIPPEI 3. IS GFI TY	L BUS UNLESS NOTED OTHER D WITH "LOCK-ON" DEVICE PE 30 mA D WITH SHUNT TRIP DEVICE	WISE							
OND SIZE	GND. SIZE	PHASE/ NEUT. SIZE	CKT AMPS	LOAD DESCRIPTION	CB BKR. RATING (AMPS)/POLES	CIRCUIT NUMBER A B C	CB BKR. RATING (AMPS)/POLES	LOAD DESCRIPTION	CKT AMPS	PHASE/ NEUT. SIZE	GND. SIZE	CND SIZE
3/4"	#12	#12	3.61	LTG - BATTING CAGE	20/1	1 A 2	20/1	LTG - BATTING CAGE	3.61	#12	#12	3/4"
3/4"	#12	#12	3.61	LTG - BATTING CAGE	20/1	3 B 4	20/1	LTG - BATTING CAGE	3.61	#12	#12	3/4"
3/4"	#12	#12	3.61	LTG - BATTING CAGE	20/1	5 C 6		SPACE	0.00			
			0.00	SPACE SPACE		7 A 8		SPACE SPACE	0.00			
			0.00	SPACE		9 B 10 11 C 12		SPACE	0.00			
			0.00	SPACE		13 A 14		SPACE	0.00			
			0.00	SPARE	20/3	15 A 14		SPACE	0.00			
			0.00			17 C 18		SPACE	0.00			
			9.02			19 A 20			9.03			
3/4"	#12	#12	9.02	EUH-08	20/3	21 B 22	20/3	EUH-07	9.03	#12	#12	3/4"
			9.02			23 C 24			9.03			
			9.02			25 A 26			9.02			
3/4"	#12	#12	9.02	EUH-01	20/3	27 B 28	20/3	EUH-04	9.02	#12	#12	3/4"
			9.02			29 C 30			9.02			
3/4"	#12	#12	9.02	 EUH-02	20/3	31 A 32 33 B 34	20/3	EUH-05	9.02	 #12	#12	3/4"
3/4	#12	#12	9.02	EOH - 02	20/3	35 C 36	20/3	E0H-05	9.02	#12	#12	3/4
			9.02			37 A 38			9.02			
3/4"	#12	#12	9.02	EUH-03	20/3	39 B 40	20/3	EUH-06	9.02	#12	#12	3/4"
			9.02			41 C 42			9.02			
		'										•
				LOADS	CONNECTED (KVA)	DIVERSITY FACTOR %	DEMAND (KVA) %					
				LIGHTING	5.00	100%	5.00					
				HVAC COOLING*	0.00	100%	0.00	* LOAD VALUES HAVE BEEN ADJU			•	
				HVAC HEATING*	60.00	100%	60.00	CASE LOADING FOR EQUIPMENT	WITH BOTH CO	OLING		
				MOTORS	0.00	100%	0.00	AND HEATING SYSTEMS.				
				KITCHEN EQUIPMENT	0.00	100% 100%	0.00	_				
				RECEPTACLES (1st 10 KVA) RECEPTACLES (>10 KVA)	0.00	50%	0.00	-				
				MISCELLANEOUS	0.00	100%	0.00	-				
					PHASE LOADING]				
				PHASE	CONNECTED (KVA)	DEMAND (KVA)	DEMAND (AMPS)					
					1 (1,541,7)	1		4				
				Α	22 00	22 00	79 42					
				A B	22.00 22.00	22.00 22.00	79.42 79.42					

	PANEL USAGE: LOCATIC PHASES L-L VOLT L-G VOL BUS AMP AIC RAT MAIN CB	ON: TS TS PS ING		LIFE SAFETY ELEC 131 3 480 S 277 150 G SEE SINGLE LINE					CLIENT: USC MOUNTING: SURFACE PANEL TYPE: LIGHTING & APPL ENGINEER: DAG RMF PROJECT NO.: 311219A0				
	PROVIDE * - INDIC ** - INDIC	E GROUNI E FULL SIZ ATES C.B CATES C.E	ZE NEUTRA . EQUIPPED 3. IS GFI TY	L BUS UNLESS NOTED OTHERV D WITH "LOCK-ON" DEVICE PE 30 mA D WITH SHUNT TRIP DEVICE	WISE								
CND SIZE	GND. SIZE	PHASE/ NEUT. SIZE	CKT AMPS	LOAD DESCRIPTION	CB BKR. RATING (AMPS)/POLES	CIRCUIT NUMBER A B C	CB BKR. RATING (AMPS)/POLES	LOAD DESCRIPTION	CKT AMPS	PHASE/ NEUT. SIZE	GND. SIZE	CNI SIZ	
3/4"	#10	#10	5,05	LTG - LWR LVL VISITOR	20/1	1 A 2		SPACE	0.00			1	
3/4"	#10	#10	4.62	LTG - LWR LVL HOME	20/1	3 B 4		SPACE	0.00			1	
3/4"	#10	#10	0.36	LTG - ELEVATOR PIT	20/1	5 C 6		SPACE	0.00				
3/4"	#10	#10	3.61	LTG - CNCRS LVL	20/1	7 A 8		SPACE	0.00			<u> </u>	
/4"	#10	#10	7.22	LTG - EMERGENCY POLE A2	20/1	9 B 10		SPACE	0.00				
/4"	#10	#10	7.22	LTG - EMERGENCY POLE A1	20/1	11 C 12		SPACE	0.00			_	
/4"	#10	#10	7.22	LTG - EMERGENCY AT M2	20/1	13 A 14		SPACE	0.00				
/4"	#10	#10	7.22	LTG - EMERGENCY AT M1	20/1	15 B 16		SPACE	0.00			_	
/4"	#10	#10	2.17	LTG - UPPER LEVEL	20/1	17 C 18		SPACE	0.00			-	
/4"	#10	#10	7.22 0.00	24-HOUR LIGHTING SPACE	20/1	19 A 20		SPACE SPACE	0.00			-	
			0.00	SPACE		21 B 22 23 C 24		SPACE	0.00			+	
			0.00	SPACE		25 C 24 25 A 26		SPACE	0.00			+	
			0.00	SPACE		27 B 28		SPACE	0.00			_	
			0.00	SPACE		29 C 30		SPACE	0.00			+	
			0.00	SPACE		31 A 32		SPACE	0.00			+	
			0.00	SPACE		33 B 34		SPACE	0.00			1	
			0.00	SPACE		35 C 36		SPACE	0.00				
			0.00			37 A 38			20.53				
			0.00	SPARE	20/3	39 B 40 41 C 42	50/3	XFMR LS1 (PANEL LSLB1)	21.83 29.01	SEE	SINGLE I	LINE	
				LOADS	CONNECTED (KVA)	DIVERSITY FACTOR %	DEMAND (KVA) %						
				LIGHTING	14.88	100%	14.88	1			_		
				HVAC COOLING*	1.40	100%	1.40	* LOAD VALUES HAVE BEEN AD					
				HVAC HEATING*	0.00	100%	0.00	CASE LOADING FOR EQUIPMEN	I WITH BOTH CO	ULING			
				MOTORS	2.70	100%	2.70	AND HEATING SYSTEMS.					
				KITCHEN EQUIPMENT	0.00 6.38	100% 100%	0.00 6.38	-					
				RECEPTACLES (1st 10 KVA) RECEPTACLES (>10 KVA)	0.00	50%	0.00	+					
				MISCELLANEOUS	8.80	100%	8.80	-					
			,		PHASE LOADING			1					
				PHASE	CONNECTED (KVA)	DEMAND (KVA)	DEMAND (AMPS)	-					
				A	12.09	12.09	43.65	1					
					,00		.0.00	_i					
					11.33	11.33	40.90						
				B C	11.33 10.74	11.33 10.74	40.90 38.77						

	DANEI	NO :		DDD				CLIENT: USC					
	PANEL USAGE:	NO.:		DRP RECEPTACLES & EQUIPMEN	ΙΤ			CLIENT: USC MOUNTING: SURFACE					
	LOCATIO	N:		ELEC 131	11	PANEL TYPE:	DISTRIBUT	TON					
	PHASES			3				ENGINEER:	DAG				
	L-L VOLT L-G VOL			208 120				RMF PROJECT NO.:	311219A0				
	BUS AMF			1,200									
	AIC RAT	NG		SEE SINGLE LINE									
	MAIN CB	AMPS		1200									
	PANEL N												
	PROVIDE			I DUCUM FOR MOTED OTHER	MICE								
				AL BUS UNLESS NOTED OTHER\ D WITH "LOCK-ON" DEVICE	WISE								
			B. IS GFI TY										
	ST- INDIC	CATES C.I	B. EQUIPPE	ED WITH SHUNT TRIP DEVICE				I					
CND GND. PH		PHASE/	CKT	LOAD	CB BKR.	CIRCUIT	CB BKR.	LOAD	CKT	PHASE/	GND.		
SIZE	SIZE	NEUT. SIZE	AMPS	DESCRIPTION	RATING (AMPS)/POLES	NUMBER A B C	RATING (AMPS)/POLES	DESCRIPTION	AMPS	NEUT. SIZE	SIZE		
			224.42		, ,	1 A 2	,		54.13				
SEE	SINGLE L	INE	199.44	PANEL RP1	400/3	3 B 4	100/3	PANEL M1	51.63	SEE	SINGLE		
						5 C 6			59.12				
SEE	SINGLET	INGLE LINE		SINGLE LINE		PANEL RP2	100/3	7 A 8 9 B 10	100/3	PANEL M2	59.54 64.95	SEE	E SINGLE
OLL	. OINOLL L	III VL	85.77 82.31	I ANLL IVI Z	100/3	11 C 12	100/3	I ANLL IVIZ	53.71		- OINOLL		
	30.58		30.58			13 A 14			74.94				
SEE	SINGLE L	INE	20.78 22.45	PANEL RP3	100/3	15 B 16 17 C 18	200/3	TV TRUCK 200A CAMLOCK	74.94 74.94	SEE	SINGLE		
			53.71			19 A 20			74.94				
SEE	SINGLE L	INE	75.78	PANEL K1	150/3	21 B 22	200/3	TV TRUCK 200A CAMLOCK	74.94	SEE	SINGLE		
055	ONOLE	INIT	58.09 70.19	EVICTING GOOGED	400/0	23 C 24 25 A 26			74.94 37.47				
SEE	SINGLE L	IINE	70.19	EXISTING SOCCER	100/2	27 B 28	100/3	TV TRUCK 100A CAMLOCK	37.47	SEE	SINGLE		
SEE	SINGLE L	INE	70.19 70.19	EXISTING DOGHOUSE	100/2	29 C 30 31 A 32			37.47 37.47				
SEE	SINGLE L	INF	0.00	SPARE	100/2	33 B 34	100/3	TV TRUCK 100A CAMLOCK	37.47	SEE	SINGLE		
OLL	- OII TOLL L		0.00	OFFICE	100/2	35 C 36			37.47				
SEE	SINGLE L	INE	71.61 71.61	EXISTING SCOREBOARD	100/3	37 A 38 39 B 40		PROVIDE (3) 225AF SPACES	0.00	1			
			71.61			41 C 42		(*) ====================================	0.00				
]					
				LOADS	CONNECTED	DIVERSITY FACTOR	DEMAND (KVA)						
					(KVA)	%	%						
				LIGHTING	0.50	100%	0.50						
				HVAC COOLING*	21.32	100%	21.32	* LOAD VALUES HAVE BEEN ADJU			Ī		
				HVAC HEATING* MOTORS	3.00 4.56	100% 100%	3.00 4.56	CASE LOADING FOR EQUIPMENT AND HEATING SYSTEMS.	WITH BOTH CO	JLING			
				KITCHEN EQUIPMENT	37.47	100%	37.47						
				RECEPTACLES (1st 10 KVA)	10.00	100%	10.00	_					
				RECEPTACLES (>10 KVA) MISCELLANEOUS	70.21 165.66	50% 100%	35.11 165.66	-					
					,	1 .00,0		1					
					PHASE LOADING]					
				DUACE	CONNECTED		DEMAND (AMDC)						
				PHASE	(KVA)	DEMAND (KVA)	DEMAND (AMPS)						
				A B	109.78 102.75	97.64 90.93	813.70 757.77	_					
				С	102.75	89.04	742.01	-					

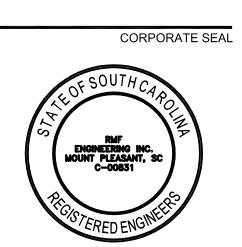


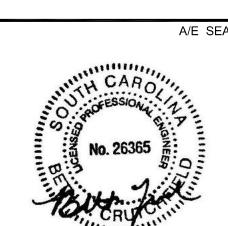
1217 Hampton Street T: 803.771.2999 F: 803.771.2858

Clumbia, SC 29201 F: 803.771.2858

III Winners Circle Albany, NY 12205 T: 518.453.4500 F: 518.458.1735







PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

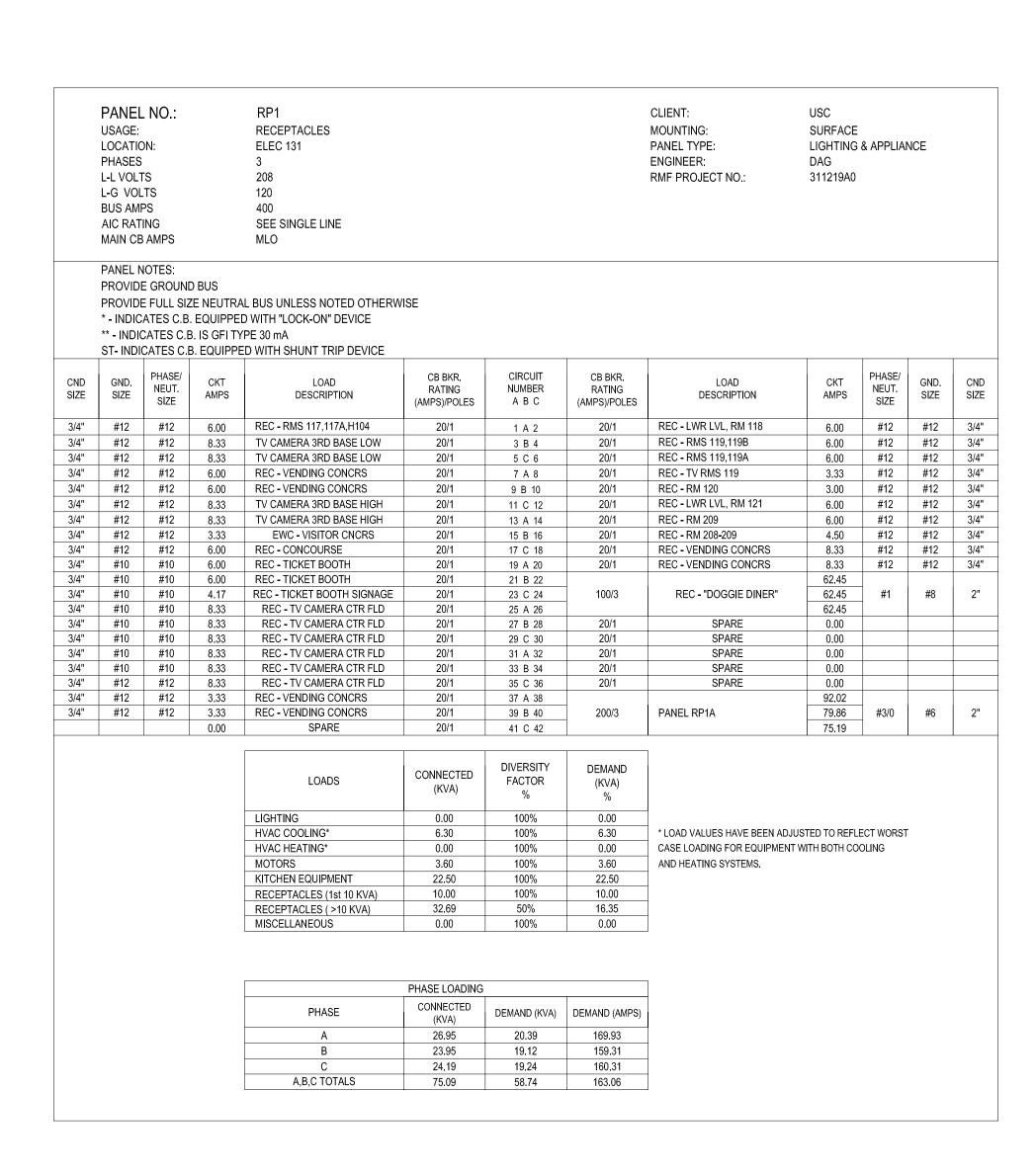
SOFTBALL STADIUM CONSTRUCTION

BID SET

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Date)	03.16.12
Droi	act No.	11 122 00

	SHEET INFORMATION
Date	03.16.12
Project No.	11.122.00
Scale	1/8" = 1'-0"
Drawn By	DAG
Checked By	BAC
State Project No.	H27-6088-MJ

ELECTRICAL
PANEL BOARD
SCHEDULES



	PANEL USAGE: LOCATIO PHASES L-L VOLT L-G VOL BUS AMF AIC RAT	DN: TS TS		RP1A SECTION 1 RECEPTACLES PA/SB 305 3 208 120 200 SEE SINGLE LINE				CLIENT: MOUNTING: PANEL TYPE: ENGINEER: RMF PROJECT NO.:	USC RECESSE LIGHTING DAG 311219A0	3 & APPLIAI	NCE	
	MAIN CB			MLO				PROVIDE FEED-THRU LUGS				
	PROVIDE * - INDIC ** - INDIC	E GROUNE E FULL SIZ ATES C.B. CATES C.E	E NEUTRA EQUIPPEI B. IS GFI TY	AL BUS UNLESS NOTED OTHERN D WITH "LOCK-ON" DEVICE 'PE 30 mA ED WITH SHUNT TRIP DEVICE	VISE							
OND SIZE	GND. SIZE	PHASE/ NEUT. SIZE	CKT AMPS	LOAD DESCRIPTION	CB BKR. RATING (AMPS)/POLES	CIRCUIT NUMBER A B C	CB BKR. RATING (AMPS)/POLES	LOAD DESCRIPTION	CKT AMPS	PHASE/ NEUT. SIZE	GND. SIZE	CI SI
3/4"	#12	#12	6.00	REC - RMS 302-303	20/1	1 A 2	20/1	REC - EXT,RM 309,EWC	6.00	#12	#12	3,
3/4"	#12	#12	6.00	REC - RMS 302-303	20/1	3 B 4	20/1	REC - FRIG RM 301	9.17	#12	#12	3/
/4" /4"	#12 #12	#12 #12	6.00	REC - RMS 302-303 REC - RMS 303-304	20/1	5 C 6	20/1	REC - RM 301 REC - RM 301	6.00	#12 #12	#12 #12	3,
4 /4"	#12	#12	6.00	REC - RMS 303-304	20/1	7 A 8 9 B 10	20/1	REC - RM 301	6.00	#12	#12	3
/4"	#12	#12	6.00	REC - RMS 303-304	20/1	11 C 12	20/1	REC - TV RM 301	4.50	#12	#12	3
/4"	#12	#12	6.00	REC - RM 305	20/1	13 A 14	20/1	REC - RMS 304-305	6.00	#12	#12	3
/4" /4"	#12 #12	#12 #12	6.00	REC - RM 305 REC - RM 305	20/1	15 B 16	20/1	REC - RMS 304-305 REC - RMS 304-305	6.00	#12 #12	#12 #12	3
4 /4"	#12	#12	6.00 7.08	HEAT TRACE TLT RMS	20/1	17 C 18 19 A 20	20/1	SPARE SPARE	0.00	#12	#12	3
•	,,,,,	,,,,	0.00	SPARE	20/1	21 B 22	20/1	SPARE	0.00			
			0.00	SPARE	20/1	23 C 24	20/1	SPARE	0.00			
			0.00	SPARE	20/1	25 A 26	20/1	SPARE	0.00			
			0.00	SPARE SPARE	20/1	27 B 28 29 C 30	20/2	FCU-15 RM 304	4.33	#12	#12	3.
/411	#40	//40	4.33			31 A 32	00/0	FOUL 40 DM 005	4.33	//40	#40	<u> </u>
3/4"	#12	#12	4.33	FCU-12 RM 301	20/2	33 B 34	20/2	FCU-16 RM 305	4.33	#12	#12	3/
3/4"	#12	#12	4.33	FCU-13 RM 302	20/2	35 C 36	20/2	FCU-17 RM 306	4.33	#12	#12	3/
			4.33			37 A 38 39 B 40			4.33 4.33			
3/4"	#12	#12	4.33	FCU-14 RM 303	20/2	41 C 42	20/2	FCU-18 RM 307	4.33	#12	#12	3/
				LOADS	CONNECTED (KVA)	DIVERSITY FACTOR %	DEMAND (KVA) %					
				LIGHTING	0.00	100%	0.00					
				HVAC COOLING*	6.30	100%	6.30	* LOAD VALUES HAVE BEEN AD				
				HVAC HEATING* MOTORS	0.00 3.60	100% 100%	0.00 3.60	CASE LOADING FOR EQUIPMENT AND HEATING SYSTEMS.	AT ANTIH ROTH CC	JULING		
				KITCHEN EQUIPMENT	0.00	100%	0.00	AND HEATING STOTEWS.				
				RECEPTACLES (1st 10 KVA)	10.00	100%	10.00					
				RECEPTACLES (>10 KVA)	9.77	50%	4.89	_				
				MISCELLANEOUS	0.00	100%	0.00					
					PHASE LOADING							
				PHASE	CONNECTED (KVA)	DEMAND (KVA)	DEMAND (AMPS)					
				A	11.05	8.69	72.43					
				В	9.59	8.19	68.22	1				
				С	9.03	7,91	65.89					
				A,B,C TOTALS	29.67	24.78	68.80	i .				

PROVIDE * - INDICA ** - INDIC	IDE GROUN IDE FULL SI ICATES C.E DICATES C. DICATES C. PHASE/ NEUT. SIZE #12 #12 #12 #12 #10 #10	SIZE NEUTRAI B. EQUIPPE C.B. IS GFI TYI C.B. EQUIPPE CKT AMPS 6.00 6.00 7.50 2.88 2.88 2.88 2.88 2.88	L BUS UNLESS NOTED OTHERW D WITH "LOCK-ON" DEVICE PE 30 mA D WITH SHUNT TRIP DEVICE LOAD DESCRIPTION REC - RMS 306	CB BKR. RATING (AMPS)/POLES 20/1 20/1 20/1 20/1 20/1 20/2 20/2	CIRCUIT NUMBER A B C 43 A 44 45 B 46 47 C 48 49 A 50 51 B 52 53 C 54	CB BKR. RATING (AMPS)/POLES 20/1 20/1 20/1 20/1 20/1	LOAD DESCRIPTION REC - RM 307 REC - RM 307 REC - RM 307	CKT AMPS 6.00 6.00	PHASE/ NEUT. SIZE #12	GND. SIZE #12
SIZE SIZE 3/4" #12 3/4" #12 3/4" #12 3/4" #12 3/4" #10 3/4" #10	#12 #12 #12 #12 #12 #10 #10	6.00 6.00 6.00 7.50 2.88 2.88 2.88 2.88 2.88 2.88	DESCRIPTION REC - RMS 306 REC - RMS 306 REC - RMS 306 REC - EXT, RM 308, EWC WINDOW OPENER RM 306 WINDOW OPENER RM 305	RATING (AMPS)/POLES 20/1 20/1 20/1 20/1 20/1 20/2	NUMBER A B C 43 A 44 45 B 46 47 C 48 49 A 50 51 B 52	RATING (AMPS)/POLES 20/1 20/1 20/1 20/1 20/1	DESCRIPTION REC - RM 307 REC - RM 307 REC - RM 307	6.00 6.00	NEUT. SIZE #12	SIZE #12
3/4" #12 3/4" #12 3/4" #12 3/4" #10 3/4" #10	#12 #12 #12 #10 #10	6.00 6.00 7.50 2.88 2.88 2.88 2.88 2.88 2.88 2.88	REC - RMS 306 REC - RMS 306 REC - EXT, RM 308, EWC WINDOW OPENER RM 306 WINDOW OPENER RM 305	20/1 20/1 20/1 20/2	45 B 46 47 C 48 49 A 50 51 B 52	20/1 20/1 20/1	REC - RM 307 REC - RM 307	6.00		
3/4" #12 3/4" #12 3/4" #10 3/4" #10	#12 #12 #10 #10	6.00 7.50 2.88 2.88 2.88 2.88 2.88 2.88 0.00	REC - RMS 306 REC - EXT, RM 308, EWC WINDOW OPENER RM 306 WINDOW OPENER RM 305	20/1 20/1 20/2	47 C 48 49 A 50 51 B 52	20/1 20/1	REC - RM 307		#10	
3/4" #12 3/4" #12 3/4" #10 3/4" #10	#12 #12 #10 #10	6.00 7.50 2.88 2.88 2.88 2.88 2.88 2.88 0.00	REC - RMS 306 REC - EXT, RM 308, EWC WINDOW OPENER RM 306 WINDOW OPENER RM 305	20/1 20/1 20/2	47 C 48 49 A 50 51 B 52	20/1 20/1	REC - RM 307		#12	#12
3/4" #10 3/4" #10	#12 #10 #10	2.88 2.88 2.88 2.88 2.88 2.88 0.00	REC - EXT, RM 308, EWC WINDOW OPENER RM 306 WINDOW OPENER RM 305	20/1 20/2	51 B 52	20/1	DEC TVDM 202	6.00	#12	#12
3/4" #10	#10	2.88 2.88 2.88 2.88 2.88 0.00	WINDOW OPENER RM 305			20/2	REC - TV RM 307	4.50	#12	#12
		2.88 2.88 2.88 0.00		20/2		20/2	WINDOW OPENER RM 304	2.88 2.88	#10	#10
3/4" #10	#10	2.88 0.00	WINDOW OPENER RM 305	1	55 A 56 57 B 58	20/2	WINDOW OPENER RM 303	2.88	#10	#10
			SPARE	20/2	59 C 60 61 A 62 63 B 64	20/2	WINDOW OPENER RM 302 SPARE	2.88 2.88 0.00	#10	#10
			SPARE	20/1	65 C 66	20/1	SPARE	0.00		
		0.00	SPARE	20/1	67 A 68	20/1	SPARE	0.00		
		0.00	SPARE	20/1	69 B 70	20/1	SPARE	0.00		
		0.00	SPARE	20/1	71 C 72	20/1	SPARE	0.00		
		0.00	SPARE	20/1	73 A 74	20/1	SPARE	0.00		
		0.00	SPARE	20/1	75 B 76	20/1	SPARE	0.00		
		0.00	SPARE	20/1	77 C 78	20/1	SPARE	0.00		
		0.00	SPARE	20/1	79 A 80	20/1	SPARE	0.00		
		0.00	SPARE	20/1	81 B 82	20/1	SPARE	0.00		
		0.00	SPARE	20/1	83 C 84	20/1	SPARE	0.00		
			LOADS	CONNECTED (KVA)	DIVERSITY FACTOR %	DEMAND (KVA) %				
			LIGHTING	0.00	100%	0.00				
			HVAC COOLING*	0.00	100%	0.00	* LOAD VALUES HAVE BEEN ADJUS			
			HVAC HEATING*	0.00	100%	0.00	CASE LOADING FOR EQUIPMENT W	MITH ROTH CO	ULING	
			MOTORS KITCHEN FOLIDMENT	3.60	100%	3.60	AND HEATING SYSTEMS.			
			KITCHEN EQUIPMENT	0.00 5.76	100% 100%	0.00 5.76				
			RECEPTACLES (1st 10 KVA) RECEPTACLES (>10 KVA)	0.00	50%	0.00				
			MISCELLANEOUS	0.00	100%	0.00				
		l								
				PHASE LOADING						
			PHASE	CONNECTED (KVA)	DEMAND (KVA)	DEMAND (AMPS)				
			A	4.08	4.08	34.00				
			В	2.64	2.64	22.00				
			C A,B,C TOTALS	2.64	2.64	22.00				
			A,D,O TOTALO	9.36	9.36	25.98				

PANEL NOTES: PROVIDE GROUND BUS PROVIDE FULL SIZE NEUTRAL BUS UNLESS NOTED OTHERWISE *- INDICATES C.B. EQUIPPED WITH "LOCK-ON" DEVICE * INDICATES C.B. IS GFI TYPE 30 mA ST- INDICATES C.B. EQUIPPED WITH SHUNT TRIP DEVICE CND GND. SIZE SIZE NEUT. SIZE AMPS DESCRIPTION GND. SIZE SIZE NEUT. SIZE AMPS DESCRIPTION GND. SIZE SIZE AMPS DESCRIPTION GND. SIZE SIZE AMPS DESCRIPTION 3/4" #12 #12 #12 4.33 FCU-07 RM 120 20/2 3/4" #12 #12 #12 4.33 FCU-11 TICKET BOOTH 20/2 3/4" #12 #12 #12 6.73 HAND DRYER RM 117A 20/2 3/4" #12 #12 #12 6.73 HAND DRYER RM 209 20/2 3/4" #12 #12 #12 6.73 HAND DRYER RM 209 20/2 3/4" #12 #12 #12 6.73 HAND DRYER RM 209 20/2 3/4" #12 #12 #12 6.73 HAND DRYER RM 209 20/2 3/4" #12 #12 #12 6.73 HAND DRYER RM 209 20/2 3/4" #12 #12 #12 6.73 HAND DRYER RM 209 20/2 3/4" #12 #12 #12 6.73 HAND DRYER RM 209 20/2 3/4" #12 #12 #12 5.00 DUGOUT LIFT 20/1 3/4" #12 #12 #12 5.00 DUGOUT LIFT 20/1 0.00 SPARE 20/1 1.0ADS CONNECTED (KVA) WOOTORS 0.000 NOTORS 0.000 RECEPTACLES (1st 10 KVA) 0.000 MISCELLANEOUS 11.440	CIRCUIT NUMBER A B C 1 A 2 3 B 4 5 C 6 7 A 8 9 B 10	CB BKR. RATING (AMPS)/POLES	LOAD DESCRIPTION	СКТ			
SIZE SIZE NEUT. SIZE AMPS DESCRIPTION RATING (AMPS)/POLES	NUMBER A B C 1 A 2 3 B 4 5 C 6 7 A 8 9 B 10	RATING (AMPS)/POLES		СКТ	_	1	_
3/4" #12 #12 #12 4.33 FCU-08 RM 1119 20/2 3/4" #12 #12 #12 4.33 FCU-08 RM 1119 20/2 3/4" #12 #12 #12 6.73 FCU-08 RM 117A 20/2 3/4" #12 #12 #12 6.73 HAND DRYER RM 209 20/2 3/4" #12 #12 #12 6.73 HAND DRYER RM 209 20/2 3/4" #12 #12 #12 6.73 HAND DRYER RM 209 20/2 3/4" #12 #12 #12 6.73 HAND DRYER RM 209 20/2 3/4" #12 #12 6.73 HAND DRYER RM 209 20/2 3/4" #12 #12 6.73 HAND DRYER RM 209 20/2 3/4" #12 #12 5.00 DUGOUT LIFT 20/1 3/4" #12 #12 5.00 DUGOUT LIFT 20/1 0.00 SPARE 20/1 1.0ADS CONNECTED (KVA) MOTORS 0.00 KITCHEN EQUIPMENT 0.00 RECEPTACLES (1st 10 KVA) 0.00 RECEPTACLES (1st 10 KVA) 0.00 MISCELLANEOUS 14.40	3 B 4 5 C 6 7 A 8 9 B 10	20/2	•	AMPS	PHASE/ NEUT. SIZE	GND. SIZE	CND SIZE
3/4" #12 #12 4.33 FCU-108 RM 1119 20/2 3/4" #12 #12 4.33 FCU-11 TICKET BOOTH 20/2 3/4" #12 #12 6.73 HAND DRYER RM 117A 20/2 3/4" #12 #12 6.73 HAND DRYER RM 209 20/2 3/4" #12 #12 6.73 HAND DRYER RM 209 20/2 3/4" #12 #12 6.73 HAND DRYER RM 209 20/2 3/4" #12 #12 6.73 HAND DRYER RM 209 20/2 3/4" #12 #12 6.73 HAND DRYER RM 209 20/2 3/4" #12 #12 3.33 RP-03 20/1 3/4" #12 #12 5.00 DUGOUT LIFT 20/1 3/4" #12 #12 5.00 DUGOUT LIFT 20/1 0.00 SPARE 20/1 0.00 20/2 0.00 20/2 0.00 20/2 0.00 20/2 0	7 A 8 9 B 10		ACCU-11 TICKET BOOTH	4.33 4.33	#12	#12	3/4"
3/4" #12 #12 #12 6.73		20/2	ACCU-07	4.33 4.33	#12	#12	3/4"
3/4	11 C 12	20/2	ACCU-08	4.33 4.33	#12	#12	3/4"
3/4"	13 A 14	20/1	SPARE SPARE	0.00			
10	15 B 16 17 C 18			6.73	#10	#10	3/4"
3/4" #12 #12 6.73 HAND DRYER RM 209 20/2 3/4" #12 #12 6.73 HAND DRYER RM 209 20/2 3/4" #12 #12 #12 3.33 RP-03 20/1 3/4" #12 #12 5.00 DUGOUT LIFT 20/1 0.00 SPARE 20/1 CONNECTED (KVA) HVAC COOLING* 5.40 HVAC HEATING* 0.00 MOTORS 0.00 KITCHEN EQUIPMENT 0.00 RECEPTACLES (1st 10 KVA) 0.00 RECEPTACLES (>10 KVA) 0.00 MISCELLANEOUS 14.40	19 A 20	20/2	HAND DRYER RM 208	6.73	#12	#12	3/4
S/4" #12 #12 #12 6.73 HAND DRYER RM 209 20/2	21 B 22 23 C 24	20/2	HAND DRYER RM 208	6.73	#12	#12	3/4"
#12	25 A 26 27 B 28	20/1	HEAT TRACE LWR LVL VISITOR HEAT TRACE LWR LVL VISITOR	10.00	#12 #12	#12 #12	3/4" 3/4"
1	29 C 30	20/1	HEAT TRACE LWR LVL VISITOR	10.00	#12	#12	3/4"
1	31 A 32	20/1	SPARE	0.00			
0.00 SPARE 20/1 0.00 SPARE 20/1 0.00 SPARE 20/1 0.00 SPARE 20/1 10	33 B 34 35 C 36	20/1	SPARE SPARE	0.00			-
LOADS CONNECTED (KVA) LIGHTING 0.00 HVAC COOLING* 5.40 HVAC HEATING* 0.00 MOTORS 0.00 KITCHEN EQUIPMENT 0.00 RECEPTACLES (1st 10 KVA) 0.00 RECEPTACLES (>10 KVA) 0.00 MISCELLANEOUS 14.40	37 A 38	20/1	SPARE	0.00			_
LOADS CONNECTED (KVA) LIGHTING 0.00 HVAC COOLING* 5.40 HVAC HEATING* 0.00 MOTORS 0.00 KITCHEN EQUIPMENT 0.00 RECEPTACLES (1st 10 KVA) 0.00 RECEPTACLES (>10 KVA) 0.00 MISCELLANEOUS 14.40	39 B 40	20/1	SPARE	0.00			
LIGHTING 0.00 HVAC COOLING* 5.40 HVAC HEATING* 0.00 MOTORS 0.00 KITCHEN EQUIPMENT 0.00 RECEPTACLES (1st 10 KVA) 0.00 RECEPTACLES (>10 KVA) 0.00 MISCELLANEOUS 14.40	41 C 42	20/1	SPARE	0.00			
HVAC COOLING* 5.40 HVAC HEATING* 0.00 MOTORS 0.00 KITCHEN EQUIPMENT 0.00 RECEPTACLES (1st 10 KVA) 0.00 RECEPTACLES (>10 KVA) 0.00 MISCELLANEOUS 14.40	DIVERSITY FACTOR %	DEMAND (KVA) %					
HVAC HEATING* 0.00 MOTORS 0.00 KITCHEN EQUIPMENT 0.00 RECEPTACLES (1st 10 KVA) 0.00 RECEPTACLES (>10 KVA) 0.00 MISCELLANEOUS 14.40	100%	0.00					
MOTORS 0.00 KITCHEN EQUIPMENT 0.00 RECEPTACLES (1st 10 KVA) 0.00 RECEPTACLES (>10 KVA) 0.00 MISCELLANEOUS 14.40	100%	5.40	* LOAD VALUES HAVE BEEN ADJUS			Ī	
KITCHEN EQUIPMENT 0.00 RECEPTACLES (1st 10 KVA) 0.00 RECEPTACLES (>10 KVA) 0.00 MISCELLANEOUS 14.40	100%	0.00	CASE LOADING FOR EQUIPMENT W	/I FH BOTH CO	OOLING		
RECEPTACLES (1st 10 KVA) 0.00 RECEPTACLES (>10 KVA) 0.00 MISCELLANEOUS 14.40	100% 100%	0.00	AND HEATING SYSTEMS.				
RECEPTACLES (>10 KVA) 0.00 MISCELLANEOUS 14.40	100%	0.00	1				
MISCELLANEOUS 14.40	50%	0.00	1				
DHASE I OADIN	100%	14.40					
DHASE LOADIA							
PHASE LOADIN	3						
PHASE CONNECTED (KVA)	1						
A 6.50	DEMAND (KVA)	54.17					
B 6.20	6.50	51.67	-				
C 7.10 A,B,C TOTALS 19.80		59.17 54.96	-				

	PANEL USAGE: LOCATIC PHASES L-L VOLT L-G VOL BUS AMF	DN: TS .TS PS		RP2 RECEPTACLES ELEC 107 3 208 120 100				CLIENT: MOUNTING: PANEL TYPE: ENGINEER: RMF PROJECT NO.:	USC SURFACE LIGHTING DAG 311219A0	& APPLIA	NCE	
	AIC RATI MAIN CB			SEE SINGLE LINE 100								
	PROVIDE * - INDIC	E GROUNI E FULL SIZ ATES C.B	ZE NEUTRA . EQUIPPEI	L BUS UNLESS NOTED OTHER\) WITH "LOCK-ON" DEVICE	WISE							
			3. IS GFI TY B. EQUIPPE	PE 30 mA D WITH SHUNT TRIP DEVICE								
CND SIZE	GND. SIZE	PHASE/ NEUT. SIZE	CKT AMPS	LOAD DESCRIPTION	CB BKR. RATING (AMPS)/POLES	CIRCUIT NUMBER A B C	CB BKR. RATING (AMPS)/POLES	LOAD DESCRIPTION	CKT AMPS	PHASE/ NEUT. SIZE	GND. SIZE	CN SIZ
3/4"	#12	#12	5.00	REC - RMS 109-109A	20/1	1 A 2	20/1	REC - RMS V101,H103,114A,114	6.00	#12	#12	3/-
3/4"	#12	#12	5.00	REC - RMS 110,115	20/1	3 B 4	20/1	REC - RMS V101,H103,114A,114	6.00	#12	#12	3/4
3/4"	#12	#12	6.00	REC - RMS 110,111,115	20/1	5 C 6	20/1	REC - RMS V101,H103,114A,114	6.00	#12	#12	3/
/4"	#12	#12	6.00	REC - RMS 201-205	20/1	7 A 8	20/1	REC - RMS 101,102	6.00	#12	#12	3/
/4" /4"	#12 #12	#12 #12	6.00 6.00	REC - RMS 201-205 REC - RMS 201-205	20/1	9 B 10	20/1	REC - RMS 101,102 REC - RMS 101,102	6.00	#12 #12	#12 #12	3,
8/4"	#12	#12	6.00	REC - RMS 201-205	20/1	11 C 12 13 A 14	20/1	REC - RMS 101,102	6.00	#12	#12	3/
/ /4"	#12	#12	6.00	REC - ICE MAKER RM 113	20/1	15 A 14	20/1	REC - RMS 106-108	6.00	#12	#12	3
/4"	#12	#12	6.00	REC - RMS 112,113	20/1	17 C 18	20/1	REC - RMS 106-108	6.00	#12	#12	3/
3/4"	#12	#12	6.00	REC - RMS 112,113	20/1	19 A 20	20/1	REC - ELEC 106	6.00	#12	#12	3/
3/4"	#12	#12	6.00	REC - RMS 112,113	20/1	21 B 22	20/1	REC - RM 201	6.00	#12	#12	3/
3/4"	#12	#12	9.70	REC - ICE MAKER RM 110	20/1	23 C 24	20/1	REC - RM 201	6.00	#12	#12	3/
			0.00	SPARE	20/1	25 A 26	20/1	REC - RM 201	6.00	#12	#12	3/
			0.00	SPARE SPARE	20/1	27 B 28 29 C 30	20/1	REC - RM 201B REC - RM 201B	3.00	#12 #12	#12 #12	3/-
			0.00	SPARE	20/1	31 A 32	20/1	REC - ICE MAKER RM 201B	9.17	#12	#12	3/-
3/4"	#12	#12	8.33	TV CAMERA 1ST BASE LOW	20/1	33 B 34	20/1	REC - DISHWASHER RM 201B	10.00	#12	#12	3/-
3/4"	#12	#12	8.33	TV CAMERA 1ST BASE LOW	20/1	35 C 36	20/1	REC - RMS 201A, 204	6.00	#12	#12	3/-
3/4"	#12	#12	8.33	TV CAMERA 1ST BASE HIGH	20/1	37 A 38	20/1	REC - TV RM 201	3.33	#12	#12	3/
3/4"	#12	#12	8.33	TV CAMERA 1ST BASE HIGH	20/1	39 B 40	20/1	REC - FRIG RM 201B	9.17	#12	#12	3/-
3/4"	#12	#12	5.00	ATM	20/1	41 C 42	20/1	REC - MICROWAVE RM 201B	8.33	#12	#12	3/-
				LOADS	CONNECTED (KVA)	DIVERSITY FACTOR %	DEMAND (KVA) %					
				LIGHTING	0.00	100%	0.00					
				HVAC COOLING*	0.00	100%	0.00	* LOAD VALUES HAVE BEEN ADJUS	STED TO REFL	ECT WORST	-	
				HVAC HEATING*	0.00	100%	0.00	CASE LOADING FOR EQUIPMENT V	ITH BOTH CC	OLING		
				MOTORS	0.00	100%	0.00	AND HEATING SYSTEMS.				
				KITCHEN EQUIPMENT	0.00	100% 100%	0.00	_				
				RECEPTACLES (1st 10 KVA) RECEPTACLES (>10 KVA)	19.04	50%	9.52	-				
				MISCELLANEOUS	0.00	100%	0.00					
								7				
					PHASE LOADING	i T	T	-				
				PHASE	CONNECTED (KVA)	DEMAND (KVA)	DEMAND (AMPS)					
				A	8.86	6.10	50.81					
				В	10.30	6.82	56.81					
				С	9.88	6.61	55.07	_				
				A,B,C TOTALS	29,04	19,52	54.19	į.				

	PANEL USAGE: LOCATIC PHASES L-L VOLT L-G VOL BUS AMF AIC RAT MAIN CB	DN: TS TS PS ING		M2 EQUIPMENT ELEC 107 3 208 120 100 SEE SINGLE LINE 100				CLIENT: MOUNTING: PANEL TYPE: ENGINEER: RMF PROJECT NO.:	USC SURFACE LIGHTING DAG 311219A0	& APPLIAI	NCE	
	PROVIDE * - INDIC ** - INDIC	E GROUN E FULL SIZ ATES C.B CATES C.I	ZE NEUTRA 3. EQUIPPEI B. IS GFI TY	AL BUS UNLESS NOTED OTHERV D WITH "LOCK-ON" DEVICE PE 30 mA ED WITH SHUNT TRIP DEVICE	VISE							
CND SIZE	GND. SIZE	PHASE/ NEUT. SIZE	CKT AMPS	LOAD DESCRIPTION	CB BKR. RATING (AMPS)/POLES	CIRCUIT NUMBER A B C	CB BKR. RATING (AMPS)/POLES	LOAD DESCRIPTION	CKT AMPS	PHASE/ NEUT. SIZE	GND. SIZE	
3/4"	#12	#12	4.33 4.33	FCU-01 RM 101	20/2	1 A 2 3 B 4	20/2	FCU-04 RM 104	4.33 4.33	#12	#12	
3/4"	#12	#12	4.33 4.33	FCU-02 RM 113	20/2	5 C 6 7 A 8	20/2	FCU-09 RM 201	4.33 4.33	#12	#12	1
3/4"	#12	#12	4.33 4.33	FCU-03 RM 112	20/2	9 B 10 11 C 12	20/2	FCU-10 RM 206	4.33 4.33	#12	#12	
3/4"	#12	#12	3.85 3.85	BC-01	20/2	13 A 14 15 B 16	20/2	HAND DRYER RM 109A	6.73 6.73	#12	#12	
3/4"	#12	#12	4.33	FCU-05	20/2	17 C 18	20/1 20/1	SPARE SPARE	0.00			+
3/4"	#12	#12	4.33 3.33	RP-01	20/1	19 A 20 21 B 22	20/1	REC - VEND. HOME CONCRS LVL	0.00 8.33	#12	#12	+
3/4"	#12	#12	3.33	RP-02	20/1	23 C 24	20/1	REC - VEND. HOME CONCRS LVL		#12	#12	$^{+}$
3/4"	#12	#12	5.00	HOME DUGOUT LIFT	20/1	25 A 26	20/1	REC - VEND. HOME CONCRS LVL		#12	#12	Ī
3/4"	#12	#12	4.17	BF-01 (DRYER FAN)	20/1	27 B 28	20/1	REC - VEND. HOME CONCRS LVL		#12	#12	1
3/4"	#12	#12	3.33	REC - WASHER CHEMICAL	20/1	29 C 30	20/1	EWC - CORR H101	3.33	#12	#12	+
			0.00	SPARE SPARE	20/1	31 A 32 33 B 34	20/1	HEAT TRACE TLT 109A SPARE	1.67 0.00	#12	#12	+
			0.00	SPARE	20/1	35 C 36	20/1	SPARE	0.00			+
			16.65	OFFICE	2071	37 A 38	20/1	SPARE	0.00			+
3/4"	#10	#8	16.65	WASHER RM 112	40/3	39 B 40	20/1	SPARE	0.00			T
			16.65			41 C 42	20/1	SPARE	0.00			L
				LOADS	CONNECTED (KVA)	DIVERSITY FACTOR %	DEMAND (KVA) %					
				LIGHTING	0.00	100%	0.00	*1.048.7/41.1/50	TED TO T	FOTUS	<u>-</u>	
				HVAC COOLING* HVAC HEATING*	8.50 0.00	100% 100%	8.50 0.00	* LOAD VALUES HAVE BEEN ADJUS' CASE LOADING FOR EQUIPMENT W				
				MOTORS	0.00	100%	0.00	AND HEATING SYSTEMS.	אט ווו טט יייין	OFINO		
				KITCHEN EQUIPMENT	0.00	100%	0.00	The state of the s				
				RECEPTACLES (1st 10 KVA)	4.00	100%	4.00					
				RECEPTACLES (>10 KVA)	0.00	50%	0.00					
				MISCELLANEOUS	8.90	100%	8.90					
					PHASE LOADING	i						
				PHASE	CONNECTED (KVA)	DEMAND (KVA)	DEMAND (AMPS)					
				A	7.15	7.15	59.58					
				В	7.80	7.80	65.00					
				С	6.45	6.45	53.75					
				A,B,C TOTALS	21.40	21.40	59.40					

PANEL PANEL PANEL RP1A SEC 1 SEC 2

PANEL PANEL PANEL PANEL M1 RP2 M2



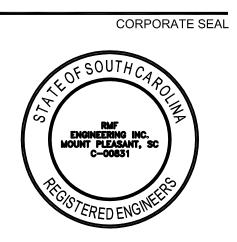
1217 Hampton Street T: 803.771.2999

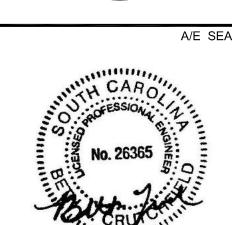
Columbia, SC 29201 F: 803.771.2858

III Winners Circle Albany, NY 12205

T: 518.453.4500 F: 518.458.1735







PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

SOFTBALL STADIUM CONSTRUCTION

BID SET

		REVISION
10	REVISION	DAT
		-

	SHEET INFORMATION
Date	03.16.12
Project No.	11.122.00
Scale	1/8" = 1'-0"
Drawn By	DAG
Checked By	BAC
State Project No.	H27-6088-MJ

ELECTRICAL PANEL BOARD SCHEDULES

	PANEL USAGE: LOCATIC PHASES L-L VOLT L-G VOL BUS AMP AIC RAT MAIN CB	DN: TS TS PS ING		RP3 RECEPTACLES BATTING CAGE 124 3 208 120 100 SEE SINGLE LINE 100				CLIENT: MOUNTING: PANEL TYPE: ENGINEER: RMF PROJECT NO.:	USC RECESSE LIGHTING DAG 311219A0		NCE	
	PANEL N PROVIDE PROVIDE * - INDIC ** - INDIC	IOTES: E GROUNE E FULL SIZ ATES C.B. CATES C.B	E NEUTRA EQUIPPEI . IS GFI TY	L BUS UNLESS NOTED OTHER O WITH "LOCK-ON" DEVICE	WISE							
CND SIZE	GND. SIZE	PHASE/ NEUT. SIZE	CKT AMPS	LOAD DESCRIPTION	CB BKR. RATING (AMPS)/POLES	CIRCUIT NUMBER A B C	CB BKR. RATING (AMPS)/POLES	LOAD DESCRIPTION	CKT AMPS	PHASE/ NEUT. SIZE	GND. SIZE	CN SIZ
3/4"	#12	#12	1.50	REC - FLOOR MOUNTED	20/1	1 A 2	20/1	MOTORIZED DAMPER	1.67	#12	#12	3/4
3/4"	#12	#12	1.50	REC - FLOOR MOUNTED	20/1	3 B 4	20/1	MOTORIZED DAMPER	1.67	#12	#12	3/4
3/4"	#12	#12	1.50	REC - FLOOR MOUNTED	20/1	5 C 6	20/1	VEF-01	3.33	#12	#12	3/4
3/4"	#12	#12	1.50	REC - WALL MOUNTED	20/1	7 A 8	20/1	REC - TV	3.33	#12	#12	3/4
3/4"	#12	#12	1.50	REC - WALL MOUNTED	20/1	9 B 10	20/1	REC - TV	3.33	#12	#12	3/4
3/4"	#12	#12	1.50	REC - WALL MOUNTED	20/1	11 C 12	20/1	REC - TV	3.33	#12	#12	3/-
3/4"	#12	#12	1.50	REC - WALL MOUNTED	20/1	13 A 14	20/1	OVERHEAD DOOR	9.80	#12	#12	3/4
3/4"	#12 #12	#12 #12	1.50 1.50	REC - WALL MOUNTED REC - WALL MOUNTED	20/1	15 B 16 17 C 18	20/1	OVERHEAD DOOR OVERHEAD DOOR	9.80	#12 #12	#12 #12	3/-
3/4"	#12	#12	1.50	REC - WALL MOUNTED	20/1	19 A 20	20/1	OVERHEAD DOOR	9.80	#12	#12	3/4
3/4"	#12	#12	1.50	REC - WALL MOUNTED	20/1	21 B 22	20/1	SPARE	0.00	#12	#12	- 0/-
3/4"	#12	#12	1.50	REC - EXTERIOR WALL	20/1	23 C 24	20/1	SPARE	0.00			
			0.00	SPARE	20/1	25 A 26	20/1	SPARE	0.00			1
			0.00	SPARE	20/1	27 B 28	20/1	SPARE	0.00			
			0.00	SPARE	20/1	29 C 30	20/1	SPARE	0.00			
			0.00	SPARE	20/1	31 A 32	20/1	SPARE	0.00			
			0.00	SPARE	20/1	33 B 34	20/1	SPARE	0.00			
			0.00	SPARE	20/1	35 C 36	20/1	SPARE	0.00			-
			0.00	SPARE	20/1	37 A 38	20/1	SPARE	0.00			-
			0.00	SPARE SPARE	20/1	39 B 40 41 C 42	20/1	SPARE SPARE	0.00			+
			0.00	SPARE	20/1	41 0 42	20/1	SPARE	0.00			
				LOADS	CONNECTED (KVA)	DIVERSITY FACTOR %	DEMAND (KVA) %					
				LIGHTING	0.00	100%	0.00				_	
				HVAC COOLING*	0.80	100%	0.80	* LOAD VALUES HAVE BEEN A			_	
				HVAC HEATING*	0.00	100%	0.00	CASE LOADING FOR EQUIPME	ENT WITH BOTH CO	OULING		
				MOTORS	0.00	100%	0.00	AND HEATING SYSTEMS.				
				KITCHEN EQUIPMENT	0.00 3.36	100%	0.00 3.36	-				
				RECEPTACLES (1st 10 KVA) RECEPTACLES (>10 KVA)	0.00	50%	0.00	-				
				MISCELLANEOUS	4.70	100%	4.70	-				
								1				
					PHASE LOADING	3						
				PHASE	CONNECTED (KVA)	DEMAND (KVA)	DEMAND (AMPS)					
				A	3.67	3.67	30.60					
				В	2.50	2.50	20.80					
				С	2.70	2.70	22.47	1				
				A,B,C TOTALS	8.86	8.86	24.60	-				

SIZE SIZE NOTE AMPS DESCRIPTION AMPS NOTE AMPS SIZE		PANEL USAGE: LOCATIC PHASES L-L VOLT L-G VOL BUS AMF AIC RAT MAIN CB	DN: FS TS PS		K1 CONCESSIONS CONCESSIONS 207 3 208 120 200 SEE SINGLE LINE MLO				CLIENT: MOUNTING: PANEL TYPE: ENGINEER: RMF PROJECT NO.:	USC RECESSE LIGHTING DAG 311219A0	& APPLIAI	NCE	
SEC SIZE SIZE AIM'S DESCRIPTION PATING PATI		PROVIDE	E GROUNI		AL BUS UNLESS NOTED OTHER	WISE							
1412			NEUT.			RATING	NUMBER	RATING			NEUT.		CND SIZE
341 #12 #12 #12 #12 #12 #12 #13 #14 #14 #15	3/4"	#12	#12	8.00	AIR CURTAIN FANS	20/1	1 A 2	20/1	REC - GLASS DRINK FRIG	5.00	#12	#12	3/4"
May	3/4"	#12	#12		REC - ICE MAKER			20/1	REC - POPCORN		#12	#12	3/4"
134" 1412 1412 1.50 REC -FOUNTAINORNIK 2011 9 B 10 2011 REC -HOT DOG WARNER 11.677 412 412 38 38 412 412 18.67 REC -FOEEZER 2011 11 C 12 2011 REC -FOEEZER 2012 412 38 38 412 412 813 812 412 812 813 814 412 412 813 814 412 412 813 814 412 412 813 814 412 412 813 814 412 412 813 814 412 412 813 814 412 412 813 814 412 412 813 814 412 412 813 814 412 412 813 814 412 412 813 814 412 412 813 814 412 412 813 814 412 412 813 814 412 412 813 814 412 412 813 814 412 412 813 814 412 412 813 814							5 C 6						3/4"
MIT MIT MIT MIT RECICE MAKER 2011 11 0 1 2 2011 RECCHEES DISP. 2.08 MIT													3/4"
MI													3/4"
Mar #12 #12 5.50 REC - COOLER 2011 15 B 16 2011 REC - COOLESSIONS 3.00 #12 #12 3.1			-								_		3/4"
12													3/4" 3/4"
MIT #12 #12 1.50 REC - UNDERCOUNTER 2011 19 A 20 2014 REC - RECIRC FAINS 2.67 #12 #12 3.8													3/4"
MT													3/4"
#12	3/4"		#12		REC - UNDERCOUNTER	20/1		20/1	SIGNAGE				3/4"
141		#12	#12	1.50	REC - UNDERCOUNTER	20/1	23 C 24	20/1	REC - TV			#12	3/4"
0.00 SPARE 20/1 29 C 30 20/1 SPARE 0.00													3/4"
0.00 SPARE 20/1 31 A 32 20/1 SPARE 0.00	3/4"	#12	#12								#12	#12	3/4"
14.42							+						
#12 #12 14.42 RAUIAN HEAT PANELS 20/2 35 C 36 20/1 SPARE 0.00					SPARE	20/1		+					
0.00 SPARE 20/1 37 A 38 20/1 SPARE 0.00	3/4"	#12	#12		RADIANT HEAT PANELS	20/2							
LOADS					SPARE	20/1							
LOADS CONNECTED (KVA) CONNECTED (KVA) DIVERSITY FACTOR (KVA) LIGHTING 0.50 100% 0.50 HVAC COOLING* 0.32 100% 0.32 HVAC HEATING* 3.00 100% MOTORS 0.96 100% 0.96 100% 14.97 RECEPTACLES (1st 10 KVA) 1.12 RECEPTACLES (>10 KVA) MISCELLANEOUS 1.66 DIVERSITY FACTOR (KVA) 0.32 LOAD VALUES HAVE BEEN ADJUSTED TO REFLECT WORST CASE LOADING FOR EQUIPMENT WITH BOTH COOLING AND HEATING SYSTEMS. PHASE LOADING PHASE LOADING PHASE LOADING CONNECTED (KVA) DEMAND (KVA) DEMAND (KVA) DEMAND (AMPS) A 6.45 6.45 6.45 53.75 B 9.10 9.10 75.83 C 6.98 6.98 58.13					SPARE		39 B 40						
LIGHTING				0.00	SPARE	20/1	41 C 42	20/1	SPARE	0.00			
HVAC COOLING* 0.32 100% 0.32 LOAD VALUES HAVE BEEN ADJUSTED TO REFLECT WORST CASE LOADING FOR EQUIPMENT WITH BOTH COOLING AND HEATING SYSTEMS. MOTORS 0.96 100% 0.96 AND HEATING SYSTEMS. KITCHEN EQUIPMENT 14.97 100% 14.97 RECEPTACLES (1st 10 KVA) 1.12 100% 1.12 RECEPTACLES (>10 KVA) 0.00 50% 0.00 MISCELLANEOUS 1.66 100% 1.66 PHASE CONNECTED (KVA) DEMAND (KVA) DEMAND (AMPS) A 6.45 6.45 53.75 B 9.10 9.10 75.83 C 6.98 6.98 58.13					LOADS		FACTOR	(KVA)					
HVAC HEATING* 3.00 100% 3.00 CASE LOADING FOR EQUIPMENT WITH BOTH COOLING MOTORS 0.96 100% 0.96 14.97 100% 14.97 100% 14.97 1.12 100% 1.12 100% 1.12 1.00% 1.66 1.6					LIGHTING	0.50	100%	0.50					
MOTORS 0.96 100% 0.96 KITCHEN EQUIPMENT 14.97 100% 14.97 RECEPTACLES (1st 10 KVA) 1.12 100% 1.12 RECEPTACLES (>10 KVA) 0.00 50% 0.00 MISCELLANEOUS 1.66 100% 1.66 PHASE CONNECTED (KVA) DEMAND (KVA) DEMAND (AMPS) A 6.45 6.45 53.75 B 9.10 9.10 75.83 C 6.98 6.98 58.13													
KITCHEN EQUIPMENT 14.97 100% 14.97 RECEPTACLES (1st 10 KVA) 1.12 100% 1.12 RECEPTACLES (>10 KVA) 0.00 50% 0.00 MISCELLANEOUS 1.66 100% 1.66 PHASE CONNECTED (KVA) DEMAND (KVA) DEMAND (AMPS) A 6.45 6.45 53.75 B 9.10 9.10 75.83 C 6.98 6.98 58.13									-	T WITH BOTH CO	OOLING		
RECEPTACLES (1st 10 KVA) 1.12 100% 1.12 RECEPTACLES (>10 KVA) 0.00 50% 0.00 MISCELLANEOUS 1.66 100% 1.66 PHASE CONNECTED (KVA) DEMAND (KVA) DEMAND (AMPS) A 6.45 6.45 53.75 B 9.10 9.10 75.83 C 6.98 6.98 58.13 C 6.98 6.98 58.13 C 6.98 6.98 58.13 C 7.000									AND HEATING SYSTEMS.				
RECEPTACLES (>10 KVA) 0.00 50% 0.00 MISCELLANEOUS 1.66 100% 1.66 PHASE LOADING CONNECTED (KVA) DEMAND (KVA) DEMAND (AMPS) A 6.45 6.45 53.75 B 9.10 9.10 75.83 C 6.98 6.98 58.13									-				
PHASE LOADING PHASE LOADING PHASE CONNECTED (KVA) DEMAND (KVA) DEMAND (AMPS)					1				-				
PHASE LOADING PHASE CONNECTED (KVA) DEMAND (KVA) DEMAND (AMPS) A 6.45 6.45 53.75 B 9.10 9.10 75.83 C 6.98 6.98 58.13					, , ,				=				
PHASE CONNECTED (KVA) DEMAND (KVA) DEMAND (AMPS) A 6.45 6.45 53.75 B 9.10 9.10 75.83 C 6.98 6.98 58.13					, , ,	1.66	100%						
C C C C C C C C C C						PHASE LOADING	<u>i</u>	T	_				
A 6.45 6.45 53.75 B 9.10 9.10 75.83 C 6.98 6.98 58.13					PHASE	1	DEMAND (KVA)	DEMAND (AMPS)					
B 9.10 9.10 75.83 C 6.98 6.98 58.13						` '	, ,		_				
C 6.98 6.98 58.13							+		+				
									-				
					A,B,C TOTALS	22.53	22.53	62.53	-				

	USAGE: LOCATION PHASES L-L VOLT L-G VOLT BUS AMI AIC RAT MAIN CE	TS TS PS ING		LIFE SAFETY ELEC 107 3 208 120 100 SEE SINGLE LINE 100				MOUNTING: PANEL TYPE: ENGINEER: RMF PROJECT NO.:	SURFACE LIGHTING DAG 311219A0		NCE	
	PROVIDE	E GROUNE E FULL SIZ	E NEUTRA	AL BUS UNLESS NOTED OTHERW FOR 120V TO SCOREBOARD.	/ISE				ı			_
CND SIZE	GND. SIZE	PHASE/ NEUT. SIZE	CKT AMPS	LOAD DESCRIPTION	CB BKR. RATING (AMPS)/POLES	CIRCUIT NUMBER A B C	CB BKR. RATING (AMPS)/POLES	LOAD DESCRIPTION	CKT AMPS	PHASE/ NEUT. SIZE	GND. SIZE	
3/4"	#10	#10	8.33	ELEV. CAB LTG &VENT	20/1	1 A 2	20/2	FCU-06	4.33	#12	#12	
3/4"	#10	#10	1.50	REC - ELEV MACH RM 104	20/1	3 B 4			4.33			_
3/4"	#10	#10	1.50	REC - ELEV PIT ELEV	20/1	5 C 6	20/1	FA MASS NOT. PANEL	3.33	#10	#10	_
3/4"	#10 #10	#10 #10	1.50	REC - RM 203 REC - RM 203	20/1	7 A 8	20/1	SCOREBOARD CONTROL FIRE ALARM ANNUCIATOR	6.67 3.33	#10 #10	#10 #10	لـ
3/4"	#10	#10	1.50 1.50	REC - RM 203	20/1	9 B 10 11 C 12	20/1		7.49	#10	#10	4
3/4"	#10	#10	1.50	REC - RM 203	20/1	13 A 14	20/3	FIRE PROTECTION AIR	7.49	#10	#10	
3/4"	#10	#10	1.50	REC - RM 203	20/1	15 A 14		COMPRESSOR MECH 105	7.49			
3/4"	#10	#10	9.62	REC - DATA RM 206		17 C 18	20/1	EMERGENCY CALL STATIONS	10.00	#10	#10	_
			9.62		30/2	19 A 20	20/1	SPARE	0.00			
3/4"	#10	#10	1.50	REC - DATA RM 206	20/1	21 B 22	20/1	SPARE	0.00			
3/4"	#10	#10	1.50	REC - DATA RM 206	20/1	23 C 24	20/1	SPARE	0.00			_
3/4"	#10 #10	#10 #10	1.50 1.50	REC - DATA RM 206 REC - DATA RM 206	20/1	25 A 26 27 B 28	20/1	SPARE SPARE	0.00			-
3/4"	#10	#10	8.33	REC - PA SYSTEM RM 305	20/1	29 C 30	20/1	SPARE	0.00			-
3/4"	#10	#10	8.33	REC - PA SYSTEM RM 305	20/1	31 A 32	20/1	SPARE	0.00			_
3/4"	#10	#10	3.33	FIRE ALARM CONTROL PNL	20/1	33 B 34	20/1	SPARE	0.00			Т
			0.00	SPARE	20/1	35 C 36	20/1	SPARE	0.00			
			0.00	SPARE	20/1	37 A 38	20/1	SPARE	0.00			4
1"	#10	#8	28.85 28.85	SCOREBOARD EMERGENCY POWER	30/2*	39 B 40 41 C 42	20/1	SPARE SPARE	0.00			-
				LOADS	CONNECTED (KVA)	DIVERSITY FACTOR %	DEMAND (KVA) %					
				LIGHTING	0.50	100%	0.50				_	
				HVAC COOLING*	1.40	100%	1.40	* LOAD VALUES HAVE BEEN ADJUS				
				HVAC HEATING* MOTORS	0.00 2.70	100% 100%	0.00 2.70	CASE LOADING FOR EQUIPMENT V AND HEATING SYSTEMS.	WILL BOTH CO	OLING		
				KITCHEN EQUIPMENT	0.00	100%	0.00	AND HEATING STOTEMO.				
				RECEPTACLES (1st 10 KVA)	6.38	100%	6.38					
				RECEPTACLES (>10 KVA)	0.00	50%	0.00					
				MISCELLANEOUS	8.80	100%	8.80					
				PHASE A	PHASE LOADING CONNECTED (KVA) 5.69	DEMAND (KVA) 5.69	DEMAND (AMPS) 47.42					
				В	6.05	6.05	50.42					
				С	8.04	8.04	67.00					
				A,B,C TOTALS	19.78	19.78	54.91					

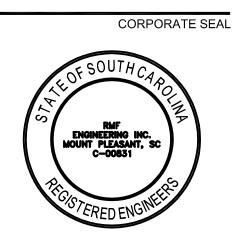


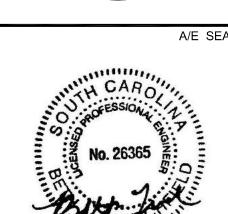
1217 Hampton Street T: 803.771.2999 Columbia, SC 29201 F: 803.771.2858

III Winners Circle
Albany, NY 12205

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PROJECT TITLE

UNIVERSITY OF SOUTH CAROLINA

SOFTBALL STADIUM CONSTRUCTION

BID SET

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REVISIONS

NO REVISION

DATE

-		
	SHEET INFOR	RMATIC
ate		03.16.
roject No.	1	1.122.0

 Project No.
 11.122.00

 Scale
 1/8" = 1'-0"

 Drawn By
 DAG

 Checked By
 BAC

 State Project No.
 H27-6088-MJ

ELECTRICAL PANEL BOARD SCHEDULES