

SECTION 16010 - ELECTRICAL GENERAL PROVISIONS:

- THE PROVISIONS OF THE INSTRUCTIONS TO BIDDERS, GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS, ALTERNATES, ADDENDAS AND DIVISION 1 ARE A PART OF THIS SPECIFICATION. ELECTRICAL, ARCHITECTURAL, MECHANICAL AND ALL OTHER DRAWINGS AS WELL AS THE SPECIFICATIONS FOR ALL THE DIVISIONS ARE A PART OF THE CONTRACT DOCUMENTS.
- VISIT THE SITE OF THE WORK AND BECOME FAMILIAR WITH THE CONDITIONS AFFECTING THE INSTALLATION. SUBMISSION OF A PROPOSAL SHALL PRESUPPOSE KNOWLEDGE OF SUCH CONDITIONS AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED WHERE EXTRA LABOR OR MATERIALS ARE REQUIRED BECAUSE OF IGNORANCE OF THESE CONDITIONS.
- DISCREPANCIES BETWEEN ELECTRICAL, MECHANICAL, CIVIL, STRUCTURAL AND ARCHITECTURAL CONTRACT DRAWINGS, OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER - PRIOR TO FINAL BID SUBMITTAL. INSTALLATION SHALL COMPLY WITH THE 2008 EDITION OF THE NATIONAL ELECTRICAL CODE.
- DEFINITIONS:
 - "CONTRACTOR" AS USED WITHIN THE CONTEXT OF THE ELECTRICAL CONTRACT DOCUMENTS SHALL EXPLICITLY REFER TO FINAL "ELECTRICAL CONTRACTOR".
 - THE TERM "FURNISH" SHALL MEAN TO SUPPLY AND DELIVERY TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS.
 - THE TERM "INSTALL" SHALL MEAN WORK WHICH INCLUDES THE ACTUAL UNLOADING UNPACKING, ASSEMBLY, ERECTING, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING AND SIMILAR OPERATIONS.
 - THE TERM "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.
- INCLUDE ALL LABOR, MATERIAL, EQUIPMENT, SERVICES AND PERMITS NECESSARY FOR THE PROPER COMPLETION OF ALL ELECTRICAL WORK SHOWN. ITEMS OMITTED, BUT NECESSARY, TO MAKE THE ELECTRICAL SYSTEM COMPLETE AND WORKABLE SHALL BE UNDERSTOOD TO FORM PART OF THE WORK. CONTRACTORS BID IS ASSUMED TO INCLUDE ANY PREMIUM TIME COSTS REQUIRED TO COMPLETE WORK.
- IT IS THE PURPOSE OF THE ELECTRICAL DRAWINGS TO INDICATE THE APPROXIMATE LOCATION OF ALL EQUIPMENT, OUTLETS, ETC. ASCERTAIN EXACT LOCATIONS AND ARRANGE WORK ACCORDINGLY. THE RIGHT IS RESERVED TO EFFECT REASONABLE CHANGES IN THE LOCATION OF OUTLETS UP TO THE TIME OF ROUGHING-IN, WITHOUT ADDITIONAL COST TO THE OWNER.
- SECURE AND PAY FOR PERMITS AND INSPECTIONS REQUIRED FOR THE ELECTRICAL WORK.
- WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2017, 6TH EDITION OF THE FLORIDA BUILDING CODE AS WELL AS THE 2014 NATIONAL ELECTRICAL CODE, AS INTERPRETED BY THE LOCAL AUTHORITY HAVING JURISDICTION. NO EXTRA COMPENSATION WILL BE ALLOWED FOR ANY CHANGES NECESSARY FOR CODE COMPLIANCE.
- CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP AND MATERIALS, AND THE SUCCESSFUL OPERATION OF ALL EQUIPMENT AND APPARATUS INSTALLED CONTRACTOR FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE ENTIRE WORK BY THE OWNER, AND SHALL GUARANTEE TO REPAIR OR REPLACE AT HIS OWN EXPENSE ANY PART OF THE APPARATUS WHICH MAY SHOW DEFECTIVE DURING THAT TIME PROVIDED SUCH DEFECT IS, IN THE OPINION OF THE OWNER, DUE TO IMPERFECT MATERIAL OR WORKMANSHIP AND NOT TO CARELESSNESS OR IMPROPER USE.

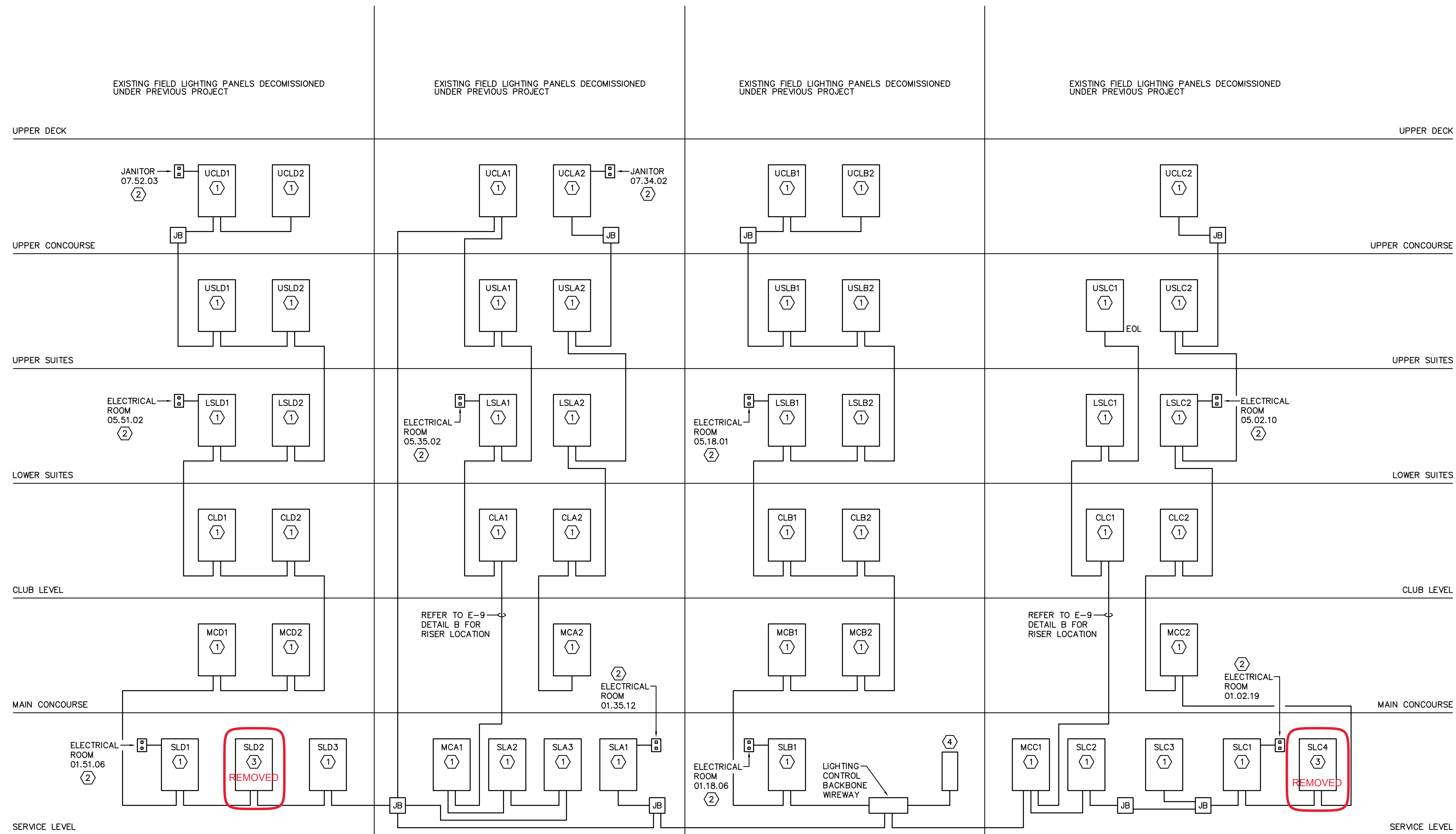
- AUTHORIZED REPRESENTATIVES OF THE OWNER SHALL HAVE ACCESS TO AND PRIVILEGE OF INSPECTING ALL WORK AND MATERIALS AS WORK PROGRESSES. THESE REPRESENTATIVES SHALL HAVE AUTHORITY TO APPROVE OR REJECT WORK OR MATERIALS, USING DRAWINGS, SPECIFICATIONS, CODES AND GOOD ENGINEERING PRACTICES AS THE BASIS FOR APPROVAL OR REJECTION.
- BIDS SHALL BE BASED UPON THE SPECIFIED PRODUCTS OR LISTED ALTERNATIVES. THE DRAWINGS AND SPECIFICATIONS ARE BASED ON THE PRODUCTS SPECIFICALLY DESIGNED, MANUFACTURED AND TESTED FOR LIGHTING CONTROL SYSTEMS.
- EQUIPMENT AND MATERIALS USED ON THIS PROJECT SHALL BE NEW AND U.L. LABELED FOR THE APPLICATION.
- THE CONTRACTOR SHALL KEEP ONE COMPLETE SET OF THE CONTRACT WORKING DRAWINGS ON THE PROJECT SITE ON WHICH HE SHALL RECORD ANY DEVIATIONS OR CHANGES FROM SUCH CONTRACT DRAWINGS MADE DURING CONSTRUCTION. AFTER THE PROJECT IS COMPLETED, RECORD SETS OF DRAWINGS SHALL BE DELIVERED TO THE ARCHITECT IN GOOD CONDITION, AS A PERMANENT RECORD OF THE INSTALLATION AS CONSTRUCTED. PROVIDE A COMPLETE SET OF ASBUILT DRAWINGS. ASBUILT DRAWINGS SHALL BE AT THE SITE AT ALL TIMES AND SHALL BE UPDATED DAILY AS WORK IS COMPLETE. ASBUILT DRAWINGS SHALL INDICATE ALL LIGHTING PANEL AND CIRCUITS NUMBERS AND DESCRIPTION OF AREA AND TYPE OF LIGHT FIXTURES BEING CONTROLLED. CONTRACTOR SHALL FIELD VERIFY AND CONFIRM ALL LIGHTING CIRCUITS AND INDICATE ON ASBUILT DRAWINGS.
- EXISTING WIRING FROM THE CIRCUIT BREAKER TO THE LIGHTING PANEL SHALL NOT BE SPLICED OR WIRE NUTTED. PULL NEW WIRE BETWEEN PANELS WHERE NECESSARY. DO NOT SPLICE OR WIRE NUT WIRES ON LOAD SIDE OF RELAYS WHERE JUNCTION BOXES EXIST. PROVIDE SPLICES IN JUNCTION BOXES WHEN NECESSARY.
- KEEP ACCURATE ASBUILT DRAWINGS DURING CONSTRUCTION. SHOW ACTUAL INSTALLATION WHERE INSTALLATION VARIES FROM DESIGN DOCUMENTS. PROVIDE FINAL ASBUILT CAD FILES AND PDF'S TO OWNER PRIOR TO FINAL COMPLETION.

DEMOLITION:

- REMOVE AND DISPOSE OF EXISTING MICROLITE RELAY CONTROLLERS AND RELAYS
- REMOVE EXISTING WIRING AND EQUIPMENT/DEVICES WHICH ARE NOT NECESSARY FOR THE FUNCTION OF NEW EQUIPMENT/DEVICES AND THE FUNCTIONS OF EXISTING EQUIPMENT/DEVICES REMAINING.
- EXISTING EQUIPMENT AND MATERIALS THAT ARE REMOVED SHALL NOT BE REUSED EXCEPT WHERE SPECIFICALLY NOTED.
- DISPOSE OF SCRAP AND DEBRIS. MAINTAIN ELECTRICAL CONTINUITY TO EQUIPMENT/DEVICES WHICH SHALL REMAIN.
- CONTRACTORS SHALL BE GUIDED BY OWNER'S REPRESENTATIVE, OR THE ENGINEER AS TO THE REQUIREMENT FOR THE REMOVAL OF EQUIPMENT/ DEVICES WHICH MAY NOT BE INDICATED.

ELECTRICAL SYMBOL LEGEND		
SYMBOL	DESCRIPTION	MOUNTING
■	MICROLITE LIGHTING CONTROL PANEL	EXISTING
⌒	RACEWAY CONCEALED IN WALL OR CEILING	SEE SPECIFICATIONS
⌒ L1A-L3	HOMERUN TO PANEL. LETTERS INDICATE PANEL, NUMBERS INDICATE CIRCUIT. NOTE: ANY CIRCUIT WITHOUT FURTHER DESIGNATION INDICATES A TWO WIRE CIRCUIT. A GREATER NUMBER OF WIRES IS INDICATED AS SHOWN: (3 WIRES & EQUIPMENT GROUND), (4 WIRES & EQUIPMENT GROUND), ETC.	SEE SPECIFICATIONS
⏏	NON-FUSIBLE SAFETY SWITCH	SEE SPECIFICATIONS
⏏	MASTER OVER-RIDE SWITCH - PLAN VIEW	EXISTING
⏏	JUNCTION BOX	EXISTING
⏏	MASTER OVER-RIDE SWITCH - RISER VIEW	EXISTING
EOL	END OF LINE	EXISTING

Notes: Panels SLC4 and SLD2 have been removed



- GENERAL NOTES:**
- PROVIDE NEW COMMUNICATIONS WIRING TO ALL NEW CONTROLLERS. ALL COMMUNICATIONS WIRING AND POWER SHALL BE IN CONDUIT. EXISTING T54 FIBER OPTIC SINGLEMODE CABLE CAN BE UTILIZED WHERE CABLE EXISTS. CURRENTLY 2 STRANDS OF CABLE EXISTS FROM 24 HOUR COMMAND TO TELCO ROOMS ON SERVICE LEVEL, CLUB LEVEL AND UPPER SUITE LEVEL IN QUADS A, B, C, AND D.
 - PROVIDE 120 VOLT POWER TO ALL NEW CONTROLLERS. INDICATE CIRCUITS ON AS-BUILT DRAWINGS.
 - PROVIDE RELAY AND CONTROL POINT FOR EACH CIRCUIT AS LISTED ON THE POINTS LIST DATED 2020.
- KEYED NOTES:**
- EXISTING MICROLITE LIGHTING CONTROL PANEL. REPLACE EXISTING RELAYS AND CONTROLLERS AND REUSE PANELS IF POSSIBLE OR REPLACE PANELS WITH HEAVY-DUTY FIBERGLASS OR METAL MATERIAL THAT MEETS OR EXCEEDS NEMA 3R RATING WHERE NECESSARY. RECONNECT LIGHTING CIRCUITS.
 - EXISTING OVER-RIDE SWITCHES TO BE ABANDONED IN PLACE. DO NOT PROVIDE OVERRIDE POINTS.
 - EXISTING MICROLITE LIGHTING CONTROL PANEL. PANEL IS ABANDONED/NOT USED.
 - EXISTING LIGHTING CONTROL SYSTEM SERVER AND FRONT END TO BE REPLACED WITH NEW. SEE SPECIFICATIONS.

EXISTING LIGHTING CONTROL SYSTEM BACKBONE
SCALE: NTS /18178

DATE: ...

REVISIONS:

DESCRIPTION:

REG. NO. ERF758

DIAMONDBACK ENGINEERING
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RAYMOND JAMES STADIUM LIGHTING CONTROL REPLACEMENT
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SHEET TITLE:
ELECTRICAL LEGEND AND GENERAL NOTES

DRAWN BY: DS

CHECKED BY: RHT

DATE: 05/12/20

PROJECT NUMBER: 18178

SHEET NUMBER: E-1

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