

#### **ELECTRICAL ABBREVIATIONS** NOTE: THIS IS A MASTER SCHEDULE. NOT ALL ABBREVIATIONS CONTAINED HEREIN MAY APPEAR ON THE DRAWINGS KCMIL (300 KCMIL = 300K)A, AMPS ARC ENERGY REDUCTION LIGHT EMITTING DIODE ABOVE FINISHED CEILING LOCKED ROTOR AMPS ABOVE FINISHED FLOOR LOW VOLTAGE ABOVE FINISHED GRADE MINIMUM CIRCUIT AMPACITY ARC FAULT CIRCUIT INTERRUPTER MAIN CIRCUIT BREAKER AMP INTERRUPTING CAPACITY MLO MAIN LUG ONLY ALUMINUM MAXIMUM OVERCURRENT PROTECTIVE DEVICE **AUTOMATIC TRANSFER SWITCH** NORMALLY CLOSED **BACKBOARD** NORMALLY OPEN CONDUIT NON-FUSED CEILING NOT IN CONTRACT COMM COMMUNICATION NIGHT LIGHT COLOR RENDERING INDEX NOT TO SCALE COPPER DIAMETER OUTSIDE DIAMETER DIST DISTRIBUTION POLES **EMPTY CONDUIT** PANEL PHASE ELEVATOR **EMERGENCY POWER OFF** RIGID GALVANIZED STEEL ELECTRIC VEHICLE CHARGING STATION **EVCS** RUNNING LOAD AMPS EXPLOSION PROOF **EXISTING - TO BE RELOCATED** EXP EXISTING TO REMAIN SEAL OFF FUSE (DUAL-ELEMENT, TIME DELAY UON) SURGE PROTECTIVE DEVICE FURNISHED BY OTHERS **SWITCHBOARD** TELEPHONE TERMINAL BOARD FOOTCANDLE TTC FIXTURES, FURNISHINGS & EQUIPMENT TELEPHONE TERMINAL CABINET FULL LOAD AMPS TYPICAL UNDERGROUND PULL SECTION **FPEN** FUSE PER EQUIPMENT NAMEPLATE UNSWITCHED **FUTURE** UON UNLESS OTHERWISE NOTED GROUND FAULT CIRCUIT INTERRUPTER UPS UNINTERRUPTIBLE POWER SUPPLY GROUND FAULT PROTECTION VARIABLE FREQUENCY DRIVE WEATHERPROOF - IN USE GROUND HOA HAND-OFF-AUTOMATIC TRANSFORMER HORSEPOWER EXISTING - TO BE REMOVED INSIDE DIMENSION AMPS / POLES REPRESENTATIVE ISOLATED GROUND (EXAMPLE: 30/3=30A,3P)LIGHTING INVERTER

26-00-DRAWING INDEX - AREA E					
SHEET NUMBER	SHEET NAME	.20 - PERMIT SET 06/06/2022			
120-E-000	ELECTRICAL SYMBOLS AND ABBREVIATIONS	<b>—</b>			
120-E-001	ELECTRICAL SIMBOLS AND ABBREVIATIONS ELECTRICAL GENERAL NOTES	<del>-</del>			
120-E-010	PARTIAL SINGLE LINE DIAGRAM - DIST. SUBSTATION 'DSF' SIDE B - DEMOLITION	•			
120-E-011	PARTIAL SINGLE LINE DIAGRAM - DIST. SUBSTATION 'DSM' SIDE A	•			
120-E-012	PARTIAL SINGLE LINE DIAGRAM - DIST. SUBSTATION 'DSM' SIDE B	•			
120-E-020	PANEL SCHEDULES	•			
120-E-030	DIMMER PANEL SCHEDULE	•			
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120-E-040					
120-E-040	ELECTRICAL DEMOLITION POWER PLAN - FLOOR 1 AREA E	•			
120-E-040 120-ED-112E		•			
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120-E-040 120-ED-112E 120-ED-132E 120-E-111 120-E-112	ELECTRICAL DEMOLITION POWER PLAN - FLOOR 1 AREA E ELECTRICAL DEMOLITION LIGHTING PLAN - FLOOR 1 AREA E ELECTRICAL PLAN - FLOOR B1 OVERALL ELECTRICAL PLAN - FLOOR 1 OVERALL	•			
120-E-040 120-ED-112E 120-ED-132E 120-E-111 120-E-112 120-E-112E	ELECTRICAL DEMOLITION POWER PLAN - FLOOR 1 AREA E ELECTRICAL DEMOLITION LIGHTING PLAN - FLOOR 1 AREA E ELECTRICAL PLAN - FLOOR B1 OVERALL ELECTRICAL PLAN - FLOOR 1 OVERALL ELECTRICAL POWER PLAN - FLOOR 1 AREA E	•			
120-E-040 120-ED-112E 120-ED-132E 120-E-111 120-E-112 120-E-112E 120-E-113	ELECTRICAL DEMOLITION POWER PLAN - FLOOR 1 AREA E  ELECTRICAL DEMOLITION LIGHTING PLAN - FLOOR 1 AREA E  ELECTRICAL PLAN - FLOOR B1 OVERALL  ELECTRICAL PLAN - FLOOR 1 OVERALL  ELECTRICAL POWER PLAN - FLOOR 1 AREA E  ELECTRICAL PLAN - FLOOR 2 OVERALL	•			
120-E-040 120-ED-112E 120-ED-132E 120-E-111 120-E-112 120-E-112E 120-E-113 120-E-120E	ELECTRICAL DEMOLITION POWER PLAN - FLOOR 1 AREA E  ELECTRICAL DEMOLITION LIGHTING PLAN - FLOOR 1 AREA E  ELECTRICAL PLAN - FLOOR B1 OVERALL  ELECTRICAL PLAN - FLOOR 1 OVERALL  ELECTRICAL POWER PLAN - FLOOR 1 AREA E  ELECTRICAL PLAN - FLOOR 2 OVERALL  ELECTRICAL HVAC POWER PLAN - ROOF AREA E	•			
120-E-040 120-ED-112E 120-ED-132E 120-E-111 120-E-112 120-E-112E 120-E-113 120-E-120E 120-E-132E	ELECTRICAL DEMOLITION POWER PLAN - FLOOR 1 AREA E  ELECTRICAL DEMOLITION LIGHTING PLAN - FLOOR 1 AREA E  ELECTRICAL PLAN - FLOOR B1 OVERALL  ELECTRICAL PLAN - FLOOR 1 OVERALL  ELECTRICAL POWER PLAN - FLOOR 1 AREA E  ELECTRICAL PLAN - FLOOR 2 OVERALL	•			

Grand total: 18

# HARRAH'S NOLA CIP AREA E RESTROOMS (120)

Jazz Casino Company LLC Harrah's Casino 8 Canal Street New Orleans, Louisiana 70130 Project Director: Ryan Worrell

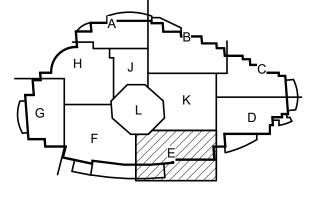
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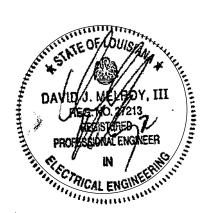
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KEY PLAN

120 -PERMIT SET 6/06/2022



JUN 06 2022

ISSUE 6/06/2022

JOB V21009

DRAWN Author

SCALE 12" = 1'-0"

REVISIONS

"These plans and specifications have been prepared (reviewed) by or under ( my or our) personal supervision and, to the best of (my or our) knowledge and belief, they comply with all City requirements. We are (are not) generally administrating the work.

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Engineer
License Number 27213

120-E-000

**ABBREVIATIONS** 

**ELECTRICAL SYMBOLS AND** 

## **ELECTRICAL GENERAL NOTES**

#### <u> PART ONE - GENERAL</u>

- THE WORK: ALL WORK SHALL BE NEW UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL PROVIDE THE WORK SHOWN ON THE DRAWINGS AND SPECIFIED FOR THEIR INDIVIDUAL SECTIONS OF WORK, THE WORD "WORK" SHALL MEAN ALL LABOR. TRANSPORTATION, MATERIAL, EQUIPMENT, TOOLS, INSTALLATION, SUPERVISION AND ANY OTHER INCIDENTAL ITEMS OR SERVICES NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE COMPLETE SYSTEMS, WHICH SHALL BE PROVIDED WHETHER OR NOT SPECIFICALLY INDICATED OR NOTED.
- RESPONSIBILITY: THIS CONTRACTOR IS SOLELY RESPONSIBLE FOR THE ACTIONS OF ITS PERSONNEL, SUPPLIERS, AND SUB-CONTRACTORS. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PERFORMANCE OF ALL WORK AS MAY BE REQUIRED TO ACCOMMODATE OR SUPPORT THE ELECTRICAL WORK. EXAMPLES: PAINTING, STRUCTURAL SUPPORTS, CUTTING AND PATCHING, EXCAVATION AND BACKFILL, CONCRETE PADS, ROOF JACKS, ETC. THIS CONTRACTOR SHALL ENGAGE THE APPROPRIATE TRADES TO PERFORM SUCH WORK.
- MINIMUM REQUIREMENTS: THESE SPECIFICATIONS ESTABLISH THE MINIMUM REQUIREMENTS FOR THE WORK AND THE MATERIALS, EQUIPMENT AND METHODS TO BE PROVIDED. THE DRAWINGS MAY INDICATE REQUIREMENTS WHICH EXCEED THESE
- . <u>GENERAL CONDITIONS</u>: ALL GENERAL CONDITIONS, SPECIAL REQUIREMENTS OR GENERAL REQUIREMENTS OF THE CONSTRUCTION SPECIFICATIONS ARE MADE PART OF THIS SPECIFICATION AND HAVE THE SAME FORCE AND EFFECT AS IF COMPLETELY REPRODUCED.

JOBSITE. CONTRACTOR SHALL RECEIVE, PROTECT, STORE, ASSEMBLE, INSTALL

- . <u>DEFINITIONS</u>:
- A. AHJ: AUTHORITY HAVING JURISDICTION.
- B. ASSEMBLY: AN INSTALLATION OR SYSTEM OF MULTIPLE COMPONENTS REQUIRING MULTIPLE CONNECTIONS. (EXAMPLES: TRASH COMPACTOR, MOTORIZED DOOR, HVAC SPLIT SYSTEM, ETC.).
- EQUAL: ACCEPTED BY THE ENGINEER AS EQUAL D. FF&E: FURNISHINGS, FIXTURES AND EQUIPMENT - PROVIDED BY OTHERS AT
- AND CONNECT. PROVIDE 5x STRUCTURAL BACKING. (EXAMPLES: CHANDELIERS, PROJECTORS, ETC.). E. PROVIDE: FURNISH, INSTALL, ACTIVATE, AND COMMISSION.
- 6. <u>CODES</u>: ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITIONS OF THE NATIONAL ELECTRIC CODE (NEC) AND ALL OTHER APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.
- <u>PERMITS</u>: THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL FEES AND OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR THE WORK.
- . <u>DRAWINGS</u>: DRAWINGS ARE DIAGRAMMATIC AND SCHEMATIC IN NATURE, AND INDICATE THE TYPE, SIZE, ARRANGEMENT AND LOCATIONS OF MATERIALS AND EOUIPMENT. WORK INCLUDES CERTAIN COMPONENTS, APPURTENANCES, AND RELATED SPECIALTIES THAT MAY NOT BE SHOWN. CONTRACTOR SHALL PROVIDE ALL NECESSARY ITEMS TO COMPLETE THE WORK ACCORDING TO INDUSTRY STANDARDS. IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATIONS TO REQUIRE FINISHED WORK, TESTED AND READY FOR OPERATION. DO NOT SCALE DRAWINGS. ARRANGEMENT OF EQUIPMENT AND ROUTING OF FEEDERS AND BRANCH CIRCUITING SHALL BE ROUTED PLUMB AND AT RIGHT ANGLES TO BUILDING CONSTRUCTION AND MAY REQUIRE MODIFICATION DUE TO UNFORESEEN CONDITIONS AND REQUIRE ON SITE REVISIONS DURING CONSTRUCTION. (SEE ALSO "BIDDING").
- . <u>COORDINATION</u>: THE CONTRACTOR SHALL CAREFULLY EXAMINE ALL CONTRACT DOCUMENTS. THE CONTRACTOR SHALL COORDINATE THE WORK WITH ALL OTHER TRADES INCLUDING, BUT NOT LIMITED TO, THE CONTRACT DOCUMENTS, SHOP DRAWINGS, ETC. FOR ALL GENERAL CONSTRUCTION, STRUCTURAL, MECHANICAL, ELECTRICAL, AND SPECIALTY CONTRACTOR WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FITTING OF MATERIAL INTO THE BUILDING AS PLANNED, WITHOUT INTERFERENCE WITH OTHER WORK, AND SHALL MAKE REASONABLE MODIFICATIONS IN THE LAYOUTS NEEDED TO PREVENT CONFLICT WITH OTHER TRADES, TO PROVIDE ACCESS AND FOR THE PROPER EXECUTION OF THE WORK.
- 10. IDENTICAL: ALL WORK REQUIRED FOR IDENTICAL ITEMS AND ASSEMBLIES SHOWN ON THE DRAWINGS SHALL BE PROVIDED, ALTHOUGH EACH SPECIFIC IDENTICAL ITEM MAY NOT BE SHOWN IN DETAIL.
- 11. <u>VERIFICATION</u>: CONTRACTOR SHALL CHECK AND VERIFY ALL SIZES, DIMENSIONS, AND CONDITIONS BEFORE STARTING ANY WORK. ANY DEVIATIONS OR PROBLEMS SHALL BE TRANSMITTED TO THE ENGINEER FOR REVIEW.
- 12. CONNECTIONS: CONNECT ALL EQUIPMENT, SYSTEMS, AND ASSEMBLIES PROVIDED BY OTHERS INCLUDING CONTROLS, SAFETY DEVICES AND INTERCONNECTIONS. EXCEPTION: DO NOT INTERCONNECT THE CONTROL SYSTEMS OF THOSE MECHANICAL AND PLUMBING SYSTEMS WHICH ARE SPECIFICALLY NOTED TO BE THE RESPONSIBILITY OF THOSE TRADES. PROVIDE FUSIBLE DISCONNECT SWITCHES AND MOTOR STARTERS FOR ALL EQUIPMENT EXCEPT THOSE ITEMS WHICH ARE SPECIFICALLY LISTED WITH EITHER INTEGRAL STARTERS/DISCONNECT SWITCHES. WHERE STARTERS AND/OR DISCONNECT SWITCHES ARE FURNISHED TOGETHER WITH EQUIPMENT, RECEIVE, INSTALL, AND CONNECT THOSE ITEMS.
- 13. <u>SUBMITTAL</u>: THE CONTRACTOR SHALL SUBMIT COMPLETE ELECTRONIC SETS OF SHOP DRAWINGS AND TECHNICAL DATA SHEETS FOR ALL EQUIPMENT AND MATERIALS SPECIFIED HEREIN TO THE ENGINEER. THE ENGINEER SHALL REVIEW SHOP DRAWINGS AND TECHNICAL DATA SHEETS FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS AND ISSUE A WRITTEN ASSESSMENT TO THE OWNER PRIOR TO COMMENCEMENT OF WORK. THE ENGINEER'S FAILURE TO CORRECT ERRORS IN THE SUBMITTAL SHALL NOT RELIEVE THE CONTRACTOR OF THE OBLIGATION TO PERFORM THE WORK AS SHOWN AND/OR SPECIFIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ENGINEERING FEES NECESSARY TO CHANGE PERMIT DOCUMENTS BASED ON ALTERNATE SUBMITTAL PACKAGES/EQUIPMENT SUBSTITUTIONS.
- 14. <u>SUBSTITUTION</u>: BY THE ACT OF PROPOSING A SUBSTITUTION OR V.E. INITIATIVE, THE CONTRACTOR ASSUMES RESPONSIBILITY FOR FIT AND FINISH, INSTALLATION AND CLEARANCES, SUITABILITY FOR THE INTENDED TASK, AND COORDINATION WITH AND CHARGES OF ALL OTHER TRADES AFFECTED BY SAID SUBSTITUTION OR V.E.
- 15. OR-EQUAL SUBSTITUTIONS: ALL PROPOSED "OR EQUAL" SUBSTITUTIONS SHALL BE SUBMITTED TO THE ENGINEER FOR CONSIDERATION PRIOR TO BIDDING. THE OWNER'S REPRESENTATIVE SHALL PRE-APPROVE ANY PROPOSED SUBSTITUTION IN WRITING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIREMENTS ASSOCIATED WITH SUBSTITUTED EQUIPMENT AND/OR MATERIALS WITH OTHER BUILDING TRADES, INCLUDING ALL MECHANICAL, STRUCTURAL, AND/OR ARCHITECTURAL ELEMENTS. THE CONTRACTOR SHALL IDENTIFY AND ANNOTATE ALL REVISED REQUIREMENTS PER BUILDING TRADE ON THE SHOP DRAWINGS. THE CONTRACTOR SHALL ALSO IDENTIFY ALL COST DEBITS OR CREDITS IN WRITING FOR THE PROPOSED CHANGES PER BUILDING TRADE AND SHALL SUMMARIZE THESE AS A TOTAL NET-TO-OWNER CHARGE OR CREDIT.
- 16. AS-BUILT: UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUPPLY THE ENGINEER WITH AS-BUILT DOCUMENTS ACCURATELY SHOWING THE MATERIALS AND EQUIPMENT AS INSTALLED. PROVIDE OPERATION AND MAINTENANCE MANUAL CONTAINING APPROVED SHOP DRAWINGS, OPERATING AND MAINTENANCE INSTRUCTION FOR SWITCHGEAR, LIGHT FIXTURES, CONTROLS, AND SPECIALTY
- 17. <u>GUARANTEE</u>: ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A MINIMUM OF ONE (1) YEAR FROM DATE OF ACCEPTANCE BY OWNER (LONGER IF REQUIRED BY GENERAL AND/OR SPECIAL CONDITIONS). IN ADDITION, THE CONTRACTOR SHALL GUARANTEE THAT THE INSTALLATION, WHEN OPERATED IN ACCORDANCE WITH THE CONTRACTOR'S INSTRUCTIONS, WILL PERFORM AS SPECIFIED AND WILL FULFILL EACH AND EVERY REQUIREMENT OF THE DRAWINGS AND SPECIFICATIONS. SHOULD THE INSTALLATION IN ANY WAY FAIL TO DO SO, THE CONTRACTOR WILL, WITHOUT DELAY AND WITHOUT COST TO THE OWNER, PROVIDE WHATEVER ADDITIONAL EQUIPMENT, MATERIAL, AND LABOR REQUIRED TO CORRECT THE DEFICIENCY AND COMPLY WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. WHERE SPECIFIED EQUIPMENT HAS A LONGER GUARANTEE PERIOD, CONTRACTOR SHALL FULFILL THE TERMS OF THAT GUARANTEE (EXAMPLE: LED SYSTEM WITH 5 YEAR GUARANTEE). INCANDESCENT LAMPS ARE EXEMPT BUT SHALL BE NEW AND UNUSED AT THE TIME OF FINAL ACCEPTANCE.

- 18. <u>SITE VISIT</u>: THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. THE CONTRACTOR SHALL COMPARE THE WORK SPECIFIED IN THE CONTRACT DOCUMENTS WITH THE EXISTING CONDITIONS. THE CONTRACTOR SHALL IDENTIFY AND ANNOTATE ALL WORK OR CONDITIONS THAT ARE DIFFERENT FROM THE CONTRACT DOCUMENTS OR THEIR INTENT. THE CONTRACTOR SHALL, UPON DISCOVERY, IMMEDIATELY NOTIFY AND REPORT IN WRITING ANY DISCREPANCIES TO THE ENGINEER. NO EXTRAS OR CHANGE ORDERS WILL BE ALLOWED FOR FAILURE TO PERFORM THE PRE-BID SITE VISIT.
- 19. BASIS OF PROPOSAL: PROPOSAL SHALL BE BASED ON MANUFACTURER NAMES AS LISTED UNLESS "OR EQUAL" IS INDICATED. PROVIDE SUBSTITUTION REQUESTS A MINIMUM OF FIVE (5) BUSINESS DAYS PRIOR TO BID DATE CLOSING TO ALLOW TIME FOR DUE CONSIDERATION OF PROPOSED ALTERNATE. DETERMINATION OF SUBSTITUTION EQUALITY RESTS SOLELY WITH THE ENGINEER.
- 20. <u>VALUE ENGINEERING (V.E.) INITIATIVES</u>: IN ADDITION TO THE "AS SPECIFED/OR EQUAL" BASE BID, CONTRACTOR MAY PROPOSE COST REDUCTION INITIATIVES BASED ON SUBSTITUTIONS OF EQUIPMENT, MATERIALS, AND/OR METHODS. EACH SUCH PROPOSAL SHALL INCLUDE A DATA SHEET ON THE SPECIFIED ITEM, THE PROPOSED SUBSTITUTE, AND THE NET CREDIT TO THE OWNER - INCLUDING ALL CREDITS AND CHARGES FROM ALL MEMBERS OF THE CONSTRUCTION TEAM. ENGINEER WILL REVIEW AND RENDER AN OPINION TO THE OWNER. IF THE V.E. INITIATIVE IS DECLINED, PROVIDE THE SPECIFIED EOUIPMENT/MATERIAL/METHOD. IF THE V.E. INITIATIVE IS ACCEPTED, AND IF SUCH ACCEPTANCE RESULTS IN A REQUIREMENT TO REVISE ANY DESIGN DOCUMENTS, THE CHARGES FOR THOSE REVISIONS SHALL BE BILLED TO THE CONTRACTOR (THE BILL SHALL BE SETTLED BEFORE THE PROJECT IS SIGNED OFF FOR FINAL ACCEPTANCE).
- 21. <u>BIDDING</u>: THE CIVIL, ARCHITECTURAL, MECHANICAL, KITCHEN, AND INTERIOR DRAWINGS CONTAIN DETAIL DESCRIPTIONS, CIRCUITING, AND CONNECTION REQUIREMENTS WHICH ARE PART OF THIS CONTRACTOR'S RESPONSIBILITIES. THIS CONTRACTOR SHALL NOT SUBMIT BIDS ON THIS PROJECT BEFORE REVIEWING ALL PROJECT DRAWINGS, SPECIFICATIONS, AND ADDENDA.
- 22. SPECIFICATIONS BOOK: THE SPECIFICATIONS CONTAIN SIGNIFICANT INFORMATION, CONDITIONS, AND PROCEDURES WHICH MAY HAVE A SUBSTANTIAL IMPACT ON CONTRACTOR'S COSTS. <u>DO NOT</u> SUBMIT A BID ON THIS PROJECT UNLESS THE SPECIFICATIONS HAVE BEEN THOROUGHLY REVIEWED.

## PART TWO - PRODUCTS

- 1. EQUIPMENT STANDARDS: ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND OF THE HIGHEST QUALITY AVAILABLE ("SPECIFICATION GRADE"). EQUIPMENT SHALL BE CONSTRUCTED TO NEMA STANDARDS AND SHALL BE LABELED FOR THEIR INTENDED PURPOSE BY A RECOGNIZED TESTING AGENCY ACCEPTABLE TO THE AHJ (U.L., CSA, ETL, ETC.).
- 2. ACCEPTABLE MANUFACTURERS AND SUPPLIERS: WHERE EQUIPMENT AND MATERIALS ARE NOT SPECIFIED BY NAME THEY ARE DEEMED TO GENERIC, SUBJECT TO THE REQUIREMENTS LISTED HEREIN. THESE MANUFACTURERS ARE CONSIDERED CAPABLE OF OFFERING EQUIVALENT PRODUCTS. MINIMUM STANDARD IN ALL INSTANCES IS COMMERCIAL GRADE: A. <u>SWITCHGEAR</u>: EATON, GENERAL ELECTRIC, SIEMENS, SQUARE D
- B. <u>LIGHT FIXTURES</u>: ACUITY, COOPER, HUBBELL, THOMAS C. <u>WIRING DEVICES</u>: HUBBELL, LEVITON, LEGRAND, WIREMOLD
- 3. <u>CIRCUITING</u>: ALL WIRING SHALL BE IN CONDUIT, CONCEALED EXCEPT WHERE NOTED. EMT WITH STEEL INSULATED THROAT SET SCREW FITTINGS MAY BE USED IN DRY, PROTECTED INTERIOR LOCATIONS. PVC SCHEDULE 40 SHALL BE USED BELOW GRADE AT MINIMUM -24". WRAPPED RIGID ELBOWS AND RISERS SHALL BE USED FOR ALL THROUGH-GRADE TRANSITIONS AND STUB-UPS. RGS OR IMC CONDUIT WITH THREADED FITTINGS SHALL BE USED IN ALL LOCATIONS WHERE EXPOSED TO THE ELEMENTS OR SUBJECT TO PHYSICAL DAMAGE. IMC OR RIGID CONDUIT BELOW GRADE SHALL BE HALF-LAP WRAPPED WITH 20 MIL PVC TAPE. METAL-CLAD CABLE (TYPE MC) MAY BE USED ONLY WITH THE SPECIFIC APPROVAL OF THE ENGINEER. TYPE ENT RACEWAY IS NOT ALLOWED. CONNECT RECESSED LIGHT FIXTURES, SUSPENDED LIGHT FIXTURES, MOTORIZED EQUIPMENT, AND VIBRATING EQUIPMENT WITH STEEL FLEX. ALL CONDUIT SHALL HAVE PULL CORD IF OTHERWISE EMPTY.
- 4. <u>WIRING</u>: WIRE SHALL BE COPPER UNLESS OTHERWISE NOTED, STRANDED IN SIZES #8 AWG AND LARGER. WHERE ALUMINUM IS INDICATED, WIRE SHALL BE COMPACTED-STRAND TYPE WITH JOINT COMPOUND AT TERMINATIONS. INSULATION SHALL BE TYPE THWN OR THHN (XHHW FOR ALUMINUM). ALUMINUM CONDUCTORS SHALL NOT BE USED IN SIZES SMALLER THAN #1/0 (100 A EQUIPMENT FEEDER), AND WHEN USED SHALL BE TERMINATED IN INSULATED COMPRESSION-TYPE CU/AL FITTING.
- 5. <u>FUSES AND CIRCUIT BREAKERS</u>: FUSES AND CIRCUIT BREAKERS SHALL BE SIZED PER ACTUAL RESPECTIVE APPLICATION (i.e., MOTOR CIRCUIT PROTECTOR, GROUND FAULT CIRCUIT INTERRUPTER, ARC FAULT CIRCUIT INTERRUPTER, ETC.). FUSES SHALL BE DUAL ELEMENT, CURRENT-LIMITING, AND SHALL BE INTERCHANGEABLE BETWEEN FRAME SIZES WITH STANDARD FACTORY FUSE REDUCERS. PROVIDE LOCKABLE SPARE FUSE CABINET WITH (3) SPARE FUSES OF EACH SIZE USED.
- 6. <u>DISTRIBUTION SWITCHGEAR</u>: SWITCHGEAR SHALL HAVE ALUMINUM BUS AND HEAVY GAUGE HOUSINGS. SWITCHGEAR IN LOCATIONS OTHER THAN LOCKED ELECTRIC ROOMS SHALL HAVE LOCKABLE COVERS. SWITCHGEAR SHALL HAVE NO LESS THAN 20% SPARE BUSSED AND USABLE SPACE, MEASURED AS A PERCENT OF THE SPACE OCCUPIED BY SPECIFIED CIRCUIT BREAKERS, SWITCHES, ETC.
- . <u>SERVICE SWITCHGEAR</u>: IN ADDITION TO THE ABOVE, SERVICE SWITCHGEAR SHALL MEET THE REQUIREMENTS OF THE SERVING UTILITY.
- 8. PANELBOARDS: PANELS SHALL HAVE ALUMINUM BUS AND HARDWARE, BOLT-ON CIRCUIT BREAKERS, FLUSH MONO-FLAT TRIM, PIANO HINGED DOORS AND COVER (DOOR-IN-DOOR) WITH LOCKABLE MASTER-KEYED FLUSH LATCHES. FLUSH-MOUNTED PANELS SHALL HAVE EMPTY CONDUITS STUBBED TO ACCESSIBLE ATTIC SPACE: (1) 1" CONDUIT FOR EACH (4) SPARE/SPACE CIRCUITS.
- 9. <u>SAFETY SWITCHES</u>: SWITCHES SHALL BE GENERAL DUTY UP TO 250 VOLTS, HEAVY DUTY ABOVE 250 VOLTS. FUSED SWITCHES SHALL BE FUSED PER THE NAMEPLATE REQUIREMENTS OF THE EQUIPMENT BEING CONNECTED.
- 10. MOTOR STARTERS: STARTERS SHALL BE MINIMUM NEMA SIZE I WITH INTEGRAL CONTROL TRANSFORMER, RED NEON "RUN" PILOT LIGHT AND ON-OFF-AUTO SELECTOR SWITCH ON COVER. OVERLOAD DEVICES SHALL BE SIZED PER THE NAMEPLATE AMPS OF THE EQUIPMENT BEING CONTROLLED.
- 11. CONTACTORS: CONTACTORS SHALL BE ELECTRICALLY HELD WITH ON-OFF-AUTO SELECTOR SWITCH ON COVER.
- 12. RATINGS: ALL ELECTRICAL EQUIPMENT SHALL BE FULLY RATED IN EXCESS OF THE MAXIMUM AVAILABLE FAULT CURRENT. MINIMUM RATING SHALL BE 10 KAIC. SERIES-RATING WITH FULL DOCUMENTATION IS ACCEPTABLE.
- 13. <u>WIRING DEVICES</u>: WIRING DEVICES (SWITCHES, RECEPTACLES, ETC.) SHALL BE SPECIFICATION GRADE, MINIMUM 20 AMP RATED. COVER PLATES SHALL BE NYLON. WIRING DEVICES EXPOSED TO THE ELEMENTS SHALL HAVE WEATHERPROOF-IN-USE LOCKABLE COVERS. DEVICE AND PLATE COLOR SHALL MATCH THE ADJACENT SURFACE. COLORS SHALL BE SELECTED FROM INDUSTRY STANDARD WHITE, ALMOND, IVORY, BROWN, GRAY, AND BLACK.
- 14. TRANSFORMERS: TRANSFORMERS SHALL BE TYPE TP-1 MINIMUM, WITH ALUMINUM WINDINGS, RATED 150^C, MOUNTED ON RUBBER-IN-SHEAR VIBRATION ISOLATORS, CONNECTED WITH FLEXIBLE CONDUIT. PUBLISHED NOISE RATING SHALL NOT EXCEED NEMA TP-20 MAXIMUM.
- 15. <u>LIGHTING FIXTURES</u>: LIGHT FIXTURES SHALL BE PROVIDED WITH ALL ASSOCIATED HARDWARE (HANGER BARS, PENDANTS, STEMS, RESTRAINTS, CHAINS, CORDS, LAMPS, ETC.). LENSES SHALL BE ACRYLIC, REFLECTORS SHALL BE ANODIZED. FLUORESCENT BALLASTS SHALL BE ELECTRONIC, PROGRAM RAPID START, THD LESS THAN 10%. FLUORESCENT LAMPS SHALL HAVE MINIMUM CRI OF 80%. INCANDESCENT LAMPS SHALL BE 130 VOLT, INSIDE FROST, MINIMUM 2000 HOUR LIFE. LOW VOLTAGE INCANDESCENT LAMPS SHALL BE HIR HALOGEN, MINIMUM 3000 HOUR LIFE. EXTERIOR LIGHT FIXTURES SHALL BE SEALED AGAINST THE ENTRY OF DUST AND INSECTS: PROVIDE GASKETING AT DOOR AND BACKPLATE, SEAL WIRING ENTRY POINT.
- 16. <u>IDENTIFICATION</u>: IDENTIFY ALL EQUIPMENT, SWITCHBOARD CIRCUITS, AND ELECTRICALLY CONNECTED EQUIPMENT WITH ENGRAVED NAMEPLATES. NAMEPLATES SHALL BE FASTENED WITH A MINIMUM OF TWO (2) SCREWS. PANEL DIRECTORIES SHALL BE TYPED. IDENTIFY WIRING DEVICES WITH SELF ADHESIVE CLEAR SATIN FINISH LABELS WITH SOURCE AND CIRCUIT NUMBER.
- 17. TAMPERPROOF: ALL EOUIPMENT AND CIRCUITING ACCESSIBLE BY THE PUBLIC SHALL BE DEMONSTRATED TO BE TAMPERPROOF AND VANDAL RESISTANT. OPENABLE DEVICES AND EQUIPMENT SHALL BE PAD LOCKABLE.

#### PART THREE - EXECUTION

- 1. GROUNDING: GROUND ALL EQUIPMENT AND SYSTEM NEUTRAL IN ACCORDANCE WITH ARTICLE 250 OF THE NEC. PROVIDE CODE SIZED EQUIPMENT GROUNDING CONDUCTOR IN ALL FEEDERS AND BRANCH CIRCUIT RACEWAYS. WHERE ISOLATED GROUNDS ARE INDICATED, PROVIDE INSULATED CONDUCTOR (GREEN WITH YELLOW STRIPE).
- 2. UTILITY SERVICES: PROVIDE POWER AND COMMUNICATIONS SYSTEM SERVICES IN ACCORDANCE WITH THE REQUIREMENTS OF THE SERVING UTILITIES. PROVIDE EXCAVATION, RACEWAY, STRUCTURES, GROUNDING, ETC. AS DIRECTED. POWER SERVICES AND DISTRIBUTION SYSTEM AIC RATING SHALL EXCEED MAXIMUM AVAILABLE FAULT CURRENT THROUGH UTILITY SERVICE TRANSFORMER. CONTACT SERVING UTILITIES AND OBTAIN THEIR REQUIREMENTS PRIOR TO BID. (UTILITY SERVICE AND LINE EXTENSION CHARGES PAID BY OTHERS).
- 3. <u>TEMPORARY CONSTRUCTION POWER</u>: PROVIDE TEMPORARY ELECTRICAL POWER DISTRIBUTION AND LIGHTING AS REQUIRED FOR ALL TRADES THAT REQUIRE SERVICE DURING THE COURSE OF THIS PROJECT IN COMPLIANCE WITH ALL NEC AND OSHA REQUIREMENTS. (ENERGY COSTS BY OTHERS).
- 4. LOCATIONS: INDICATED LOCATIONS OF ALL OUTLETS AND EQUIPMENT ARE SUBJECT TO CHANGE. SHIFT/RELOCATE/RECONFIGURE ANY OUTLET, EQUIPMENT OR CONNECTION POINT UP TO 10' AS DIRECTED BY ENGINEER AT NO ADDED COST.
- 5. WORKMANSHIP: THE WORK SHALL BE INSTALLED PARALLEL AND AT RIGHT ANGLES TO THE BUILDING LINES, LEVEL, AND PLUMB. THE WORK SHALL BE WELL SUPPORTED AND SOLIDLY MOUNTED. DRESS AND TIE WIRING IN PANELBOARDS AND SWITCHGEAR. THE WORK SHALL BE LEFT CLEAN WITH NO DIRT, DENTS, ABRASIONS, PAINT SPLATTERS, OR OTHER IRREGULARITIES.
- 6. FIRE STOPPING: ALL PENETRATED FIRE RATED SURFACES SHALL BE FIRE SEALED WITH APPROVED U.L. LISTED SEALANTS AS LISTED WITHIN ARCHITECTURAL SPECIFICATIONS. DO NOT EXCEED MAXIMUM ALLOWABLE SURFACE PENETRATIONS DEPENDENT ON RATING OF SURFACES. REFER TO ARCHITECTURAL DRAWINGS FOR DETERMINATION OF PENETRATION LOCATIONS THROUGH FIRE RATED ASSEMBLIES.
- 7. <u>SUPPORTS AND HANGERS</u>: PROVIDE 3" HIGH HOUSEKEEPING CONCRETE PADS FOR FLOOR MOUNTED EQUIPMENT. SUPPORT AND ALIGN ALL RACEWAYS, CABINETS, BOXES, BACK BOXES, FIXTURES, AND EQUIPMENT FROM STRUCTURE. SECURE ALL SUPPORTING METHODS BY MEANS OF TOGGLE BOLTS IN HOLLOW MASONRY, EXPANSION BOLTS IN SOLID MASONRY, CONCRETE PRESET INSERTS OR EXPANSION BOLTS IN CONCRETE, MACHINE SCREWS OR BOLTS IN METAL, AND WOOD SCREWS IN WOOD CONSTRUCTION. ALL SUPPORTING SYSTEMS AND COMPONENTS SHALL BE RATED FOR FIVE (5) TIMES THE ACTUAL LOAD.
- 8. <u>SLEEVES AND PENETRATIONS</u>: PENETRATIONS OF ALL SURFACES SHALL BE PROVIDED WITH SLEEVES THAT SHALL BE SEALED WITH LIKE MATERIALS AND SHALL BE FINISHED WITH ESCUTCHEON PLATES. PENETRATIONS BELOW GRADE LEVEL SHALL BE WATERTIGHT. PENETRATIONS AT EXTERIOR WALLS SHALL BE WEATHERPROOF. ROOF PENETRATIONS SHALL BE FLASHED AND COUNTER FLASHED.
- 9. EXPANSION AND CONTRACTION: RACEWAYS PASSING THROUGH BUILDING EXPANSION JOINTS, ON ROOF, AND IN AREAS OF TEMPERATURE VARIATIONS GREATER THAN 30^F SHALL BE INSTALLED WITH EXPANSION FITTINGS.
- 10. <u>IDENTIFICATION</u>: IDENTIFY ALL EQUIPMENT, SWITCHBOARD CIRCUITS AND ELECTRICALLY CONNECTED EQUIPMENT WITH ENGRAVED NAMEPLATES. NAMEPLATES SHALL BE FASTENED WITH A MINIMUM OF TWO (2) SCREWS. PANEL DIRECTORIES SHALL BE TYPED. BOXES SHALL BE MARKED WITH PANEL AND CIRCUIT NUMBERS (PERMANENT PEN ACCEPTABLE ABOVE CEILING). CONDUCTORS SHALL BE TAGGED WITH CIRCUIT NUMBERS AT SOURCE, JUNCTION BOXES, AND ALL OUTLET BOXES WITH PERMANENT ADHESIVE MARKER STRIP.
- 11. <u>ELECTRIC ROOM CODE COMPLIANCE</u>: DUE TO THE DIAGRAMMATIC NATURE OF THE DESIGN DOCUMENTS (ELECTRICAL, MECHANICAL, PLUMBING, FIRE SPRINKLER, ETC.). IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH ALL OTHER SUBCONTRACTORS AT THE START OF THIS PROJECT TO INFORM AND VERIFY THAT NO FOREIGN SYSTEMS OR EOUIPMENT ARE MOUNTED ABOVE ELECTRICAL EOUIPMENT, OR PASS THROUGH THE DESIGNATED ELECTRIC ROOMS, AND THAT A MINIMUM OF 7'-0" IS PROVIDED AS CLEAR HEADROOM ALONG ACCESS PATHS TO ALL ELECTRIC ROOMS. ANY REROUTING OR RELOCATION OF SYSTEMS THAT A SUBCONTRACTOR FEELS WILL COMPROMISE THE INITIAL DESIGN INTENT SHALL BE DESCRIBED IN WRITING AND FORWARDED TO THE DESIGN ENGINEER FOR FURTHER REVIEW. ALL PIPING TO HVAC UNITS THAT COOL ELECTRIC ROOMS SHALL BE LOCATED ABOVE THE ENTRY DOORS. THE SPRINKLER PIPING TO PROVIDE PROTECTION FOR THE ELECTRIC ROOM IS PREFERRED TO ENTER THE ROOM ABOVE THE ENTRY DOOR AND RUN DOWN THE AISLE SPACES OF THE ROOM. ALL INSTALLATIONS SHALL BE FULLY COORDINATED AMONG
- 12. <u>ELECTRICALLY-OPERATED EQUIPMENT: VERIFICATION AND SUBSTITUTION</u>: FEEDERS AND OVER-CURRENT DEVICES (INCLUDING STARTERS, DISCONNECTS, ETC.) HAVE BEEN DESIGNED BASED ON INFORMATION PROVIDED BY THE RESPONSIBLE CONSULTANT AND/OR DESIGNATED SUPPLIER. PRIOR TO ROUGH-IN, COORDINATE WITH THE APPROPRIATE TRADE AND/OR INSTALLER TO DETERMINE THAT THE ACTUAL NAMEPLATE ELECTRICAL REQUIREMENTS MATCH THIS DESIGN. ALL COST REDUCTION, VALUE ENGINEERING, SUBSTITUTION PROPOSALS, ETC. CONCERNING ELECTRICALLY POWERED EQUIPMENT AND SYSTEMS WHICH IMPACT THE ELECTRICAL SYSTEMS OF THIS PROJECT SHALL INCLUDE ALL ELECTRICAL COSTS AND/OR CREDITS ASSOCIATED WITH SUCH PROPOSALS AND SHALL BE COORDINATED AMONGST THE GENERAL CONTRACTOR AND THE SEVERAL AFFECTED TRADES PRIOR TO SUBMISSION FOR
- 13. COORDINATION: THIS PROJECT REQUIRES A HIGH LEVEL OF COORDINATION AND COOPERATION WITH OWNER, ARCHITECT, OTHER TRADES, VENDORS, AND SPECIALTY CONTRACTORS. THIS CONTRACTOR SHALL OBTAIN AND STUDY SHOP DRAWINGS OF ALL ELECTRICALLY CONNECTED EQUIPMENT AND SHALL ADJUST POINTS OF CONNECTION, LOCATIONS, AND MOUNTING HEIGHTS AS NECESSARY PRIOR TO ROUGH-
- 14. <u>ADDITIONAL SYSTEMS AND EQUIPMENT CONNECTIONS</u>: IN ADDITION TO EQUIPMENT POWER FEEDERS AND CONNECTIONS INDICATED ON THE ELECTRICAL DRAWINGS, PROVIDE 120V CONTROL POWER CONNECTIONS TO SMOKE/FIRE DAMPERS, VAV BOXES, TEMPERATURE CONTROL, AND FIRE ALARM PANELS, DOOR HOLDING/LATCHING DEVICES, ETC. AS INDICATED IN THE PROJECT DRAWINGS AND SPECIFICATIONS AS WELL AS ALL DESIGN-BUILD SYSTEM DRAWING. A. FIRE/SMOKE DAMPER: CONNECT TO EMERGENCY CIRUCIT AND PROVIDE WITH
- SMOKE DETECTOR. MAXIMUM OF 10 DEVICES PER CIRCUIT.
- B. VAV TERMINAL (NO FAN): CONNECT TO NORMAL POWER CIRCUIT (VERIFY). MAXIMUM OF 10 DEVICES PER CIRCUIT C. TEMPERATURE CONTROL PANEL: CONNECT TO EMERGENCY POWER CIRCUIT
- (VERIFY). MAXIMUM OF 1 DEVICE PER CIRCUIT. D. FIRE ALARM PANEL: CONNECT TO EMERGENCY POWER CIRCUIT. MAXIMUM OF 1
- DEVICES PER CIRCUIT. E. DOOR HOLDING/LATCHING DEVICES: CONNECT TO EMERGENCY POWER CIRCUIT. MAXIMUM OF 10 DEVICES PER CIRCUIT.
- 15. <u>24-HOUR OPERATION</u>: CONDUCT WORK TO MINIMIZE DISRUPTION OF OWNER'S ON GOING 24-HOUR OPERATIONS. PROVIDE BARRICADES, NOISE ABATEMENT, AND DUST CONTAINMENT MEASURES TO ENSURE THE SAFETY AND COMFORT OF PATRONS, STAFF, AND WORKERS. INTERRUPTIONS OF EXISTING POWER, COMMUNICATIONS, AND/OR FIRE ALARM SYSTEMS SHALL BE PERFORMED ONLY AT SUCH TIMES AS DIRECTED BY RESIDENT ENGINEER. OUTAGES SHALL BE MOMENTARY IN NATURE, EACH SUCH OUTAGE (OR OPERATION WHICH MAY POSE RISK OF AN ACCIDENTAL OUTAGE) SHALL BE SCHEDULED 48 HOURS IN ADVANCE.
- 16. <u>COMMUNICATION SYSTEMS</u>: THE ELECTRICAL CONTRACTOR SHALL PROVIDE OUTLETS AND RACEWAYS FOR COMMUNICATION SYSTEMS AS INDICATED HEREIN, INCLUDING TELEPHONE, DATA, POINT-OF-SALE, SOUND, SECURITY, AUDIO/VISUAL, CCTV, MATV, ETC. CABLING AND DEVICES SHALL BE INSTALLED AND TERMINATED BY OTHERS.

## HARRAH'S NOLA CIP **AREA E RESTROOMS (120)**

Jazz Casino Company LLC Harrah's Casino

New Orleans, Louisiana 70130

Project Director: Ryan Worrell

8 Canal Street

**JCJ**ARCHITECTURE

6847 PONDEROSA WAY SUITE 100 LAS VEGAS, NV 89118 702.577.2650

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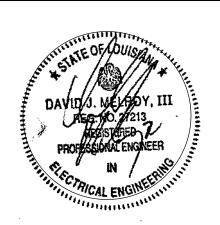


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ISSUE 6/06/2022

DRAWN Author

SCALE 12" = 1'-0" REVISIONS

**ELECTRICAL GENERAL** NOTES

120-E-001

### **GENERAL NOTES:**

- 1. MINIMUM EQUIPMENT A.I.C. RATINGS ARE 14K A.I.C. @ 480/277V AND 10K A.I.C. @ 208/120V UNLESS OTHERWISE NOTED.
- 2. THE DESIGN PROFESSIONAL HAS PERFORMED ALL REQUIRED SHORT CIRCUIT CALCULATIONS AND THE A.I.C. RATINGS INDICATED FOR EACH DEVICE ARE ADEQUATE TO PROTECT THE EQUIPMENT AND THE ELECTRICAL SYSTEM.
- 3. THE DESIGN PROFESSIONAL HAS PERFORMED ALL REQUIRED VOLTAGE DROP CALCULATIONS FOR ALL BRANCH CIRCUITS AND FEEDERS PER 2017 NATIONAL ELECTRICAL CODE ARTICLE 210.19(A)(1), FPN NO. 4.
- 4. PANELBOARD LOAD SUMMARIES INCLUDE ADDITIONAL 25% OF ALL CONTINUOUS AND LARGEST MOTOR LOADS WHERE APPLICABLE.

## SHEET NOTES:

- 1. EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED. REFER TO SHEET 210-ED-112H FOR ADDITIONAL REQUIREMENTS.
- 2. EXISTING FEEDER TO BE REMOVED. THIS SHALL INCLUDE, BUT NOT LIMITED TO FEEDER CONDUIT AND CONDUCTORS BACK TO SOURCE.

437 KVA (1214 A)

--- KVA ( ---- A)

T: 437 KVA (1214 A)

(E) AA/FA = 500/665KVA 13.2KV - 208/120V %Z = 5.75

2000/3 (E)

# HARRAH'S NOLA CIP

**AREA E RESTROOMS (120)** 

Jazz Casino Company LLC Harrah's Casino 8 Canal Street New Orleans, Louisiana 70130 Project Director: Ryan Worrell

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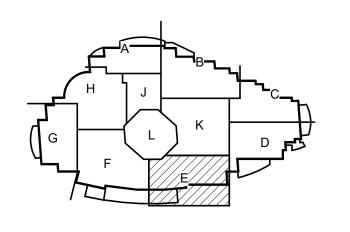
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INCOMING/OUTGOING

→ MV FEEDER

13.2KV





120 -

PERMIT SET 6/06/2022



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SCALE \_\_\_1/8" = 1'-0"

REVISIONS

**PARTIAL SINGLE LINE** 

120-E-010

SUBSTATION 'DSF' SIDE B - DEMOLITION

DIAGRAM - DIST.

PARTIAL SINGLE LINE DIAGRAM - DISTRIBUTION 1 SUBSTATION 'DSF' SIDE A - DEMOLITION 120-E-010 NTS

400/3

SPACE

100/3

400/3

100/3

(E) PANEL NLF12B

150/3

(E) PANEL NLF6B

225/3

(X)

(X) | | PANEL | NLF15B | | 22 |

225/3

(E) PANEL NLF14B

(E) SUBSTATION 'DSF' - SIDE 'A'

225/3

\_\_\_(E)

(E) PANEL NLF1B

(E) PANEL GPF1BD

∕−(E)

225/3

(E) PANEL NLF2B

225/3

(E) PANEL NLF3B

2000/3 (E)

TIE BREAKER

(E) PANEL GPF1BB

(E) PANEL GPF1BC

(E) DISTRIBUTION SUBSTATION 'DSF' - SIDE 'B'

400/3

SPARE

208/120V, 3 Ø, 4W - 2000A

35KAIC BRACING

100/3

(E) PANEL NLF4B

(E) PANEL NLF11B

\_\_(E)

**AREA E RESTROOMS (120)** 

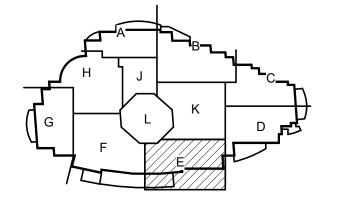
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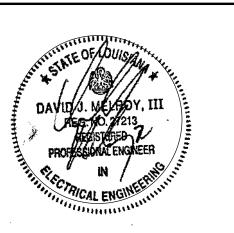
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KEY PLAN

120 -PERMIT SET 6/06/2022



ISSUE 6/06/2022

DRAWN Author

SCALE 1/8" = 1'-0"

REVISIONS

PARTIAL SINGLE LINE DIAGRAM - DIST. SUBSTATION 'DSM' SIDE A

120-E-011



400/3

SPACE

225/3

SPACE

225/3

225/3

SPACE

400/3

SPACE

150/3

ELTS PANEL EDPLM1B

(E) PANEL ULM5B

(XXX) KVA (XXX) KVA

(E) DISTRIBUTION SUBSTATION 'DSM' - SIDE 'B' - EMERGENCY 208/120V, 3 Ø, 4W - 2000A 35KAIC BRACING

100/3

(XXX) KVA (XXX) KVA 225/3

SPARE

(E) PANEL ULM3B

(XXX) KVA (XXX) KVA

**SUBSTATION 'DSM' SIDE B** 

120-E-012 NTS

(XXX) KVA (XXX) KVA

PARTIAL SINGLE LINE DIAGRAM - DISTRIBUTION

175/3

() KVA () KVA (E)

(E) DISTRIBUTION SUBSTATION 'DSM' - SIDE 'A'

400/3

(E) LIGHTING CONTACTOR

225/3

(E)

(1) KVA (1) KVA

(XX) KVA (XX) KVA

(XXX) KVA (XXX) KVA

(XXX) KVA (XXX) KVA (XXX) KVA

100/3

\_\_(E)

(12) KVA (12) KVA 100/3

(E)

(XXX) KVA (XXX) KVA

- 2000A BUS DUCT

2000/3 (E)

TIE BREAKER



AREA E RESTROOMS (120)

Jazz Casino Company LLC Harrah's Casino 8 Canal Street New Orleans, Louisiana 70130 Project Director: Ryan Worrell

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CONSULTANT:

ENGINEERING CONSULTANTS

ENGINEERING CONSULTANTS

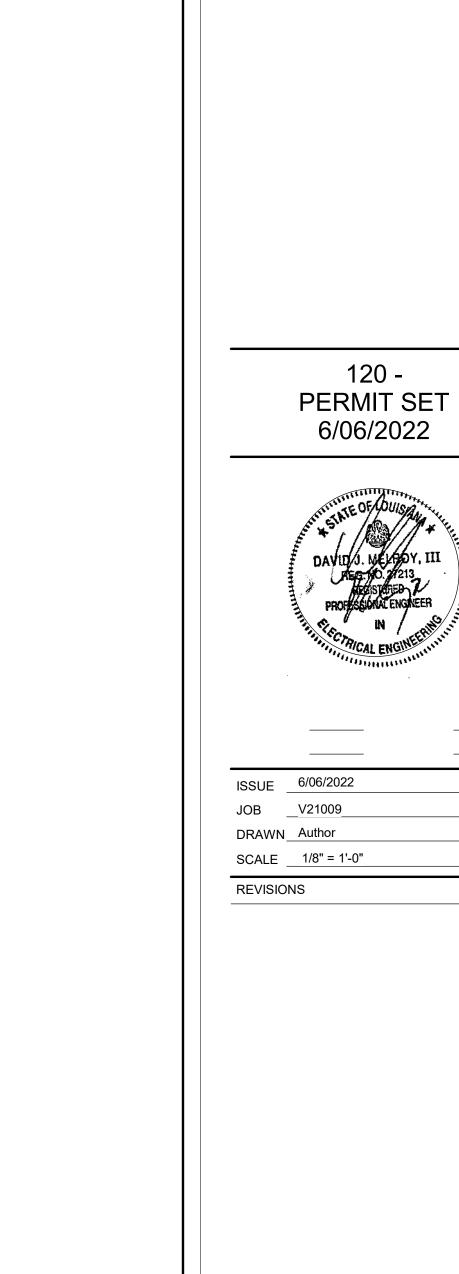
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► INCOMING/OUTGOING

→ MV FEEDER

 E:
 316 KVA ( 878 A)

 N:
 1 KVA ( 3 A)

 T:
 317 KVA ( 881 A)

13.2KV

(E) AA/FA = 500/665KVA 13.2KV - 208/120V

2000/3 (E)

MAIN

%Z = 5.75

PARTIAL SINGLE LINE DIAGRAM - DIST. SUBSTATION 'DSM' SIDE B

120-E-012

SHEET NOTES:

1. FURNISH AND INSTALL NEW CIRCUIT BREAKER INDICATED WITH ALL REQUIRED MOUNTING HARDWARE. NEW CIRCUIT BREAKER AIC SHOULD MATCH EXISTING.

**Existing Panel: EHD13B** Volts: 277/480V Wye **A.I.C. Rating:** 22,000 AIC Supply From: EHD9B Phases: 3 Main Type: MLO Mounting: SURFACE Wires: 4 Main Rating (A): Enclosure: NEMA 1 Bus Rating (A): 100 A СКТ **Circuit Description** В C es Trip **Circuit Description** 15 A 3 0 0 0 1 20 A EXISTING LOAD

15 A 3 0 0 0 1 20 A EXISTING LOAD

15 A 3 0 0 0 1 20 A EXISTING LOAD

20 A 1 0 0 0 1 20 A EXISTING LOAD

20 A 1 0 0 0 1 20 A EXISTING LOAD

20 A 1 0 0 0 1 20 A EXISTING LOAD

20 A 1 0 0 0 1 20 A EXISTING LOAD

20 A 1 0 0 0 1 20 A EXISTING LOAD

20 A 1 0 0 0 1 20 A EXISTING LOAD

20 A 1 0 0 0 1 20 A EXISTING LOAD

20 A 1 0 0 0 1 20 A EXISTING LOAD

20 A 1 0 0 0 1 20 A EXISTING LOAD

20 A 1 0 0 0 5 PARE

--- --- SPACE

15 A 3 450 0 --- SPACE

Total... 450 VA 450 VA 3 EXISTING LOAD 9 EXISTING LOAD 13 EXISTING LOAD 15 EXISTING LOAD 17 EXISTING LOAD 19 EXISTING LOAD 21 EXISTING LOAD 23 SPACE 
 Total...
 450 VA
 450 VA
 450 VA

 Total...
 2 A
 2 A
 2 A
 **Load Classification** Connected Load | Demand Factor | Estimated... **Panel Totals** 1350 VA 100.00% 1350 VA **Total Connected Load:** 1 kVA **Total Est. Demanded Load:** 1 kVA **Total Connected Balanced Amps:** 2 A **Total Est. Demanded Bal. Amps:** 2 A

	Location: Supply From: Mounting: SURFACE Enclosure: NEMA 1			Bus	Pl	nases: Wires:	_	08V Wy	re			I.C. Rating: 10,000 AIC Main Type: MCB Rating (A): 100 A	
СКТ	Circuit Description	Trip	Pol es	A			В			Pol es	Trip	Circuit Description	СКТ
1		30.4	_	0	0						-		2
3	EXISTING LOAD	30 A	2			0	0			3	20 A	EXISTING LOAD	4
5	EXISTING LOAD	20 A	1					0	0				6
7		20 A	1		400					1	20 A	RESTROOM RECEPTS	8
9							600			1	20 A	RESTROOM RECEPTS	10
11									600	1	20 A	RESTROOM RECEPTS	12
13	VAV-07-11 RESTROOM LIGHTING			100	400					1	20 A	RESTROOM RECEPTS	14
15	VAV-07-11 RESTROOM LIGHTING					100	600			1	20 A	RESTROOM RECEPTS	16
17	SPARE	20 A	1					0	0	1	20 A	SPARE	18
19	SPARE	20 A	1	0	0					1	20 A	SPARE	20
21	SPACE					0	0					SPACE	22
23	SPACE							0	0			SPACE	24
25	SPACE			0	0							SPACE	26
27	SPACE					0	0					SPACE	28
29	SPACE							0	0			SPACE	30
		Tot	tal	900	VA	120	0 VA	600	VA				
		Tot	tal	8 /	Д	10	) A	5	Α				
Load	Classification	Conn	ecte	d Load	Den	nand F	actor	Esti	mated			Panel Totals	
Recep	tacle	2	2700	VA		00.00'	%	27	700 VA				
												<b>Total Connected Load:</b> 3 kVA	
												<b>Total Est. Demanded Load:</b> 3 kVA	
												<b>Connected Balanced Amps:</b> 7 A	
											Tota	I Est. Demanded Bal. Amps: 7 A	

## PANEL SCHEDULE LEGEND

PANEL LOAD TYPES K FOOD SERVICE KITCHEN LOADS L LIGHITNG LOADS M MOTOR LOADS O OTHER LOADS R RECEPTACLE LOADS

PANEL BREAKER NOTES A ARCH FAULT BREAKER B GFCI BREAKER (5 mA) C GFCI BREAKER (30 mA) D HACR BREAKER E SWITCHING SWD BREAKER F SHUNT TRIP BREAKER G LOCK-ON H LOCK-OFF

PANEL INDEX		
 	EHD13B	
 	NLF2B-2	

HARRAH'S NOLA CIP

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# **AREA E RESTROOMS (120)**

Jazz Casino Company LLC

New Orleans, Louisiana 70130 Project Director: Ryan Worrell

Harrah's Casino 8 Canal Street

ISSUE \_\_\_6/06/2022 JOB \_\_V21009\_\_ DRAWN Author

**PANEL SCHEDULES** 

120-E-020

SCALE \_\_\_\_ REVISIONS

E	MERGEN	CY LIGHTII	NG TRANS	SFER CABINET 'EDPI	LM1B' SCHEDULE	PANEL: 36 CIRCUITS
INCOMING	LINE: 120	0/208V, 3P,4W		MAINS RATING: 40	00 A, NEMA 1 LOAD:	1 KVA
DIMMER NUMBER	CIRCUIT NUMBER	CIRCUIT BREAKER	LOAD	LOAD LOCATION	LOAD DESCRIPTI	ON
3	X1	20A	140	RESTROOM	FIXTURE 'R-DV	V1'-A02
9	X2	20A	120	RESTROOM	FIXTURE 'R-DA	\2'-A03
11	Х3	20A	40	RESTROOM	FIXTURE 'R-DA	\2'-A07
21	X4	20A	80	RESTROOM	FIXTURE 'R-DA	\2'-A11
12	X5	20A	40	RESTROOM	FIXTURE 'R-DA	\2'-A17
22	X6	20A	80	RESTROOM	FIXTURE 'R-DA	\2'-A21
10	X7	20A	40	RESTROOM	FIXTURE VARIO	US-BO1
	X8	20A			SPARE	
	X9	20A			SPARE	
	X10	20A			SPARE	
	X11	20A			SPARE	
	X12	20A			SPARE	
	X13	20A			SPARE	
	X14	20A			SPARE	
	X15	20A			SPARE	
	X16	20A			SPARE	
	X17	20A			SPARE	
	X18	20A			SPARE	
	X19	20A			SPARE	
	X20	20A			SPARE	
	X21	20A			SPARE	
	X22	20A			SPARE	
	X23	20A			SPARE	
	X24	20A			SPARE	
	X25	20A			SPARE	
	X26	20A			SPARE	
	X27	20A			SPARE	
	X28	20A			SPARE	
	X29	20A			SPARE	
	X30	20A			SPARE	
	X31	20A			SPARE	
	X32	20A			SPARE	
	X33	20A			SPARE	
	X34	20A			SPARE	
	X35	20A			SPARE	
	X36	20A			SPARE	

## **GENERAL NOTES:**

- DIMMER SYSTEM SHALL BE AS MANUFACTURED BY ETC OR APPROVED EQUIVALENT. DIMMER PANEL SHALL BE ETC SENSOR SERIES WITH PARADIGM PROCESSOR AND CONTROLS.
- 2. ELTS PANEL SHALL BE AS MANUFACTURED BY ETC OR APPROVED EQUIVALENT.

## SHEET NOTES:

1. ROUTE CIRCUIT THROUGH ELTS PANEL 'EDPLM1B'.

NCOMING	LINE: 120/2	:08V,3P,4W	MAIN	NS RATING: 800 A		LOAD: 2 KVA
DIMMER NUMBER	WATTAGE RATING	LOAD	MODULE TYPE	LOAD LOCATION	LOAD DESCRIPTION	CONTROL CHANNEL
1	1200	90	ELV10-S	RESTROOM	FIXTURE 'R-DA1'	A15
7	1200 2400	320	ELV10-S R15AF	RESTROOM	SPARE FIXTURE 'R-LL2'	A10
8	2400	320	R15AF	RESTROOM	FIXTURE 'R-LL2'	A20
13 14					AIR FLOW MODULE  AIR FLOW MODULE	
19					AIR FLOW MODULE	
20 25					AIR FLOW MODULE  AIR FLOW MODULE	
26					AIR FLOW MODULE	
31 32					AIR FLOW MODULE  AIR FLOW MODULE	
37					AIR FLOW MODULE	
38 43					AIR FLOW MODULE  AIR FLOW MODULE	
44					AIR FLOW MODULE	
49 50					AIR FLOW MODULE  AIR FLOW MODULE	
55					AIR FLOW MODULE	
56					AIR FLOW MODULE	
61 62					AIR FLOW MODULE  AIR FLOW MODULE	
67					AIR FLOW MODULE	
68 73					AIR FLOW MODULE  AIR FLOW MODULE	
74					AIR FLOW MODULE	
79 80					AIR FLOW MODULE  AIR FLOW MODULE	
85					AIR FLOW MODULE	
86 91					AIR FLOW MODULE  AIR FLOW MODULE	
92					AIR FLOW MODULE	
3	1200 1200	140	ELV10-S ELV10-S	RESTROOM	FIXTURE 'R-DW1' SPARE	A02
9	1200	120	ELV10-S ELV10-S	RESTROOM	FIXTURE 'R-DA2'	A03
10	1200	40	ELV10-S	RESTROOM	VARIOUS	B01
15 16	1200 1200	210	ELV10-S ELV10-S	RESTROOM RESTROOM	FIXTURE 'R-LL3'  SPARE	A01 A01
21	1200	80	ELV10-S	RESTROOM	FIXTURE 'R-DA2'	A11
22 27	1200	80	ELV10-S	RESTROOM	FIXTURE 'R-DA2'  AIR FLOW MODULE	A21
28					AIR FLOW MODULE	
33					AIR FLOW MODULE  AIR FLOW MODULE	
39					AIR FLOW MODULE	
40 45					AIR FLOW MODULE  AIR FLOW MODULE	
46					AIR FLOW MODULE	
51					AIR FLOW MODULE	
52 57					AIR FLOW MODULE  AIR FLOW MODULE	
58					AIR FLOW MODULE	
63 64					AIR FLOW MODULE  AIR FLOW MODULE	
69					AIR FLOW MODULE	
70 75					AIR FLOW MODULE  AIR FLOW MODULE	
76					AIR FLOW MODULE	
81 82					AIR FLOW MODULE  AIR FLOW MODULE	
87					AIR FLOW MODULE	
88					AIR FLOW MODULE	
93 94					AIR FLOW MODULE  AIR FLOW MODULE	
5	1200	60	ELV10-S	RESTROOM	FIXTURE 'R-DA1'	A04
6 11	1200 1200	30 40	ELV10-S ELV10-S	RESTROOM RESTROOM	FIXTURE 'R-DA1' FIXTURE 'R-DA2'	A05 A07
12	1200	40	ELV10-S	RESTROOM	FIXTURE 'R-DA2'	A17
17 18	2400 2400	330 240	R15AF R15AF	RESTROOM RESTROOM	FIXTURE 'R-LL1' FIXTURE 'R-LL1'	A09 A18
23					AIRFLOW MODULE	
24 29					AIRFLOW MODULE  AIR FLOW MODULE	
30					AIR FLOW MODULE	
35 36					AIR FLOW MODULE  AIR FLOW MODULE	
41					AIR FLOW MODULE	
42 47		_			AIR FLOW MODULE	
47 48					AIR FLOW MODULE  AIR FLOW MODULE	
53		-		_	AIR FLOW MODULE	
54 59					AIR FLOW MODULE  AIR FLOW MODULE	
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65 66					AIR FLOW MODULE  AIR FLOW MODULE	
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78					AIR FLOW MODULE  AIR FLOW MODULE	
83 84					AIR FLOW MODULE  AIR FLOW MODULE	
84					AIR FLOW MODULE  AIR FLOW MODULE	
90		-		_	AIR FLOW MODULE	
95					AIR FLOW MODULE	

# HARRAH'S NOLA CIP

**AREA E RESTROOMS (120)** 

Jazz Casino Company LLC Harrah's Casino 8 Canal Street New Orleans, Louisiana 70130 Project Director: Ryan Worrell

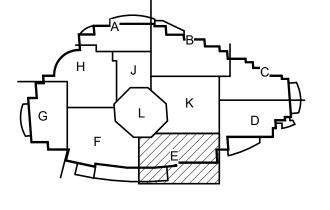
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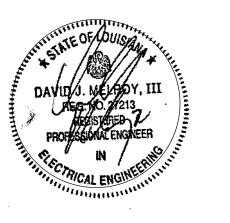
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PERMIT SET 6/06/2022



ISSUE 6/06/2022 JOB \_\_V21009\_\_ DRAWN Author SCALE \_\_\_1/8" = 1'-0"

REVISIONS

**DIMMER PANEL SCHEDULE** 

120-E-030

#### LIGHTING FIXTURE SCHEDULE FIXTURE SCHEDULE GENERAL NOTES: 1. FIXTURES SHALL HAVE APPROPRIATE U.L. LABEL (i.e., DAMP OR WET) AS REQUIRED BY CODES 11. FIXTURES WITH EMERGENCY BATTERY BACKUP SHALL BE WIRED AHEAD OF ANY LOCAL AND ORDINANCES. SWITCHING IN COMPLIANCE WITH NEC ARTICLE 700. 2. FIXTURES SHALL INCLUDE ALL ACCESSORIES NECESSARY FOR INSTALLATION ACCORDING TO 12. EMERGENCY LIGHTING UNITS SHALL BE EQUIPPED WITH FACTORY-INSTALLED INTEGRAL TEST MANUFACTURER'S SHOP DRAWINGS AND AS REQUIRED BY CODES AND LOCAL ORDINANCES. 3. PRIOR TO ORDERING ANY LIGHTING EQUIPMENT, THE CONTRACTOR SHALL COORDINATE ALL 13. FOR ALL FIXTURES LOCATED IN FOOD SERVICE AREAS, PROVIDE DOOR-TO-FRAME AND LENS-TO-FIXTURE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS AND CEILING CAVITY DOOR GASKETING, INVERTED LENS, AND FOOD SERVICE RATING. 14. LED FIXTURES SHALL EQUAL OR EXCEED THE FOLLOWING MINIMUM REQUIREMENTS: 4. ALL LAMPS SHALL BE PROVIDED AND INSTALLED ACCORDING TO THE ATTACHED FIXTURE - L8/50: 80% OF LUMEN OUTPUT AT 50,000 HOURS SCHEDULE AND SPECIFICATIONS. ENSURE COMPATIBILITY BETWEEN FIXTURE, LAMP(S) AND - CRI GREATER THAN OR EQUAL TO 80. - LUMENS PER WATT: DOWNLIGHTS = GREATER THAN 60, OTHERWISE GREATER THAN 90. BALLAST(S). (OSRAM SYLVANIA SERIES) 5. CONTRACTOR SHALL VERIFY FIXTURE VOLTAGES AND CEILING TRIM COMPATIBILITY PRIOR TO - UNIFORMITY: (3) MCADAMS ELLIPSES. ORDERING FIXTURE. - FUNCTIONAL LIFE: GREATER THAN 60,000 HOURS 6. PROVIDE APPROVED FIRE-RATED ENCLOSURES FOR ALL LIGHTING FIXTURES LOCATED IN FIRE-- INTERIOR AMBIENT: GREATER THAN 40°C, 104°F RATED CEILINGS. - EXTERIOR AMBIENT: GREATER THAN 50°C, 122°F 7. LIGHTING FIXTURE CATALOG NUMBERS ARE SERIES TYPE ONLY. PROVIDE ALL NECESSARY - SEAL AGAINST DUST AND INSECT ENTRY. HARDWARE AS REQUIRED BY THE SPECIFICATIONS, DRAWINGS, AND PROJECT CONDITIONS FOR POWER FACTOR: 0.9 OR BETTER. A COMPLETE INSTALLATION. - MANUFACTURERS GUARANTEE: 5 YEARS. 8. ENSURE COMPATIBILITY OF ALL LIGHTING SYSTEM COMPONENTS, ESPECIALLY DIMMED 15. FOR LED RETROFIT LAMPS, PROVIDE SELF-BALLASTED LED LAMPS WITH THESE SYSTEMS. FIXTURES, LED DRIVERS, LAMPS, BALLAST(S), AND DIMMING SYSTEMS/INDIVIDUAL CHARACTERISTICS: CONTROLS SHALL BE FACTORY CERTIFIED COMPATIBLE FOR FULL RANGE OF DIMMING - CRI GREATER THAN OR EQUAL TO 80. COMPATIBILITY. - COLOR = 2700K OR 3000K 9. PROVIDE CLEARANCES FROM COMBUSTIBLES: A MINIMUM OF 1/2" (OTHER THAN AT POINTS OF - LIFE = GREATER THAN OR EQUAL 25,000 HOURS SUPPORT) AND 3" FROM INSULATION FOR RECESSED LIGHTING FIXTURES WHICH ARE NON-IC - MANUFACTURERS GUARANTEE = 5 YEARS. - DIMMABLE AS NOTED. 10. FOR FIXTURES RECESSED IN SUSPENDED T-BAR CEILING, PROVIDE A MINIMUM OF TWO (2) #12 SUPPORT WIRES ATTACHED TO BUILDING FRAME IN ADDITION TO T-BAR CLIPS. LUMENS AS NOTED. 16. WHERE FIXTURE AND/OR LAMP IS SPECIFIED BY MANUFACTURER AND CATALOG NUMBER, PERFORMANCE OF PROPOSED SUBSTITUTE SHALL EQUAL OR EXCEED PUBLISHED DATA OF THE SPECIFIED FIXTURE. LAMP LOAD CONTROL VOLTS MANUFACTURER NOTES EDGE LIT EXIT SIGN WITH BATTERY. SINGLE OR DOUBLE FACE PER PLANS. #ELT-EM-R-XX-BA-X ISOLITE MOUNTING PER PLANS. RED STROKE, BRUSHED ALUMINUM HOUSING

# HARRAH'S NOLA CIP

AREA E RESTROOMS (120)

Jazz Casino Company LLC Harrah's Casino 8 Canal Street New Orleans, Louisiana 70130 Project Director: Ryan Worrell

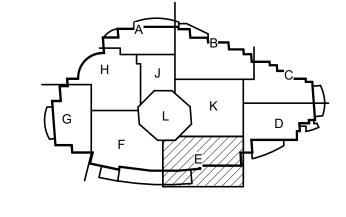
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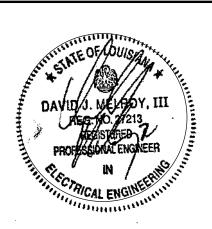


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KEY PLAN

120 -PERMIT SET 6/06/2022



ISSUE 6/06/2022

JOB V21009

DRAWN Author

SCALE

LIGHTING FIXTURE SCHEDULE

120-E-040

# **GENERAL NOTES:** SHEET NOTES: 1. REFER TO SYMBOLS LIST, SHEET '120-E-000', FOR REQUIREMENTS OF "(X)", "(E)", 1. EXISTING PANEL SHALL BE REMOVED. REFER TO SINGLE-LINE DIAGRAM SHEETS AND "(R)" DESIGNATIONS AS SHOWN ON PLAN. FOR ADDITIONAL COMMENTS. 2. FOR EQUIPMENT/DEVICES NOTED AS EXISTING OR IDENTIFIED FOR RELOCATION, 2. WITHIN GAMING AREA, CONTRACTOR SHALL REMOVE ALL FLOOR WIRING, REFER TO CORRESPONDING POWER AND SIGNAL PLAN(S) FOR ADDITIONAL RECEPTACLES, BUT NOT LIMITED TO FROM BASES WITHIN CUSTOMER OWNED INFORMATION AND REQUIREMENTS. SLOT MACHINES, GAMING TABLES BACK TO THE JUNCTION BOX IN FLOOR RACEWAY AND CLOSE OPENINGS IN WALKER DUCT. 3. THE CONTRACTOR SHALL REMOVE DEVICES AS INDICATED. REMOVAL SHALL 3. ALL EXISTING ELECTRICAL IN THIS AREA TO BE REMOVED. THIS SHALL INCLUDE, INCLUDE, BUT IS NOT LIMITED TO, DEVICE, JUNCTION BOX, CONDUIT, CONDUCTORS, ETC. BACK TO SOURCE OR NEAREST DEVICE TO REMAIN ON SAME BUT NOT LIMITED TO OUTLETS, LIGHT FIXTURES, FIRE ALARM EQUIPMENT, LOW VOLTAGE OUTLETS, ELECTRICAL CONNECTIONS TO MECHANICAL, OUTLET BOXES, CONDUIT, CONDUCTORS, ETC. BACK TO NEAREST ACCESSIBLE POINT OF 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE CONTINUITY OF ORIGINATION OR SOURCE. ALL EXISTING FEEDERS AND BRANCH CIRCUITS SCHEDULED TO REMAIN WHICH 4. EXISTING ELECTRICAL WITHIN THIS AREA TO REMAIN. CONTRACTOR TO MAINTAIN MAY PASS THROUGH THE AREA OF DEMOLITION. THE CONTINUITY OF EXISTING FEEDER AND BRANCH CIRCUITS THROUGHOUT 5. REFER TO DEMOLITION AND SALVAGE SPECIFICATION NOTES, SHEET '120-E-001', FOR ADDITIONAL INFORMATION AND REQUIREMENTS. 5. EXISTING WALKER DUCT HOMERUN BOX TO REMAIN. THE CONTRACTOR SHALL 6. PROJECT PHASING: ALL NEW WORK AND WORK REQUIRED TO PROVIDE OPERABLE REMOVE ALL EXISTING HOMERUN BRANCH CIRCUITS, CONDUCTORS BACK TO AND ACTIVE NEW ELECTRICAL SERVICE SHALL BE COMPLETED AND APPROVED PRIOR TO BEGINNING DEMOLITION WORK WHICH MIGHT IMPACT EXISTING SERVICE CONTINUITY. 7. THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING PORTIONS OF THE BUILDING ADJACENT TO CONSTRUCTION AREAS REMAIN FULLY OPERATIONAL. THE CONTRACTOR SHALL RE-ROUTE ELECTRICAL UTILITIES AS NEEDED TO MAINTAIN CONTINUITY OF ALL EXISTING BUILDING AREAS CIRCUITS. J8.5 4 ELECTRICAL DEMOLITION PLAN - FLOOR 1 AREA E

# HARRAH'S NOLA CIP

**AREA E RESTROOMS (120)** 

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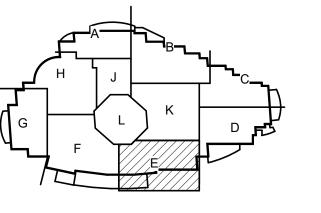
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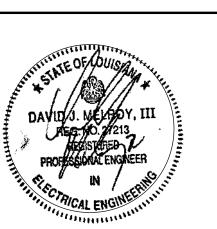
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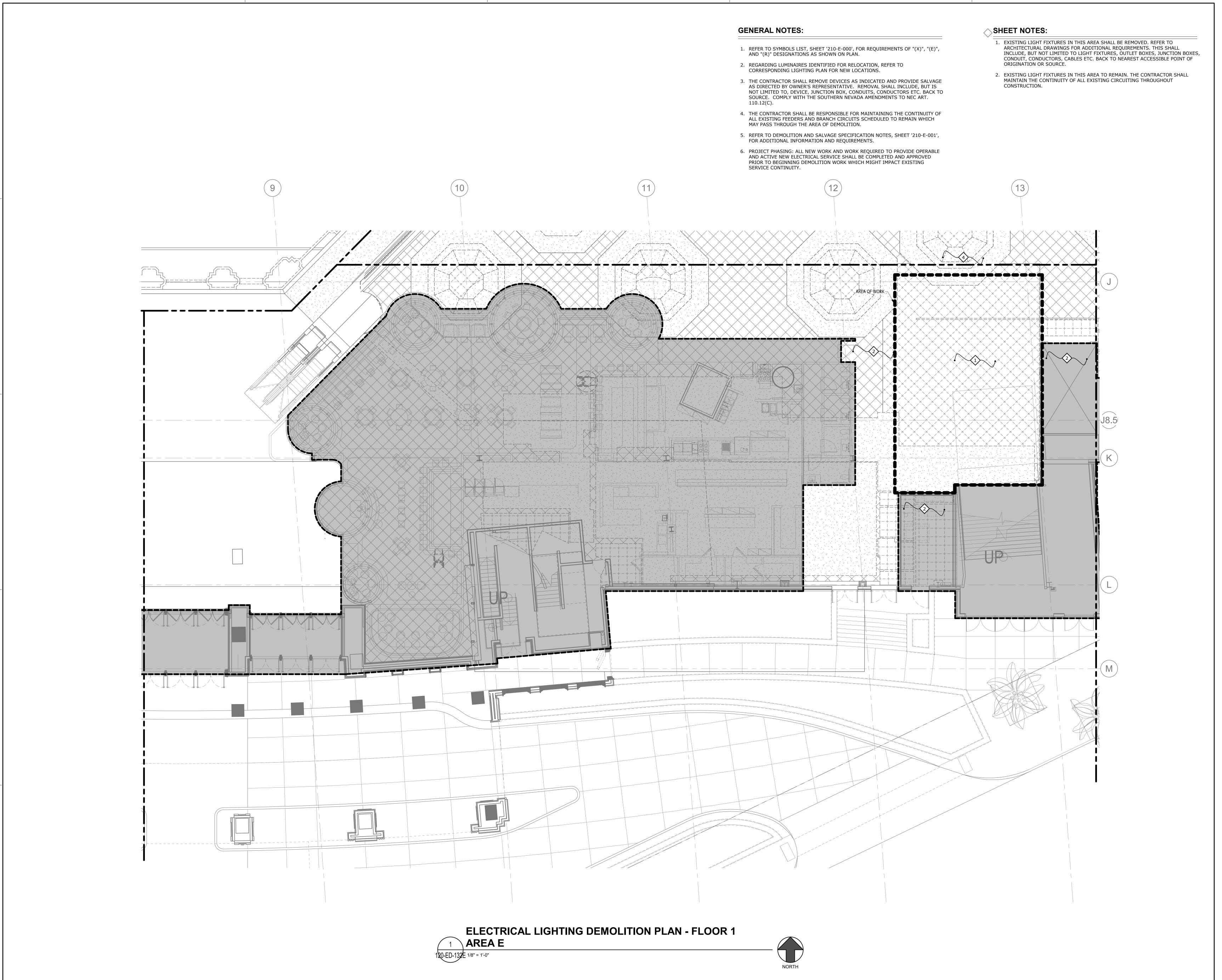
DRAWN <u>Author</u>

SCALE <u>1/8" = 1'-0"</u>

REVISIONS

ELECTRICAL DEMOLITION POWER PLAN - FLOOR 1 AREA E

120-ED-112E



AREA E RESTROOMS (120)

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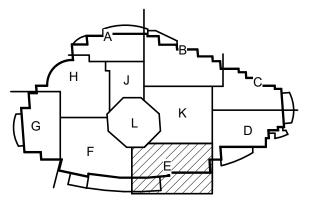
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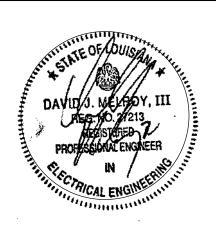
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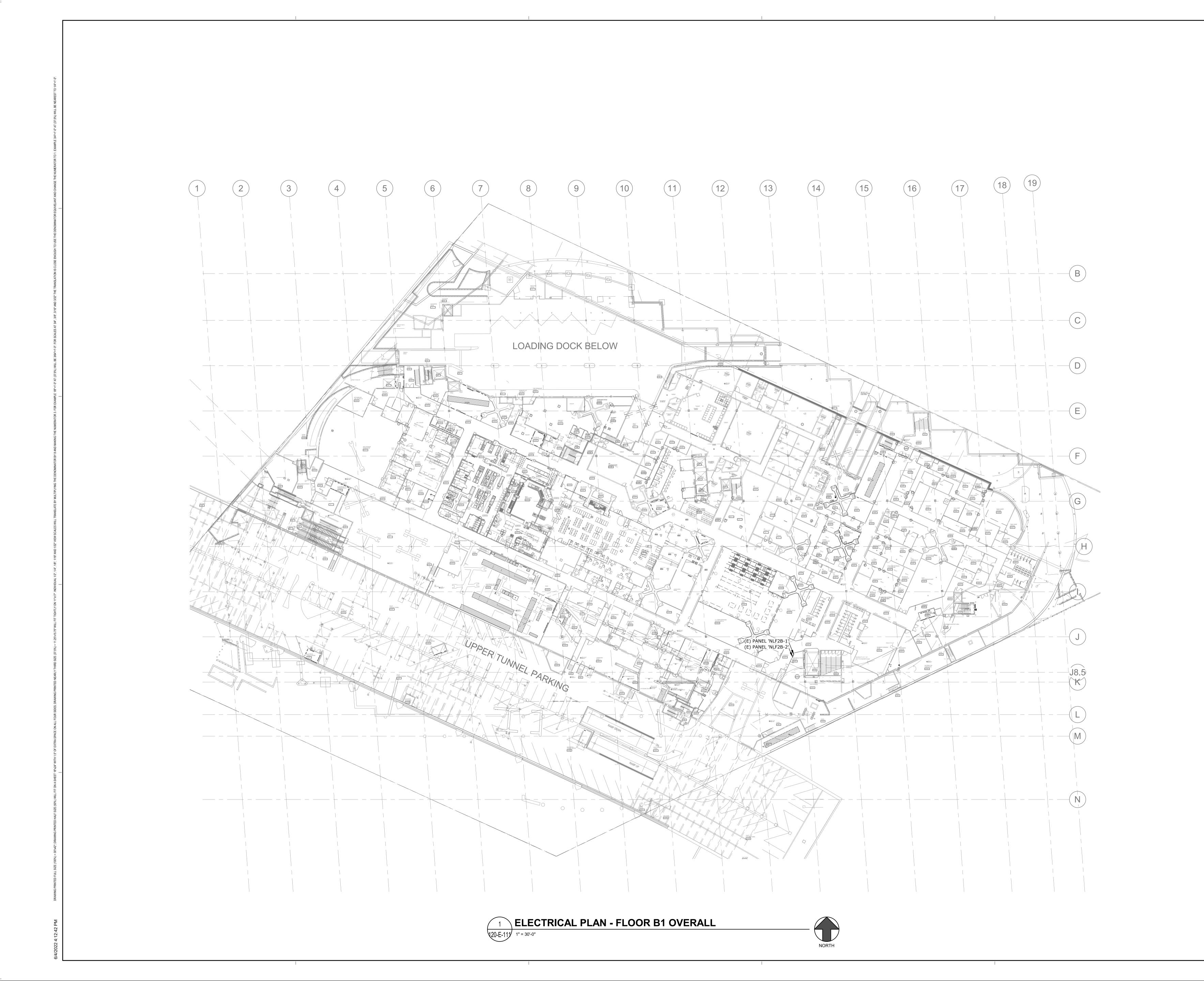
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DRAWN\_Author

ELECTRICAL DEMOLITION LIGHTING PLAN - FLOOR 1 AREA E

120-ED-132E



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SCALE \_\_\_1" = 30'-0"

**ELECTRICAL PLAN - FLOOR** 

**B1 OVERALL** 

120-E-111

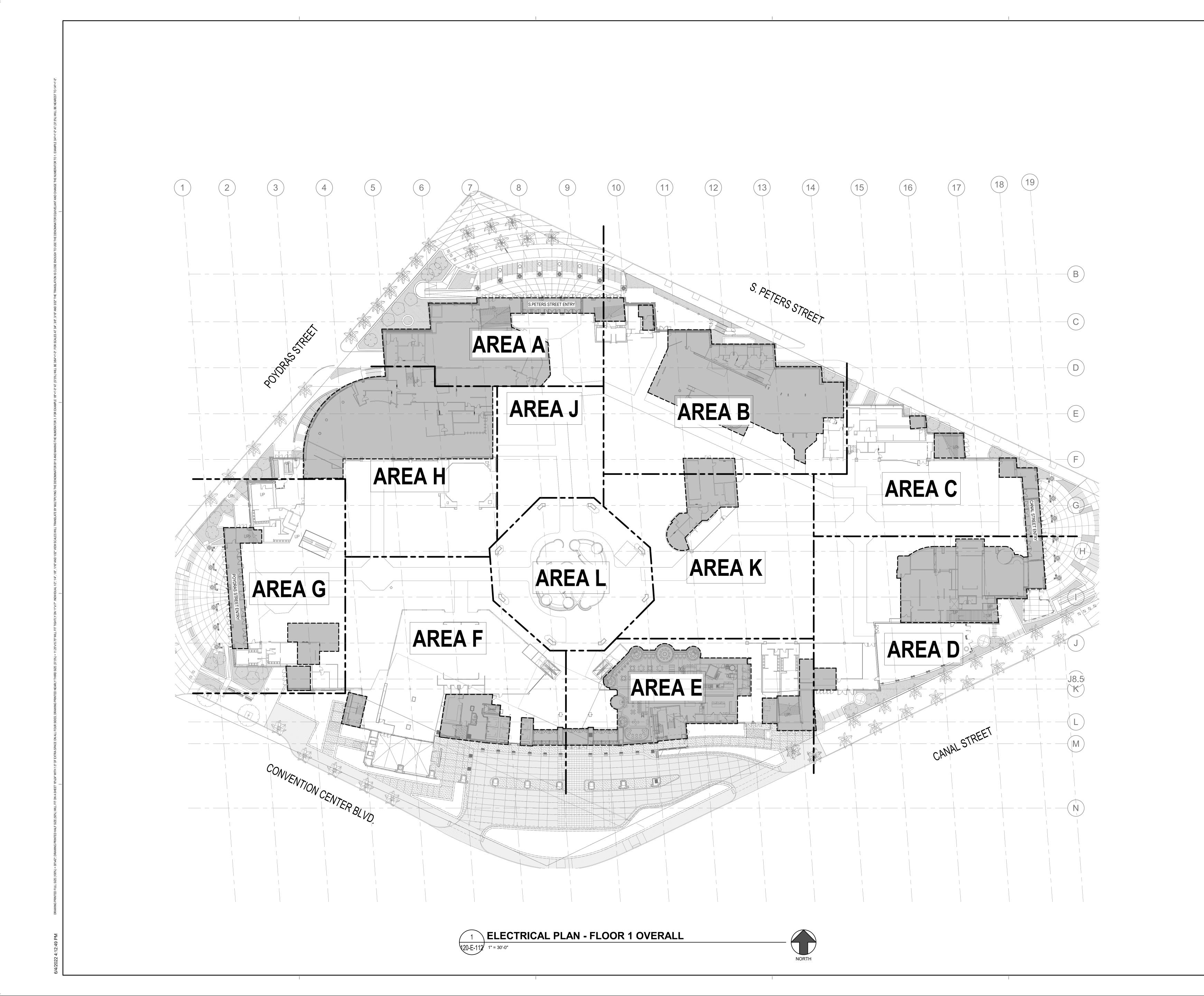
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AREA E RESTROOMS (120)

Jazz Casino Company LLC

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AREA E RESTROOMS (120)

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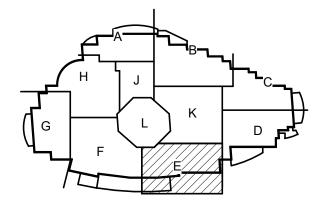
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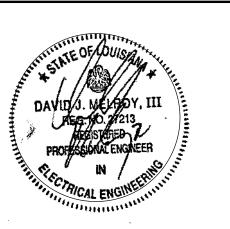
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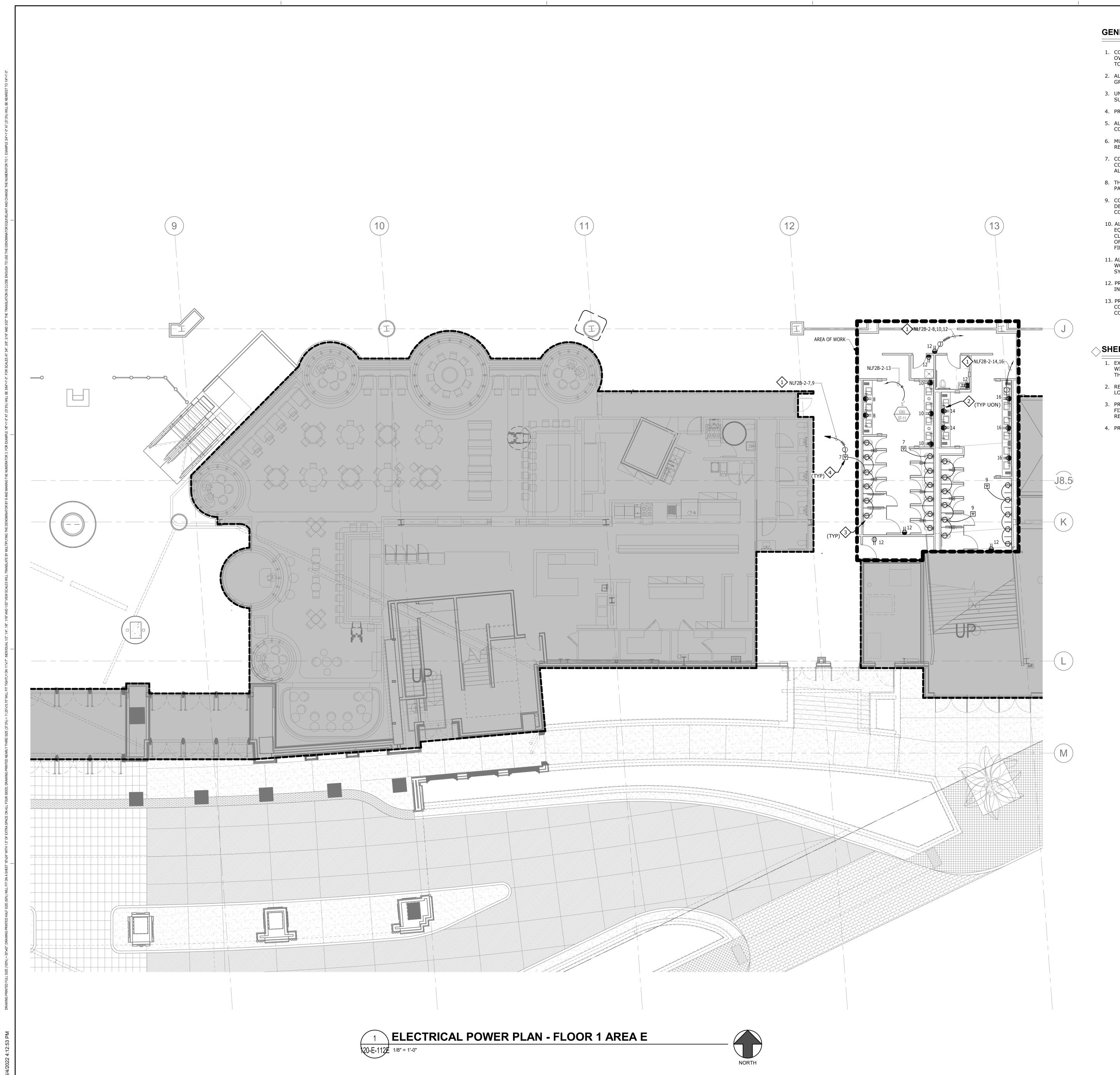
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SCALE \_\_1" = 30'-0"

DRAWN Author

ELECTRICAL PLAN - FLOOR 1 OVERALL

120-E-112



## **GENERAL NOTES:**

- CONFIRM ALL ROUGH-IN LOCATIONS FOR OUTLETS, SWITCHES, ETC. WITH OWNER'S REPRESENTATIVE, GENERAL CONTRACTOR, AND/OR ARCHITECT PRIOR TO ROUGH-IN.
- ALL CONDUIT SHALL BE MINIMUM 3/4" UNLESS OTHERWISE NOTED, AND CARRY A GREEN GROUND CONDUCTOR SIZED PER CODE.
- 3. UNLESS OTHERWISE NOTED, CONDUIT SHALL BE ROUTED CONCEALED FROM VIEW. SURFACE MOUNTING OF CONDUIT IS NOT PERMISSIBLE.
- 4. PROVIDE PULLSTRING IN CONDUIT IF OTHERWISE EMPTY.
- 5. ALL SWITCH, OUTLET, AND FACEPLATE COLORS SHALL BE SELECTED BY AND COORDINATED WITH OWNER'S REPRESENTATIVE AND/OR ARCHITECT.
- 6. MULTI-WIRE BRANCH CIRCUITS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF NEC ARTICLE 210.4 AND RELATED SECTIONS.
- COORDINATE WITH MECHANICAL CONTRACTOR TO ENSURE CONDUIT FOR CONTROL WIRING TO THERMOSTATS/SENSORS IS INSTALLED PER PLANS - REFER ALSO TO MECHANICAL DRAWINGS.
- 8. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, PATCHING AND PAINTING ASSOCIATED WITH THE ELECTRICAL WORK.
- 9. CONTRACTOR SHALL PROVIDE ALL REQUIRED CONNECTIONS FROM ELECTRIFIED DEVICES TO THEIR ASSOCIATED CONTROLS. GENERAL CONTRACTOR SHALL COORDINATE WITH OWNER'S VENDORS AS REQUIRED.
- 10. ALL HVAC EQUIPMENT/DUCTWORK, ELECTRICAL CONDUIT, FIRE SPRINKLER EQUIPMENT/PIPING, AND ALL UTILITY APPURTENANCES SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO UNDERSIDE OF DECK ABOVE TO OPTIMIZE THE AMOUNT OF CLEARANCE SPACE IN CEILING PLENUM BETWEEN STRUCTURAL FRAMING AND FINISHED CEILING SYSTEMS, TYPICAL.
- 11. ALL NEUTRAL CONDUCTORS FOR BRANCH CIRCUITRY TO MODULAR FURNITURE WORKSTATIONS SHALL BE #10 AWG COPPER, MINIMUM. REFER TO FURNITURE SYSTEM MANUFACTURER'S SHOP DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 12. PROVIDE CODE-APPROVED OUTLET BOX WRAP FOR BACK-TO-BACK INSTALLATIONS, OR PROVIDE ADDITIONAL STUD TO SEPARATE OUTLET BOXES.
- 13. PROVIDE ACCESS PANEL(S) FOR DEVICES LOCATED ABOVE HARD LID CEILINGS. COORDINATE LOCATION(S) AND ABOVE CEILING ROUGH-IN WITH GENERAL CONTRACTOR AND/OR ARCHITECT PRIOR TO COMMENCEMENT OF WORK.

## **SHEET NOTES:**

- EXTEND AND CONNECT CIRCUITING FROM JUNCTION BOX TO OUTLETS IN AREA WITH SAME CIRCUIT NUMBERS, ROUTE #12 CONDUCTORS (MINIMUM) THROUGHOUT, UNLESS NOTED OTHERWISE.
- 2. RECEPTACLE SHALL SERVE SOAP DISPENSER/FAUCET. COORDINATE EXACT LOCATION WITH PLUMBING PRIOR TO ROUGH-IN.
- 3. PROVIDE JUNCTION BOX TO SERVE POWER REQUIREMENTS FOR PLUMBING FIXTURE SENSOR. VERIFY EXACT JUNCTION BOX LOCATION AND CONNECTION REQUIREMENTS WITH EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
- 4. PROVIDE LOW VOLTAGE TRANSFORMER MOUNTED ABOVE ACCESSIBLE CEILING.

# HARRAH'S NOLA CIP

AREA E RESTROOMS (120)

Jazz Casino Company LLC Harrah's Casino 8 Canal Street New Orleans, Louisiana 70130 Project Director: Ryan Worrell

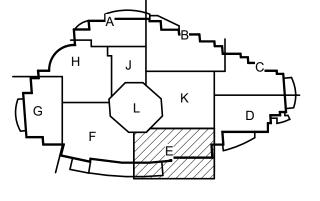
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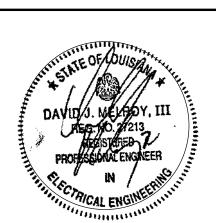


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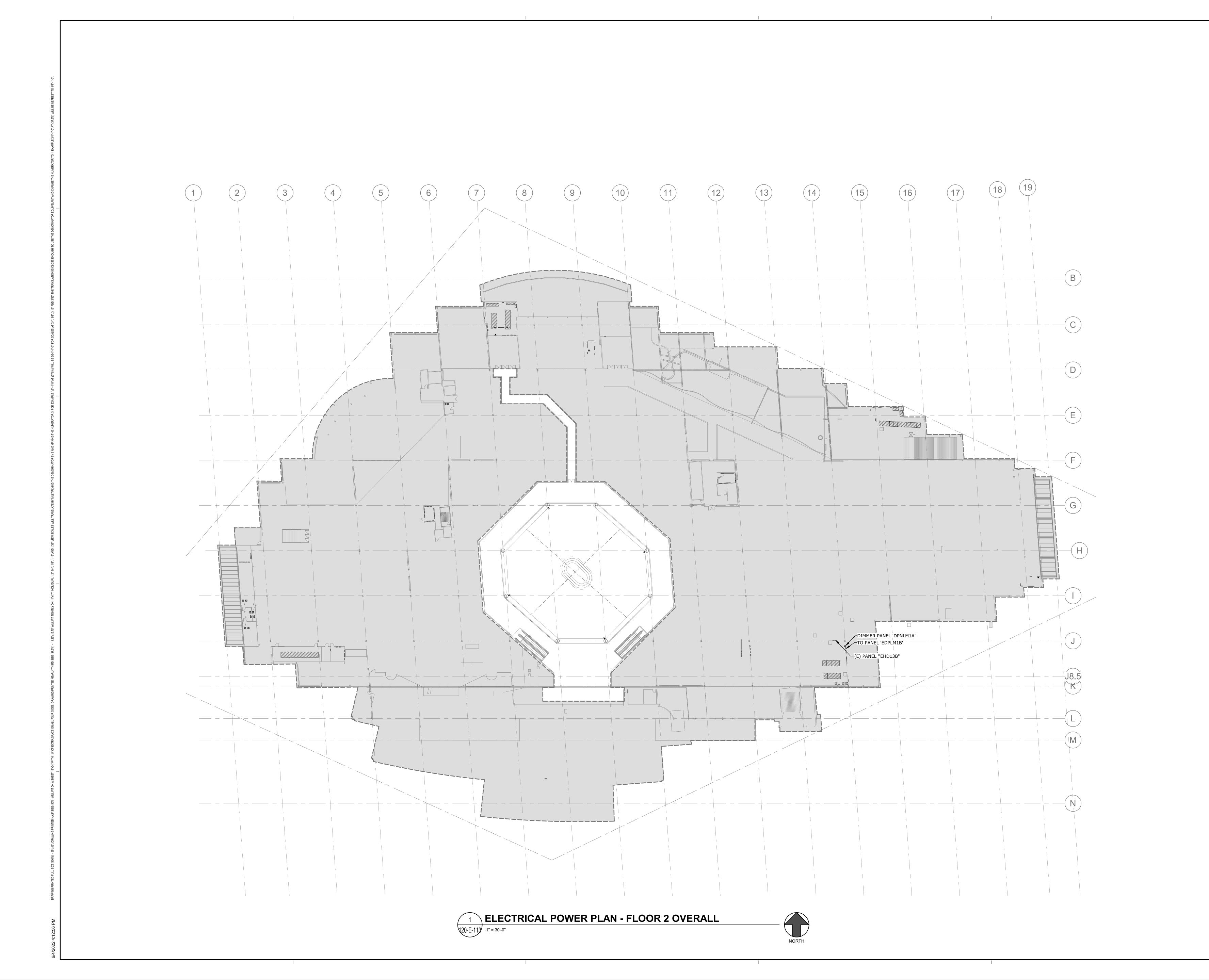
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OB \_\_V21009\_\_ RAWN Author

REVISIONS

ELECTRICAL POWER PLAN - FLOOR 1 AREA E

120-E-112E



# HARRAH'S NOLA CIP AREA E RESTROOMS (120)

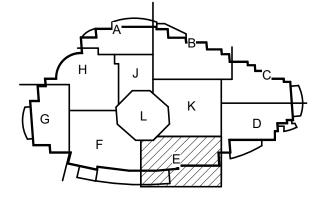
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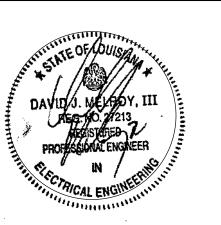
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KEY PLAN

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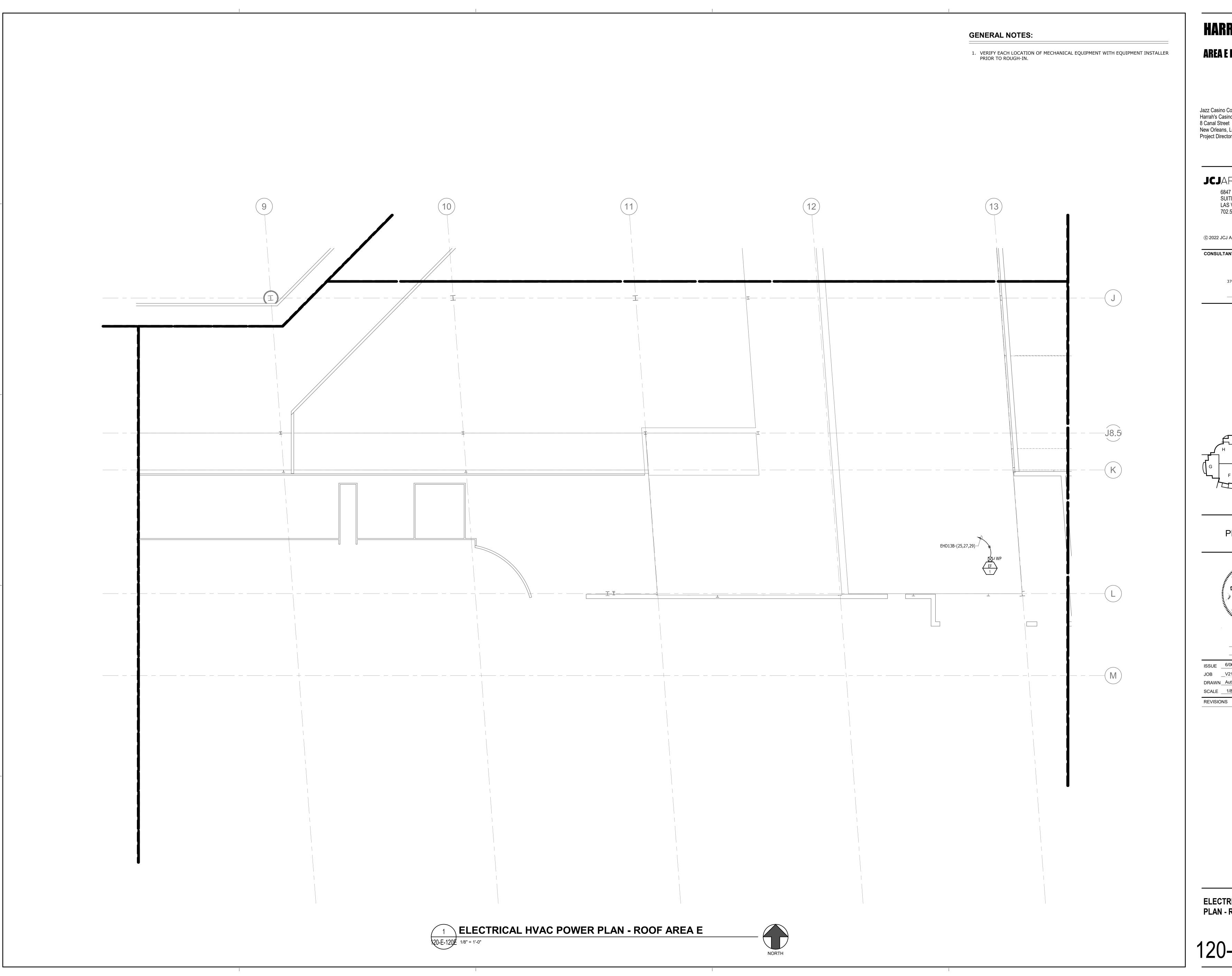
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DRAWN Author

REVISIONS

ELECTRICAL PLAN - FLOOR 2 OVERALL

120-E-113



AREA E RESTROOMS (120)

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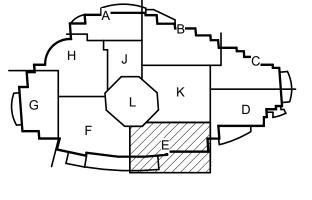
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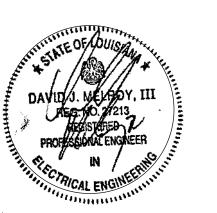
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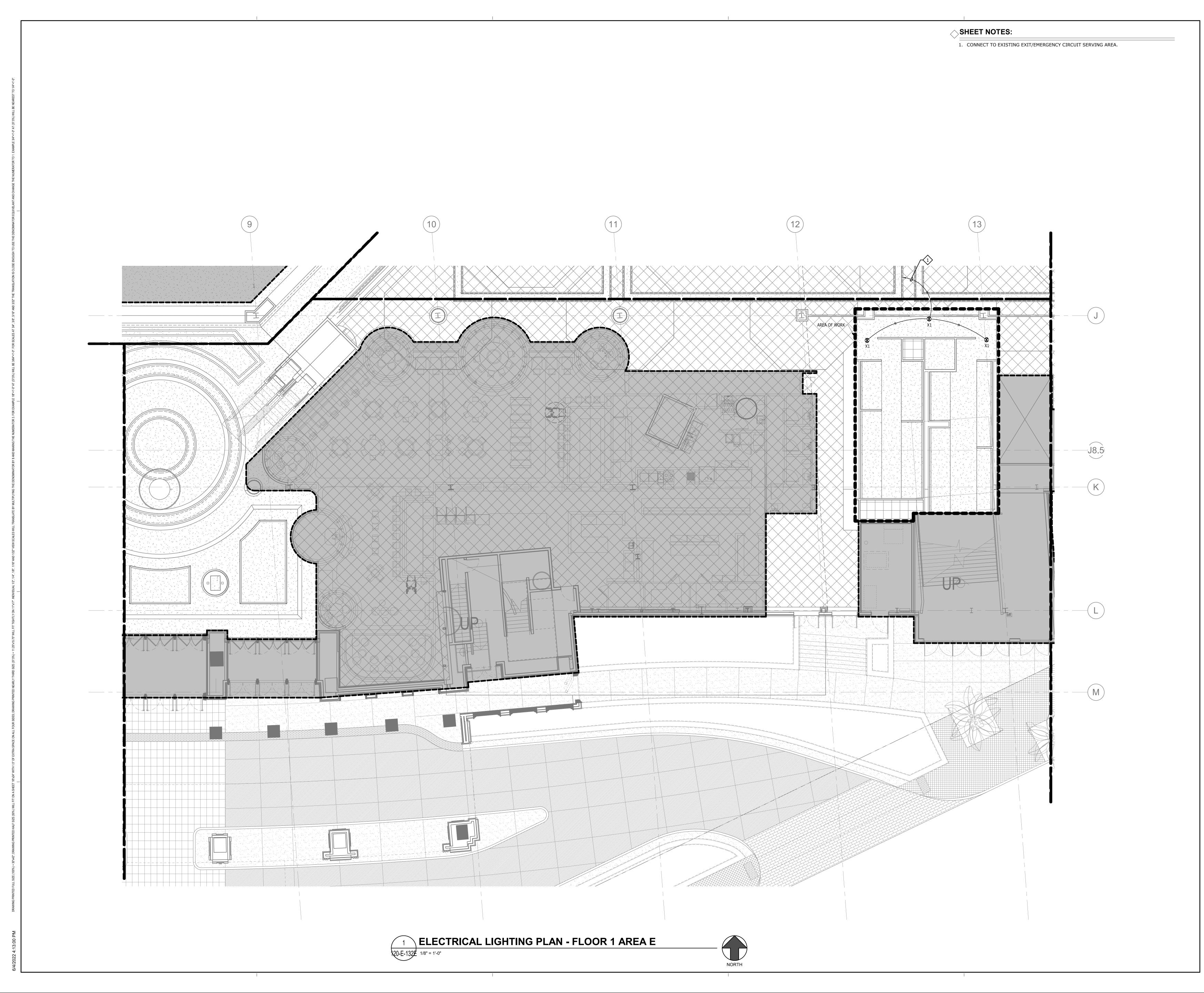


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ELECTRICAL HVAC POWER PLAN - ROOF AREA E

120-E-120E



**AREA E RESTROOMS (120)** 

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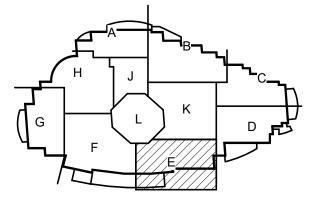
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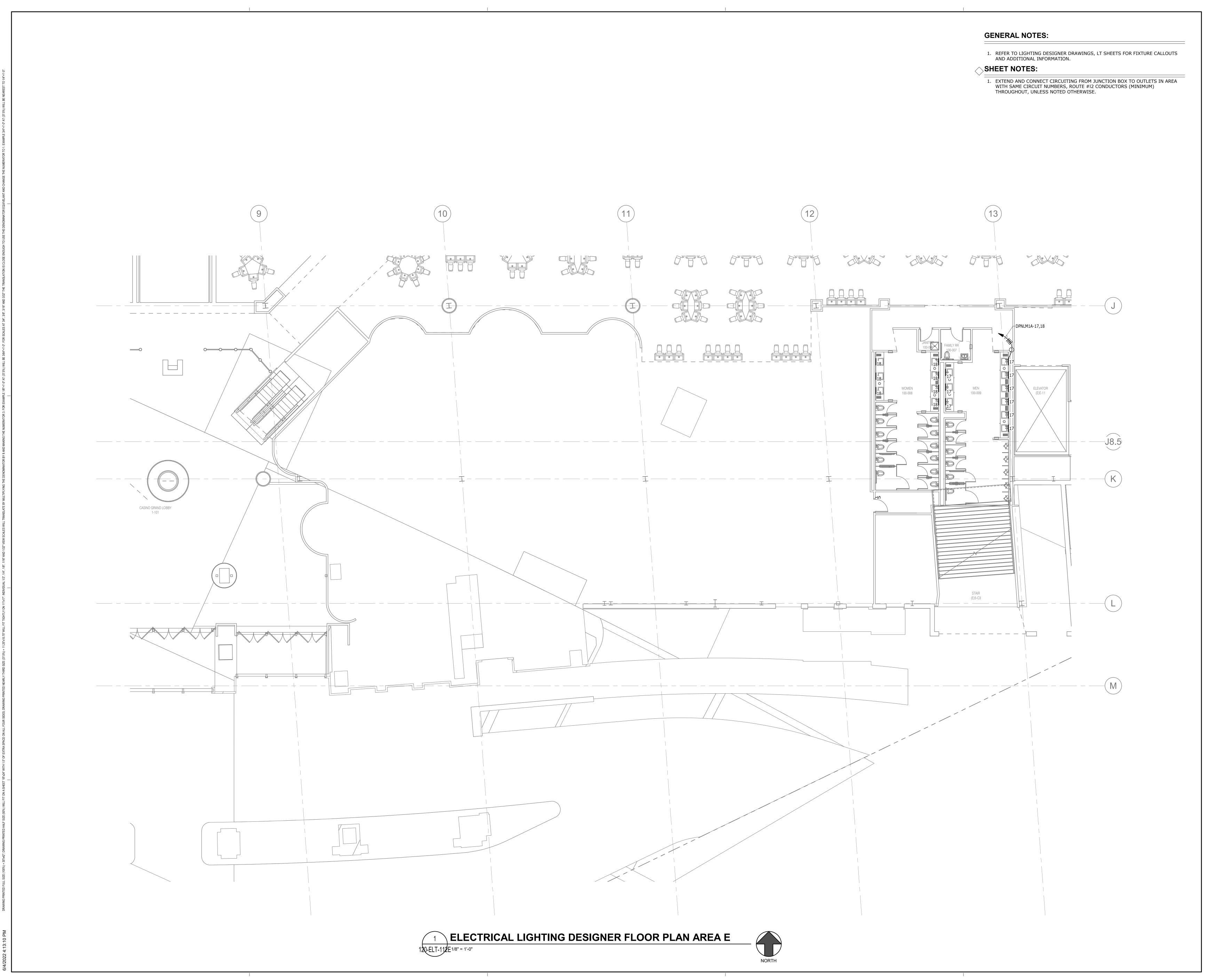
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SCALE 1/8" = 1'-0

REVISIONS

ELECTRICAL LIGHTING PLAN
- FLOOR 1 AREA E

120-E-132E



AREA E RESTROOMS (120)

Jazz Casino Company LLC Harrah's Casino 8 Canal Street New Orleans, Louisiana 70130 Project Director: Ryan Worrell

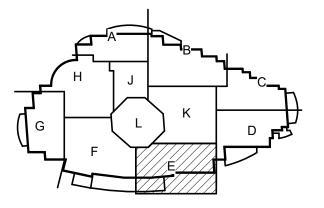
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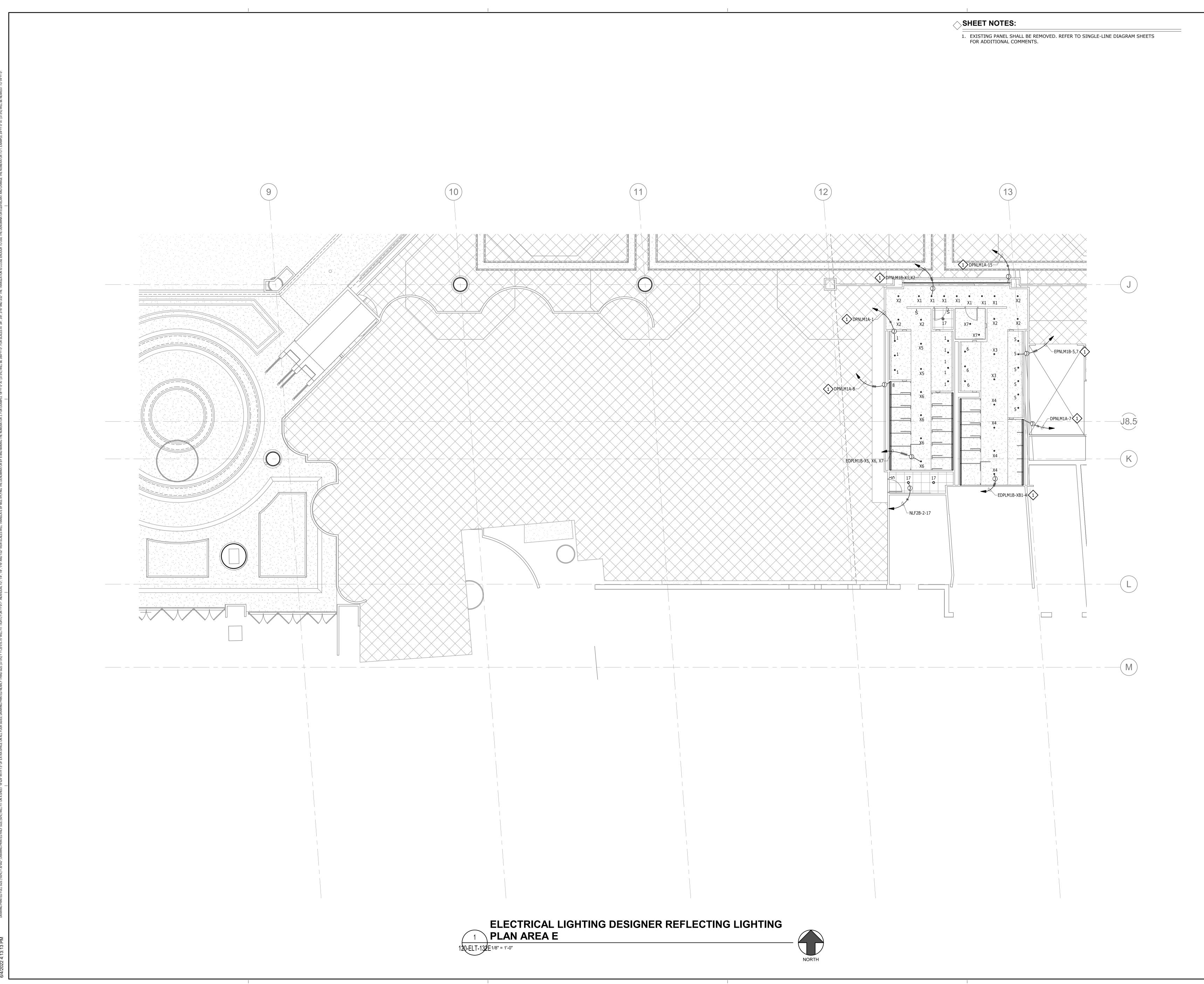
DRAWN <u>Author</u>

SCALE <u>1/8" = 1'-0"</u>

REVISIONS

ELECTRICAL LIGHTING DESIGNER FLOOR LIGHTING PLAN AREA E

120-ELT-112E



# HARRAH'S NOLA CIP AREA E RESTROOMS (120)

Jazz Casino Company LLC Harrah's Casino 8 Canal Street New Orleans, Louisiana 70130 Project Director: Ryan Worrell

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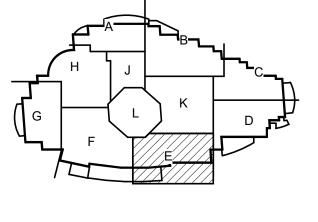
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ENGINEERING CONSULTANTS

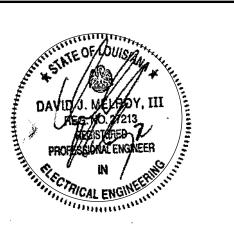
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SCALE 1/8" = 1'-0"

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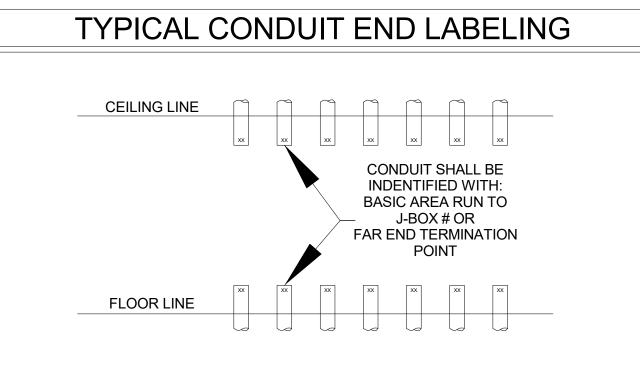
ELECTRICAL LIGHTING DESIGNER REFLECTED LIGHTING PLAN AREA E

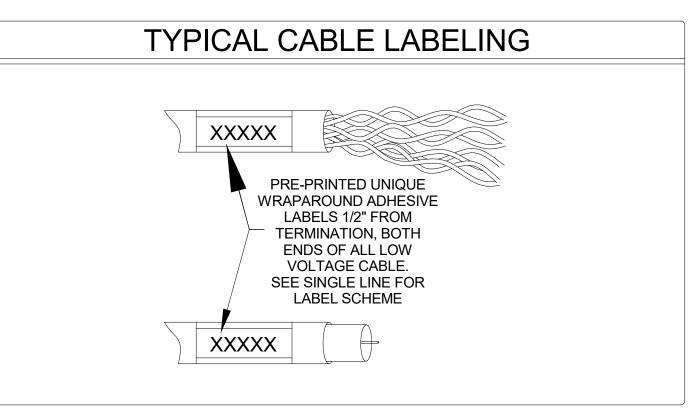
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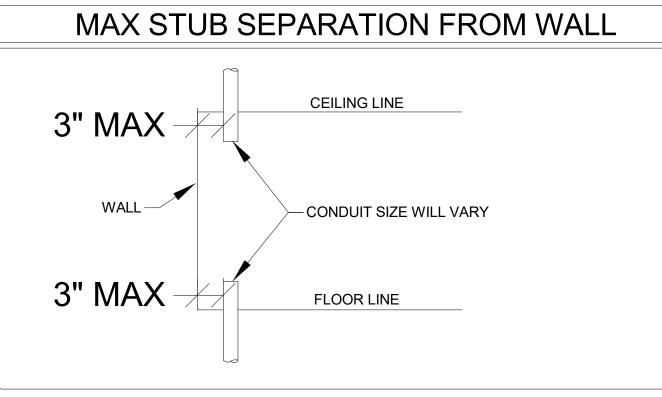
## HARRAHS NOLA - 120 AREA E RESTROOMS

AC	RECEPTACLE LEGEND
SYMBOL D	ESCRIPTION
	DUPLEX WALL MOUNTED
	QUADPLEX WALL MOUNTED
→ IG	ISO GROUND 208V L6-20R WALL MOUNTED
<b>├</b> ○×××AMP	xxx AMP TPN PIN & SLEEVE
	DUPLEX FLOOR OR CEILING
IG	ISO GROUND 208V L6-20R FLOOR OR CEILING
IG	ISO GROUND 120V L5-20R FLOOR OR CEILING
	3-PHASE L21-20R FLOOR OR CEILING
	208V L6-20R FLOOR OR CEILING
	120/208V COMPANY SWITCH AS SHOWN

CONDUIT LABEL KEY
EXACT QTY. OF CABLES REQUIRED
CABLE TYPE  5 D
NOTE: WHERE CONDUIT SIZES ARE SHOWN IN THIS DRAWING SET, THEY ARE FOR REFERENCE ONLY. CONDUIT CONTRACTOR IS RESPONSIBLE FOR PROPER CONDUIT SIZING.







DRAWI	ING SYMBOLS
DRAWING TITLE	DRAWING TITLE  Scale: 1:1
	SECTION NUMBER
CROSS SECTION REFERENCE	SHEET NUMBER
	ELEVATION NUMBER
ELEVATION REFERENCE	SHEET NUMBER

	LIGHTING FIXTURE SYMBOL LEGEND
SYMBOL	DESCRIPTION
0	2" ROUND DOWNLIGHT
ô	2" ROUND ADJUSTABLE DOWNLIGHT
⊖	2" ROUND WALL WASHER
<u> </u>	4" ROUND DOWNLIGHT
ô	4" ROUND ADJUSTABLE DOWNLIGHT
<b>\(\theta\)</b>	4" ROUND WALL WASHER
Ô	6" ROUND DOWNLIGHT
ô	6" ROUND ADJUSTABLE DOWNLIGHT
$\Theta$	6" ROUND WALL WASHER
	2" SQUARE DOWNLIGHT
ô	2" SQUARE ADJUSTABLE DOWNLIGHT
	2" SQUARE WALL WASHER
	4" SQUARE DOWNLIGHT
	4" SQUARE ADJUSTABLE DOWNLIGHT
	4" SQUARE WALL WASHER
	6" SQUARE DOWNLIGHT
	6" SQUARE ADJUSTABLE DOWNLIGHT
	6" SQUARE WALL WASHER
	LINEAR LED FIXTURE - 12" INCREMENTS
	LINEAR LED FIXTURE
\$	LOCALIZED SWITCH
\$ D	LOCALIZED DIMMER SWITCH
#### TYPICAL OF # #	LIGHT FIXTURE IDENTIFIER TYPICAL OF NUMBER CIRCUITING ZONE NUMBER

	LIGHTING CO	NTROL SYMBOL	LEGEND		
SYMBOLDESCRIPTION	MANUFACTURE	R PART NUMBER	BACK BOX	COVER/LIFT	MOUNTING HEIGHT
L1 DIMMABLE FIXTURE - PHASE DIM	PER LIGHTING	SEE FIXTURE SCHEDULE	TBD	-	PER ID/LIGHTING
L2 DIMMABLE FIXTURE - 0-10V	PER LIGHTING	SEE FIXTURE SCHEDULE	TBD	-	PER ID/LIGHTING
DIMMABLE FIXTURE - DMX	PER LIGHTING	SEE FIXTURE SCHEDULE	TBD	-	PER ID/LIGHTING
TOUCHSCREEN CONTROL STATION	ETC	MOSAIC M-TS-x-FBB	2-GANG EU/UK	-	PER ID
· — ,					
PROGRAMMING PORT	TBD	TBD	1-GANG	-	PER ID

	CABLE SCHEDULE			
CABLE TYPE	DESCRIPTION	MANUFACTURER	MODEL#	NOMINAL O.D. (IN.)
Α	24 AWG SHIELDED DIGITAL AUDIO CABLE	BELDEN OR EQUIV.	1800B	0.177
В	RG-8/U 50 OHM COAX	BELDEN OR EQUIV.	9913	0.405
С	1 PAIR, 18 AWG SHIELDED AUDIO CABLE FOR INTERCOM	BELDEN OR EQUIV.	8760	0.222
D	CAT6A SHIELDED - PLENUM RATED	BELDEN OR EQUIV.	10GX63F	0.295
Е	22 AWG (x2) STRANDED COPPER & 18 AWG (x2) STRANDED COPPER - CRESNET CABLE	CRESTRON	CRESNET-NP	0.250
F	12 STRAND SINGLE MODE FIBER	BELDEN OR EQUIV.	B9W042	0.220
Н	LUTRON ECO SYSTEM	LUTRON OR EQUIV.	C-CBL-216-CL-1	0.173
L	0-10V 2@ #16 (1 PURPLE + 1 GRAY)	TBD	TBD	TBD
Р	LUTRON PANEL LINK - PLENUM RATED	LUTRON OR EQUIV.	GRX-PCBL-46L	0.300
Q	LUTRON SENSOR CABLE	LUTRON OR EQUIV.	C-CBL-5225	0.297
X	DMX CABLE	BELDEN OR EQUIV.	9729	0.266

	COMMON ABBR(S):		JOB ABBR(S):
A	AUDIO	F.M.P.M	FLOOR MOUNTED PORTRAIT MODE
A.F.F	ABOVE FINISHED FLOOR	-	-
AUX	AUXILIARY	-	-
AV	AUDIO/VIDEO	-	-
С	CONTROL	-	-
CAB	CABLE	-	-
CATV	CABLE TELEVISION	-	-
D	DATA	-	-
IR	INFRARED	-	-
L	LINE LEVEL	-	-
LED	LIGHT-EMITTING DIODE	-	-
M	MICROPHONE	-	-
MM	MULTIMODE FIBER OPTIC	-	-
РВ	PATCH BAY	-	-
S	SPEAKER	-	-
SM	SINGLEMODE FIBER OPTIC	-	-
SPK	SPEAKER	-	-
U.N.O.	UNLESS NOTED OTHERWISE	-	-
V	VIDEO	-	_

## GENERAL NOTES:

SIGNAL LEVEL CLASSES MUST NEVER BE INTERMIXED WITHIN A GIVEN CONDUIT.
 CONDUIT MAY ONLY BE IN CLOSE PROXIMITY IF IT CROSSES AT A NINETY DEGREE ANGLE.
 LOW VOLTAGE CONDUIT NEAR CONDUIT WITH HIGH CURRENT CIRCUITS REQUIRES GREATER

4. LIGHTING CONTROL CONDUIT IN LONG PARALLEL RUNS WITH ANY CONDUIT CLASSES LISTED BELOW REQUIRES GREATER SEPARATION THAN LISTED BELOW.

SEPARATION THAN LISTED BELOW.

ALL INSTALLED HEADEND AND FIELD END CONTROL DEVICES ARE TO BE HIDDEN FROM PUBLIC VIEW AS MUCH AS POSSIBLE. WHERE NOT POSSIBLE, THE DEVICE INSTALLATION IS TO

BE FULLY COORDINATED WITH OTHER DEVICES SHARING THE SAME WALL OR CEILING TO ENSURE THE CLEANEST POSSIBLE APPEARANCE.

REFER TO AV DRAWINGS FOR RACK ELEVATIONS AND SHARED NETWORK SWITCH PORT ALLOTMENT.

LIGHTING CONTROL NETWORK TO BE ON ITS OWN VLAN. REFER TO LOW VOLTAGE DRAWINGS FOR MORE INFORMATION.

REFER TO ELECTRICAL DRAWINGS FOR INFORMATION ABOUT HIGH VOLTAGE WIRING, RELAY PANELS, PANEL SCHEDULES, EMERGENCY LIGHTING STRATEGY, AND DAYLIGHT/OCCUPANCY/VACANCY SENSORS.

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CONSULTANT:



HARRAH'S NOLA

AREA E RESTROOMS

Jazz Casino Company LLC

New Orleans, Louisiana 70130

JCJARCHITECTURE

6847 PONDEROSA WAY

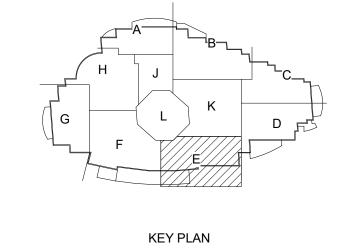
LAS VEGAS, NV 89118

SUITE 100

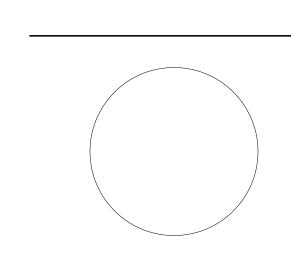
702.577.2650

Project Director: Ryan Worrell

Harrah's Casino 8 Canal Street



120 - PERMIT SET 6/06/2022



ISSUE \_\_06/06/22 JOB \_\_V21009 DRAWN \_\_Author SCALE \_\_12" = 1'-0"

LT LEGEND

_	Lighting Sheet Index - 120				
06/06/2022 - 120 - PERMIT SET					
/90	Sheet Number	Sheet Name			

•	120-LT-000	LT LEGEND
•	120-LT-101	LT SHEET INDEX
•	120-LT-102	LT NOTES
•	120-LT-112E	FLOOR LIGHTING PLAN AREA E
•	120-LT-132E	REFLECTED LIGHTING PLAN AREA E
•	120-LT-600	LIGHT FIXTURE & ZONE SCHEDULE

AREA E RESTROOMS (120)

Jazz Casino Company LLC Harrah's Casino 8 Canal Street New Orleans, Louisiana 70130 Project Director: Ryan Worrell

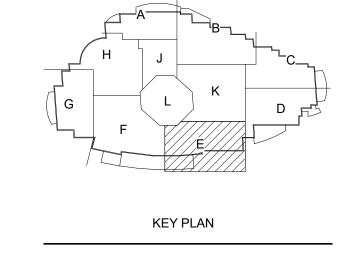
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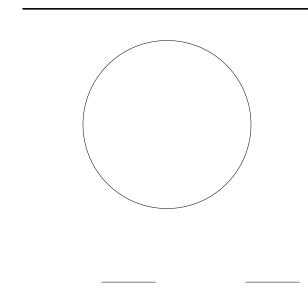
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DRAWN Auth

REVISIONS

LT SHEET INDEX

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ARCHITECTURAL LIGHTING GENERAL NOTES:
1. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, INSTALLATION, CONSTRUCTION, TOOLS, TRANSPORTATION, INSURANCE ETC, FOR A COMPLETE AND FULLY OPERATING
 2. PROVIDE BID SUBMITTAL AFTER VERIFYING EXISTING SITE CONDITIONS, SERVICE REQUIREMENTS (ELECTRICAL) AND EXACT LOCATIONS OF SERVICE FACILITIES.
 3. CONTRACTOR SHALL PERFORM ALL WORK IN STRICT ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES. WORK NOT IN CONFORMANCE WITH APPLICABLE CODES SHALL BE BROUGHT
   INTO COMPLIANCE AT NO ADDITIONAL COST TO THE OWNER.
 4. CONTRACTOR SHALL GUARANTEE ALL MATERIALS, EQUIPMENT AND WORKMANSHIP RELATED TO THE ELECTRICAL INSTALLATION FOR A MINIMUM PERIOD OF ONE YEAR FROM THE DATE WHEN THE
  OWNER ACCEPTS THE FINISHED PROJECT. ANY DEFECTS IN MATERIALS, EQUIPMENT OR WORKMANSHIP DURING THIS PERIOD SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST
   TO THE OWNER OR TENANT.
 4. ALL MATERIALS SHALL BE OF THE SAME MANUFACTURER FOR EACH CLASS OR GROUP OF EQUIPMENT. MATERIALS SHALL BE LISTED AND APPROVED BY UNDERWRITER'S LABORATORIES (U.L.) OR BY
   SIMILARLY ACCEPTED INDUSTRY STANDARDS. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 5. MATERIALS SHALL BE NEW AND FREE FROM DEFECTS THAT IN ANY MANNER MAY IMPAIR THEIR CHARACTER, APPEARANCE, STRENGTH, DURABILITY AND FUNCTION. MATERIALS SHALL BE
  EFFECTIVELY PROTECTED FROM ANY DAMAGE FROM THE TIME OF FABRICATION UNTIL FINAL ACCEPTANCE OF THE WORK.
 6. FIXTURES SHALL CARRY LABELS OF A NATIONALLY-RECOGNIZED TESTING LABORATORY, SUCH AS U.L., C.S.A. OR E.T.L.
 7. FIXTURES SHALL CARRY LABELS IDENTIFYING THE MANUFACTURER, MODEL NUMBER AND SERIAL NUMBER.
 8. ALL SUCH LABELS SHALL BE PERMANENTLY ATTACHED IN A CONSPICUOUS LOCATION THAT DOES NOT AFFECT FIXTURE PERFORMANCE OR AESTHETICS
 ALL EQUIPMENT SHALL BE FACTORY TESTED TO ENSURE PROPER OPERATION PRIOR TO SHIPMENT TO JOB SITE.
      CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL PERMITS, BUILDING INSPECTIONS AND INSPECTION FEES.
      ALL EQUIPMENT SHALL BE WRAPPED, SEALED, AND SUBSTANTIALLY CRATED FOR SHIPMENT. CRATES SHALL CLEARLY INDICATE EQUIPMENT CONTAINED. DELIVER AND STORE MATERIALS IN
   MANUFACTURER'S ORIGINAL PACKAGING LABELED TO SHOW PROJECT NAME, PROJECT FIXTURE TYPE, MANUFACTURER NAME, AND MODEL NUMBER. STORE MATERIALS IN PROTECTED, DRY,
   ELEVATED LOCATION AND IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 12. INSTALL ITEMS IN CONFORMITY WITH STANDARD TRADE PRACTICES AND MANUFACTURER'S RECOMMENDATIONS. POSITION ALL ITEMS ACCURATELY AS INDICATED IN THE DRAWINGS. AND
   TRUE TO PLUMB LINE AND LEVEL. MAINTAIN MAXIMUM HEADROOM AND CLEARANCE AT ALL POINTS.
      CONSULT AND COORDINATE WORK WITH TRADES DOING ADJOINING WORK.
       MOUNTING CONDITIONS MUST ALLOW FOR AIMING AND ADJUSTING OF LIGHT FIXTURES ON SITE PER DRAWINGS.
       MOUNTING SYSTEM COMPONENTS AND ASSOCIATED HARDWARE SHALL BE DESIGNED AND FABRICATED TO SUPPORT ENTIRE WEIGHT OF FIXTURE AND COMPONENTS
       SAFETY CABLES, WHERE APPLICABLE, SHALL BE CONCEALED WITHIN FIXTURE STEMS.
       CHAINS. WHERE APPLICABLE. SHALL BE DESIGNED TO PREVENT SPINNING OF FIXTURE AND MAINTAIN FIXTURE ORIENTATION.
       WHERE NOTED ON THE DRAWINGS, THE EXACT LOCATION OF FIXTURES SHALL BE CONFIRMED IN THE FIELD WITH THE CONSULTATION OF THE LIGHTING DESIGNER AND THE ARCHITECT PRIOR
   TO INSTALLATION.
      CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN TEAM AND LIGHTING DESIGNER OF ANY REQUIRED MODIFICATIONS THAT ARE NOT SHOWN ON THE DRAWINGS.
      CONTRACTOR SHALL NOTIFY THE DESIGN TEAM OF ANY PROVISION OF SPECIFICATION THAT IS IN CONFLICT WITH LOCAL, STATE AND / OR NATIONAL CODES. AN ADDENDUM SHALL BE ISSUED
   TO RECTIFY THE SPECIFICATION.
 42. ELECTRICAL COMPONENTS SHALL CARRY LABELS OF A NATIONALLY-RECOGNIZED TESTING LABORATORY, SUCH AS U.L., C.S.A. OR E.T.L., SHALL BE OF SUBSTANTIAL CONSTRUCTION, AND
   SHALL MEET OR EXCEED INDUSTRY STANDARDS AND TRADE PRACTICES.
      LAMPHOLDERS SHALL BE SUITABLE FOR OUTDOOR APPLICATIONS WHEN PROPERLY ENCLOSED IN A FIXTURE THAT IS U.L. LISTED FOR WET LOCATION.
       LEAD WIRES AND LAMPHOLDERS SHALL HAVE A MINIMUM TEMPERATURE RATING OF 200°C. LEAD WIRES SHALL BE RATED AT OR ABOVE THE LAMPHOLDER RATING.
       ALL CONDUITS SHALL BE CONCEALED FROM DIRECT VIEW AS MUCH AS POSSIBLE. IF VISIBLE IN FRONT OF HOUSE AREAS, COORDINATE WITH DESIGNER PRIOR TO INSTALLATION.
       ALL LIGHT FIXTURES SHALL BE ZONED AND WIRED PER LIGHTING DRAWINGS
      ANY DISCREPANCY BETWEEN ELECTRICAL AND LIGHTING DRAWINGS (EG: LIGHT FIXTURE TYPES, LIGHTING ZONES ETC.) SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE DESIGN
   TEAM PRIOR TO INSTALLATION OF FIXTURES AND SYSTEMS. LIGHTING DRAWINGS TAKE PRECEDENCE OVER ELECTRICAL PLANS FOR LIGHT FIXTURE TAGS, LIGHT LOCATIONS AND LIGHT FIXTURE
     ANY DISCREPANCY BETWEEN ARCHITECTURAL, INTERIOR DESIGN AND LIGHTING DRAWINGS (EG: LIGHT FIXTURE TYPES, LIGHT FIXTURE LOCATION, LIGHTING FIXTURE INSTALLATION DETAIL
  ETC.) SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE DESIGN TEAM PRIOR TO INSTALLATION OF FIXTURES AND SYSTEMS. LIGHTING DRAWINGS TAKE PRECEDENCE OVER
   ARCHITECTURAL, INTERIOR DESIGN PLANS FOR LIGHT FIXTURE TAGS AND LIGHT FIXTURE LOCATION.
      ALL FIXTURES AND ALL ITS COMPONENTS IN THE CEILING MUST BE PLENUM RATED.
      FIXTURE HOUSINGS SHALL BE CONSTRUCTED SO THAT ALL ELECTRICAL COMPONENTS ARE EASILY ACCESSIBLE AND REPLACEABLE WITHOUT REMOVING FIXTURES FROM THE MOUNTINGS OR
   DISASSEMBLING ADJACENT CONSTRUCTION.
       FIXTURES SHALL BE COMPLETELY WIRED AT THE FACTORY.
       FIXTURES SHALL HAVE NO LIGHT LEAKS AROUND LENSES. TRIMS AND / OR FRAMES.
        RECESSED FIXTURES INSTALLED IN INACCESSIBLE CEILINGS SHALL BE U.L. LISTED FOR THROUGH WIRING WITH THE JUNCTION BOX ACCESSIBLE FROM THE FIXTURE OPENING.
        RECESSED FIXTURES SHALL BE EQUIPPED WITH THERMAL PROTECTION DEVICES.
        MECHANICALLY ADJUSTABLE LIGHTING FIXTURES SHALL HAVE RELIABLE HEAVY-DUTY LOCKING DEVICES FOR TILT AND ROTATION.
       LOUVER, HOOD AND LENS DEVICES SHALL BE REMOVABLE, BUT POSITIVELY ENGAGED TO THE FIXTURE SO THAT THEY WILL NOT DROP AWAY DURING FIXTURE MAINTENANCE.
       IF LENSES ARE BROKEN OR DAMAGED IN ANY WAY DURING DELIVERY AND/OR CONSTRUCTION, REPLACEMENT LENSES SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
        ALL FIXTURES / MOUNTING CHANNELS MUST BE MECHANICALLY FASTENED
       VOLTAGE AND EMERGENCY LIGHTING PER ELECTRICAL ENGINEER.
      CONTRACTOR SHALL PROVIDE ALL REQUIRED MOUNTING HARDWARE, COMPONENTS AND ACCESSORIES FOR A FULLY FUNCTIONAL LIGHT SYSTEM.
      CONTRACTOR SHALL ENSURE COMPATIBILITY BETWEEN LIGHT FIXTURE AND MOUNTING SURFACE PRIOR TO PROCUREMENT.
       CONTRACTOR SHALL CONFIRM QUANTITIES OF ALL FIXTURES PER LIGHTING DRAWINGS.
       CONTRACTOR SHALL VERIFY LENGTHS OF ALL LINEAR FIXTURES PER SITE CONDITIONS PRIOR TO PROCUREMENT.
       UTILIZE LED FIXTURES WITH FIELD REPLACABLE LED MODULES.
       LED FIXTURES / LAMPS SHOULD HAVE CORRELATED COLOR TEMPERATURE (CCT) AS SPECIFIED IN THE LIGHTING FIXTURE SCHEDULE
      COLOR CONSISTENCY OF EACH SPECIFIED FIXTURE / LAMP TYPE SHALL BE WITHIN 2 MACADAM ELLIPSES OR BETTER. CENTERED ON THE BLACK BODY CURVE. THROUGH L70 AND ENTIRE
   DIMMING RANGE
       COLOR RENDERING INDEX (CRI) OF FIXTURE / LAMP SHALL BE GREATER THAN OR EQUAL TO 80 THROUGH L70, OR AS SPECIFIED IN THE LIGHTING FIXTURE SCHEDULE.
       IF MULTIPLE FIXTURE TYPES HAVE THE SAME LAMP SPECIFIED, ALL LAMPS SHALL BE OF THE SAME MANUFACTURER, UNLESS NOTED OTHERWISE IN THE LIGHTING FIXTURE SCHEDULE.
       FIXTURE AND REMOTE DEVICES, IF ANY, SHALL NOT EXCEED COMPONENT MANUFACTURER'S RECOMMENDED MAXIMUM OPERATING TEMPERATURES.
       CONTRACTOR TO CONFIRM THAT SPECIFIED ORIENTATION OF FIXTURE AND MOUNTING METHODS ARE APPROVED BY THE FIXTURE MANUFACTURER PRIOR TO PROCUREMENT.
       CONTRACTOR TO CONFIRM WITH FIXTURE MANUFACTURER SHALL CONFIRM THAT SPECIFIED ACCESSORIES AND FINISHES DO NOT COMPROMISE THERMAL MANAGEMENT.
       LED FIXTURES SHALL UTILIZE PASSIVE COOLING METHODS. COOLING DEVICES SHALL HAVE A SOUND CLASS RATING OF A.
       DRIVER / POWER SUPPLY MAY BE SEPARATE COMPONENTS OR COMBINED WITHIN A SINGLE ENCLOSURE.
       DRIVER / POWER SUPPLY SHALL MANAGE THE POWER AND CONTROL THE CURRENT FLOW TO LEDS. IT SHOULD HAVE SHORT CIRCUIT AND OVERLOAD PROTECTION.
       DRIVER / POWER SUPPLIES SHOULD MEET OR EXCEED SOUND CLASS RATING OF A.
       LIGHT FIXTURES WITH INTEGRAL DRIVER SHALL BE INSTALLED WITHIN OR ATTACHED TO HOUSING BY FIXTURE MANUFACTURER.
       INTEGRAL DRIVER SHALL BE ACCESSIBLE AND REMOVABLE WITHOUT THE USE OF TOOLS FROM WITHIN THE FIXTURE HOUSING.
       REMOTE DRIVERS / POWER SUPPLIES SHALL BE IN INSTALLED IN A WELL VENTILATED AND ACCESSIBLE LOCATION HIDDEN FROM DIRECT VIEW. COORDINATE LOCATION WITH THE DESIGN
 67.
 68.
      CONTRACTOR SHALL VERIFY THE MAXIMUM ALLOWABLE DISTANCE BETWEEN THE LIGHT FIXTURE AND REMOTE DRIVER.
      CONTRACTOR SIZE THE REMOTE DRIVER PER PROJECT REQUIREMENTS.
       REQUESTS FOR FIXTURE AND LAMP SUBSTITUTIONS SHALL BE MADE NO LESS THAN TEN (10) BUSINESS DAYS PRIOR TO BID DUE DATE. NO REQUESTS FOR SUBSTITUTIONS SHALL BE
  CONSIDERED AFTER THIS TIME.
 24. SPECIFIED PRODUCTS ARE KNOWN TO BE AVAILABLE AT THE TIME OF CONSTRUCTION. SHOULD THE CONTRACTOR DISCOVER THAT ANY EQUIPMENT MAY BE UNAVAILABLE, IT IS THE
   CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ARCHITECT NOT LESS THAN TEN BUSINESS DAYS PRIOR TO BID.
      ALL FIXTURE SUBSTITUTIONS M UST BE APPROVED BY LIGHTING DESIGNER PRIOR TO PROCUREMENT.
      FIXTURE ALTERNATES, IF PROVIDED FOR REVIEW, MUST MATCH ALL CRITERIA OF LIGHT FIXTURE SPECIFIED IN THE DRAWINGS. FIXTURE ALTERNATE MANUFACTURER SHOULD HAVE A MINIMUM
  OF TEN YEARS OF EXPERIENCE IN LIGHT FIXTURE DESIGN AND FABRICATION. ELSE, FIXTURE ALTERNATE WILL BE REJECTED.
      CONTRACTOR SHALL PROVIDE ALTERNATE FIXTURE SAMPLE FOR LIGHTING DESIGNER'S REVIEW WHEN PROPOSING THE FIXTURE AS AN ALTERNATE TO A SPECIFIED FIXTURE.
      CONTRACTOR SHALL BE RESPONSIBLE TO CONFIRM THE COMPATIBILITY BETWEEN THE ALTERNATE LIGHT FIXTURE PROPOSED BY THE CONTRACTOR AND THE PROPOSED DIMMING CONTROL
  SYSTEM. LIGHT FIXTURE SENT TO DIMMING CONTROL SYSTEM MANUFACTURER MAY TAKE A MINIMUM OF 6 WEEKS FOR TESTING. THE TEST RESULTS SHOULD BE PROVIDED TO THE LIGHTING
   DESIGNER WHEN THE LIGHT FIXTURE IS SUBMITTED FOR REVIEW AS AN ALTERNATE.
      ANY COST IMPACT OR LEAD TIME ISSUES DUE TO VE FIXTURE REJECTIONS NEED TO BE BROUGHT TO IMMEDIATE ATTENTION OF THE DESIGN TEAM PRIOR TO PROCUREMENT OF FIXTURES.
 24. IF A PROPOSED SUBSTITUTE FAILS TO COMPLY WITH THE SPECIFICATION REQUIREMENTS, THE CONTRACTOR SHALL FURNISH THE ACCEPTABLE FIXTURE AT NO ADDITIONAL COST TO THE
  OWNER AND WITH NO DELAY TO THE PROJECT.
 25. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL FIXTURE LEAD TIMES AND TO NOTIFY THE ARCHITECT WITHIN 2 WEEKS OF CONTRACT AWARD IF ANY LEAD TIME WILL NOT ALLOW TO MEET THE
   SCHEDULE FOR PROJECT COMPLETION.
     CONTRACTOR SHALL PROVIDE SUBMITTALS FOR THE REVIEW AND APPROVAL OF THE DESIGN TEAM FOR ALL LIGHT FIXTURES AND ALL RELATED COMPONENTS / DEVICES LIKE DRIVERS,
  LAMPS, CONTROL STATIONS, DIMMERS ETC PRIOR TO FABRICATION.
26. SUBMITTALS AND SHOP DRAWINGS PREPARED SOLELY BY A DISTRIBUTOR OR CONTRACTOR ARE UNACCEPTABLE. THESE MUST BE AS PROVIDED BY THE MANUFACTURER OR
   MANUFACTURER'S LOCAL REPRESENTATIVE.
 27. SHOP DRAWINGS MUST INCLUDE A MINIMUM OF DIMENSIONS, COMPONENTS, WEIGHT, FINISHES OF ALL EQUIPMENT AND ACCESSORIES, MOUNTING DETAILS, SCALED DRAWINGS, VOLTAGE,
   WATTAGE, LAMP TYPE, BEAM SPREAD, COLOR TEMPERATURE, CRI, LIFE ETC.
      CONTRACTOR SHALL PROVIDE A MINIMUM OF FIVE DAYS FOR EACH SUBMITTAL / SHOP DRAWING REVIEW DEPENDING ON THE SIZE OF THE DOCUMENT.
       CONTRACTOR SHALL ARRANGE ALL TEMPORARY ELECTRICAL SERVICE, TOOLS, EQUIPMENT (EG: LIFTS, LADDERS), LABOR ETC. DURING MOCKUPS.
      CONTRACTOR SHALL PROVIDE TEMPORARY WORK LIGHTS DURING CONSTRUCTION AND NOT USE SPECIFIED FIXTURES FOR SITE WORK.
      PROTECT LIGHTING EQUIPMENT FROM PAINT, DIRT, AND DEBRIS DURING CONSTRUCTION. UPON COMPLETION OF THE WORK, FIXTURES SHALL BE CLEANED AND BE FREE OF FINGERPRINTS,
   DUST, OR ANY DEBRIS.
      CONTRACTOR TO HAVE ENOUGH SPARE LIGHT FIXTURES AND COMPONENTS DURING INSTALLATION TO ACCOUNT FOR FIXTURE AND / OR COMPONENT FAILURES DURING INSTALL
      CONTRACTOR TO COORDINATE WITH THE DESIGN TEAM REGARDING QUANTITY OF SPARE FIXTURES TO BE PROVIDED TO OWNER UPON JOB COMPLETION. QUANTITIES SHALL BE EQUAL TO
   NOT LESS THAN 10% OF THE FIXTURE QUANTITY OF EACH TYPE, BUT IN NO CASE LESS THAN TWO LAMPS / FIXTURE MODULE PER FIXTURE TYPE. DELIVER TO OWNER IN CLEARLY LABELED
   CARTONS.
 34. CONTRACTOR TO PROVIDE AND INSTALL ALL LIGHT FIXTURE ACCESSORIES AS SPECIFIED. CONFIRM COMPATIBILITY OF ACCESSORIES AND FIXTURES PRIOR TO PROCUREMENT (EG: LENSES,
   LOUVER, ACCESSORY HOLDER ETC.)
      CONTRACTOR SHALL POINT ALL ADJUSTABLE LIGHT FIXTURES STRAIGHT DOWN DURING INITIAL INSTALLATION.
      NOTIFY THE ARCHITECT AND LIGHTING CONSULTANT AT LEAST FIVE BUSINESS DAYS IN ADVANCE OF THE PROJECT COMPLETION DATE IN ORDER TO SCHEDULE THE FIXTURE FOCUSING
   SESSIONS.
      CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FOCUS AND AIMING OF ALL LIGHT FIXTURES AS DIRECTED BY THE LIGHTING DESIGNER.
      CONTRACTOR SHALL PROVIDE MEANS OF ACCESSING ALL LIGHTING FIXTURES SUCH AS LADDERS, LIFTS AND SCAFFOLDING. SUCH MEANS OF ACCESS SHALL NOT OBSTRUCT THE LINE OF
   SIGHT BETWEEN ANY FIXTURE AND ITS INTENDED AIMING POINT.
      CONTRACTOR TO SUPPLY ATLEAST TWO ELECTRICIANS WITH MINIMUM JOURNEYMAN EXPERIENCE FOR FINAL FOCUS AND AIMING OF LIGHTING FIXTURES. PROVIDE TWO MEANS OF ACCESS
   FOR EACH FIXTURE MOUNTING HEIGHT IN ORDER TO HAVE TWO FOCUSING TEAMS WORKING AT THE SAME TIME.
 40. CONTRACTOR SHALL REIMBURSE THE LIGHTING CONSULTANT AT THE CONSULTANT'S CURRENT HOURLY RATES FOR ALL TIME AND EXPENSES INCURRED FOR ANY ADDITIONAL FOCUSING
   SESSIONS THAT ARE REQUIRED DUE TO INSUFFICIENT CREW, LACK OF ACCESS TO LIGHT FIXTURES, MALFUNCTIONING FIXTURES / LAMPS, FIXTURES MOVED OUT OF ADJUSTMENT / POSITION AFTER
   THEY HAVE BEEN FOCUSED, MISSING ARTWORK, MISSING FURNISHINGS ETC. THAT ARE TO BE ILLUMINATED.
41. UPON COMPLETION OF INSTALLATION WORK, THE CONTRACTOR SHALL CERTIFY IN WRITING THAT THE WORK IS COMPLETE AND READY FOR FINAL REVIEW. THE FINAL REVIEW SHALL BE
  CONDUCTED BY THE OWNER, ARCHITECT, AND LIGHTING CONSULTANT WITHIN FOURTEEN DAYS OF THE CONTRACTOR'S NOTICE OF COMPLETION.
      PROVIDE THE OWNER WITH ONE SET OF AS-BUILT REPRODUCIBLE DRAWINGS AT THE COMPLETION OF THE JOB WITH ALL RELEVANT INFORMATION IN THE PROJECT.
      ALL BROCHURES, OPERATING MANUALS, CATALOGS, SHOP DRAWINGS ETC. SHALL BE TURNED TO THE OWNER UPON COMPLETION OF THE JOB.
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LIGHTING NOTES: 1. FIXTURE SUBSTITUTIONS MUST BE APPROVED BY LIGHTING DESIGNER PRIOR TO PROCUREMENT AND INSTALLATION. 2. ELECTRICAL ENGINEER IS RESPONSIBLE FOR ALL EMERGENCY FIXTURES AND CIRCUITING. 3. FIXTURE VOLTAGE PER ELECTRICAL ENGINEER. 4. REFER TO FIXTURE SPECIFICATIONS FOR ALL FIXTURE FINISH INFORMATION. 5. ALL FIXTURE TRIMS SHALL BE PAINTED TO MATCH CEILING. 7. FIXTURE TYPE LL4 SHALL BE INSTALLED UNDER BAR SCUPPER FOR TASK LIGHTING. ELECTRICAL CONTRACTOR SHALL COORDINATE LENGTH AND LOCATION OF FIXTURES WITH LIGHTING DESIGNER AND KITCHEN CONSULTANT PRIOR TO INSTALLATION. 8. CONTRACTOR SHALL INSTALL LIGHT FIXTURE MANUFACTURER RECOMMENDED REMOTE POWER SUPPLIES / DRIVERS FOR FIXTURES IN A WELL VENTILATED AND ACCESSIBLE LOCATION THAT IS HIDDEN FROM DIRECT VIEW. COORDINATE FINAL LOCATIONS WITH DESIGN TEAM. 9. ALL LINEAR FIXTURES SHALL BE HIDDEN FROM VIEW UNLESS SPECIFIED FOR DIRECT VIEW. 10. TOP OF ALL LINEAR COVE LIGHTING FIXTURES WITHIN A COVE SHALL ALIGN WITH TOP OF LIP AT COVE. ELECTRICAL CONTRACTOR TO PROVIDE CONTINUOUS BLOCKING AS NEEDED. 11. ALL LINEAR COVE LIGHTING FIXTURES WITHIN A COVE SHALL TERMINATE 3-INCHES FROM ENDS OF COVE UNLESS OTHERWISE NOTED. 12. REFER TO PLANS, ELEVATIONS AND SECTION DRAWINGS TO VIEW DETAILED LIGHTING INFORMATION FOR CONTINUOUS LINEAR LIGHTING. 13. REFER TO ID DRAWINGS FOR LOCATION AND SPECIFICATION OF LFH DECORATIVE FIXTURES. 14. ELECTRICAL CONTRACTOR SHALL COORDINATE LENGTHS OF LINEAR FIXTURES PER SITE CONDITIONS PRIOR TO PROCUREMENT. 15. CONTRACTOR TO MAKE SURE THAT ALL LIGHT FIXTURE DETAILS SHOWN CAN BE ACCOMODATED WITH SPECIFIED LIGHT FIXTURE AND ALL ASSOCIATED MOUNTING HARDWARE. IF THERE IS ANY

DISCREPANCY. NOTIFY THE DESIGN TEAM

ASAP. REFER TO LIGHT FIXTURE

SPECIFICATIONS AND DIMENSIONS

SHOULD BE HIDDEN FROM GUEST VIEW

COORDINATE LOCATION WITH INTERIOR

DESIGNER AND LIGHTING DESIGNER

ALL LOCAL DIMMERS, IF ANY,

SCHEDULE AND LIGHT FIXTURE

CUTSHEETS FOR FIXTURE

KEY PLAN

HARRAH'S NOLA

AREA E RESTROOMS

Jazz Casino Company LLC

New Orleans, Louisiana 70130

**JCJ**ARCHITECTURE

3471 W Oquendo Rd, Ste 201; Las Vegas, NV 89118

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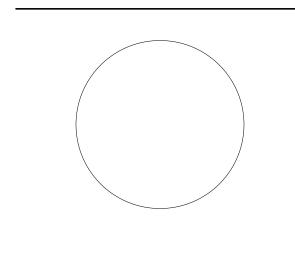
CONSULTANT:

Project Director: Ryan Worrell

Harrah's Casino

8 Canal Street

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ISSUE 06/06/22

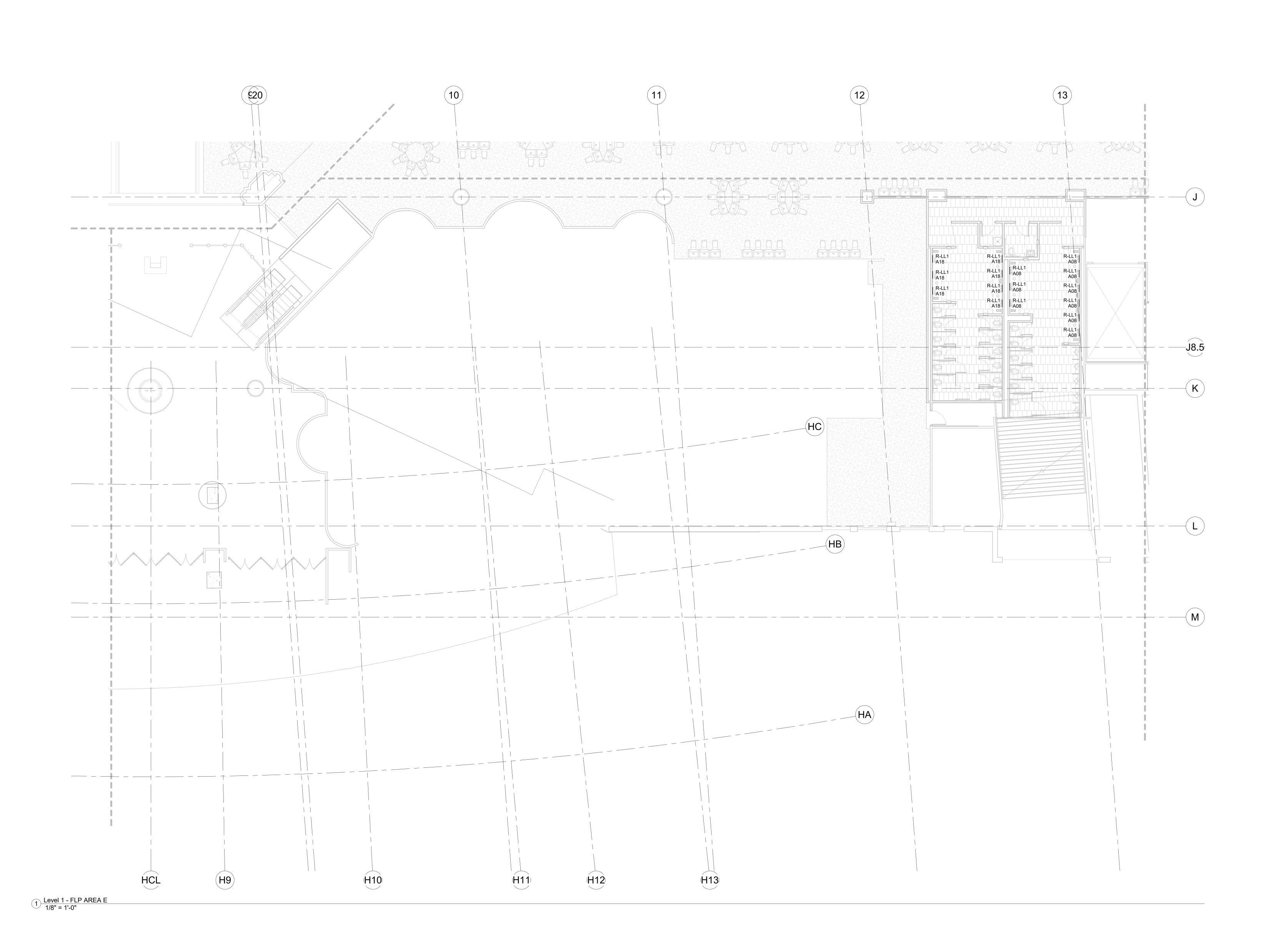
JOB V21009

DRAWN Author

SCALE 12" = 1'-0"

REVISIONS

LT NOTES



AREA E RESTROOMS (120)

Jazz Casino Company LLC Harrah's Casino 8 Canal Street New Orleans, Louisiana 70130 Project Director: Ryan Worrell

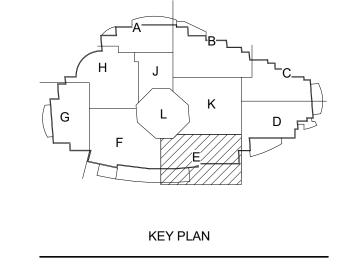
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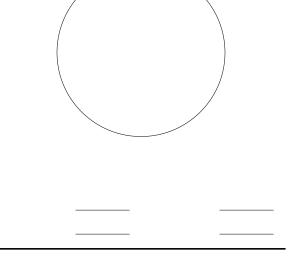
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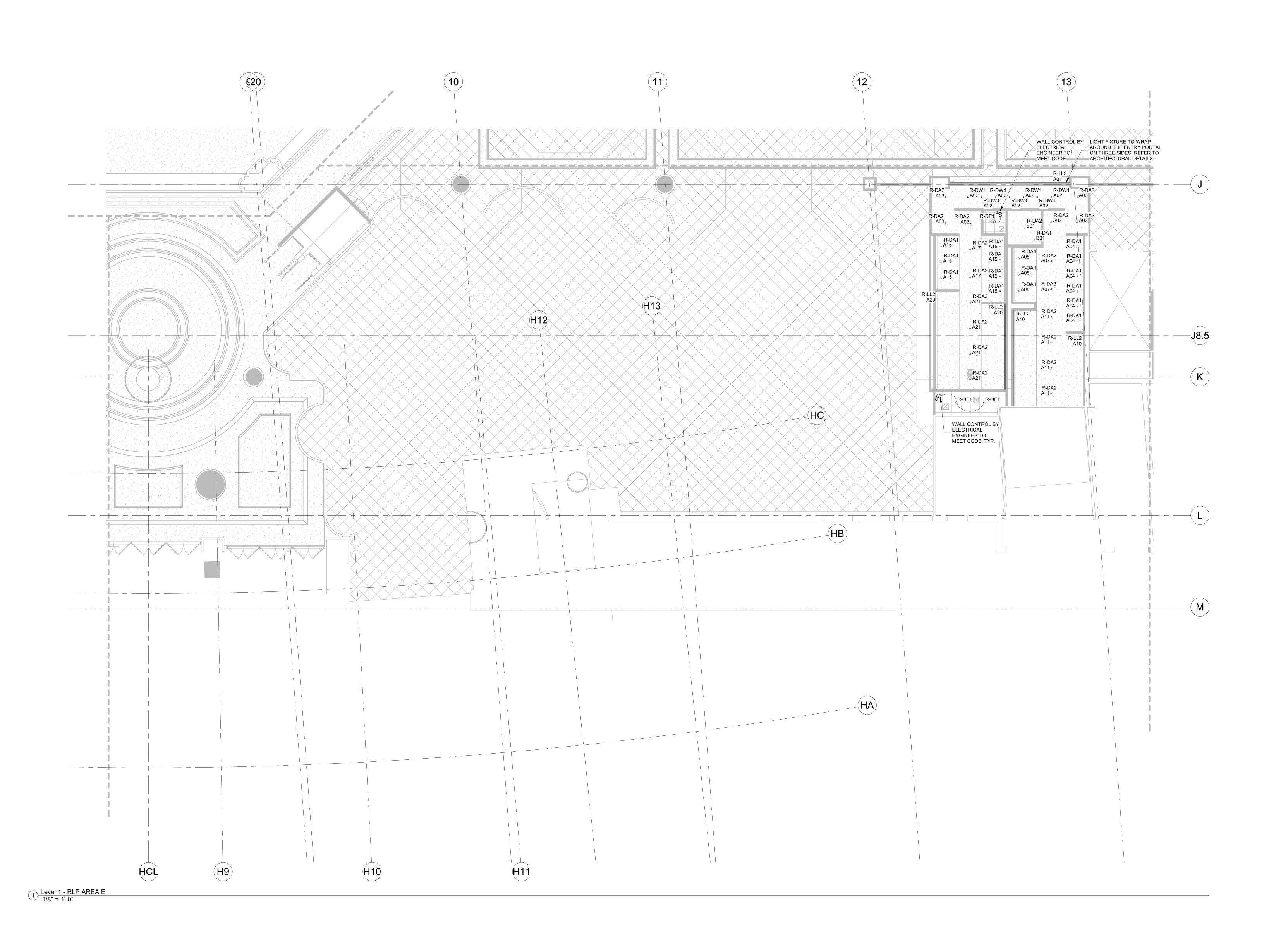
JOB V21009

DRAWN Author

SCALE 1/8" = 1'-0"

FLOOR LIGHTING PLAN AREA

120-LT-112E



AREA E RESTROOMS (120)

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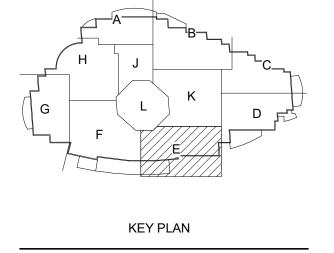
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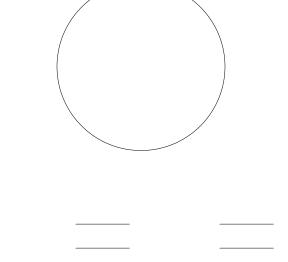
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DRAWN Author

SCALE 1/8" = 1'-0"

REFLECTED LIGHTING PLAN AREA E

120-LT-132E

## **GENERAL NOTES:**

\*LF = LINEAR FOOT

1. ALL FIXTURES MUST BE ETL / CSA / UL LISTED.

2. ALL FIXTURES IN THE CEILING MUST BE PLENUM RATED.

3, VOLTAGE AND EMERGENCY LIGHTING PER ELECTRICAL ENGINEER.

4. CONTRACTOR MUST PROVIDE ALL REQUIRED MOUNTING HARDWARE, COMPONENTS AND ACCESSORIES FOR A FULLY FUNCTIONAL LIGHT SYSTEM.

5. CONTRACTOR TO ENSURE COMPATIBILITY BETWEEN LIGHT FIXTURE AND MOUNTING SURFACE PRIOR TO PROCUREMENT.

6. CONTRACTOR TO CONFIRM QUANTITIES OF ALL FIXTURES PER LIGHTING DRAWINGS.

7. CONTRACTOR TO VERIFY LENGTHS OF ALL LINEAR FIXTURES PER SITE CONDITIONS PRIOR TO PROCUREMENT.

8. ALL REMOTE DRIVERS / POWER SUPPLIES SHALL BE IN INSTALLED IN A WELL VENTILATED AND ACCESSIBLE LOCATION HIDDEN FROM DIRECT VIEW. COORDINATE LOCATION WITH THE DESIGN TEAM. 9. ALL FIXTURE SUBSTITUTIONS MUST BE APPROVED BY LIGHTING DESIGNER PRIOR TO PROCUREMENT.

10. FIXTURE ALTERNATES, IF PROVIDED FOR REVIEW, MUST MATCH ALL CRITERIA OF LIGHT FIXTURE SPECIFIED BELOW. ELSE, FIXTURE ALTERNATE WILL BE REJECTED.

11. PROVIDE LINE ITEM PRICING FOR SPECIFIED FIXTURE AND V.E. ALTERNATES FOR COMPARISON. 12. ANY COST IMPACT OR LEAD TIME ISSUES DUE TO VE FIXTURE REJECTIONS NEED TO BE BROUGHT TO IMMEDIATE ATTENTION OF THE DESIGN TEAM PRIOR TO PROCUREMENT OF FIXTURES.

13. CONTRACTOR SHALL BE RESPONSIBLE TO CONFIRM THE COMPATIBILITY BETWEEN THE ALTERNATE LIGHT FIXTURE IS SUBMITTED AS AN

14. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY AND CONFIRM THAT THE V.E. ALTERNATES PROVIDED MEET OR EXCEED REQUIRED LIGHT LEVELS. LIGHTING DESIGNER WILL VERIFY AND CONFIRM LIGHT LEVELS FOR SPECIFIED FIXTURES ONLY.

15. CONTROATOR SHALL PURCHASE THE LATEST GENERATION OF LAMPS/FIXTURES DURING PROCUREMENT. IF THE SPECIFIED LAMP/FIXTURE FOR REVIEW.

		· · · · · · · · · · · · · · · · · · ·	<u> </u>						
ТҮРЕ	DESCRIPTION	MANUFACTURER	PART NUMBER	WATTAGE	MOUNTING	DIMMING TYPE	CCT (IN K)	FINISH	NOTES
R-DA1	2" DIAMETER ADJUSTABLE LENSED DOWNLIGHT WITH WIDE FLOOD OPTICS AND HEXCELL LOUVER	INTENSE	GD2AR-xx-L1-30-DIM-WF-xx WITH IRRT200-xx-SF, GD2MR-PFL2-45	10	RECESSED	PHASE	3000	PER I.D.	PAINT TRIM TO MATCH CEILING.
R-DA2	2" DIAMETER ADJUSTABLE DOWNLIGHT WITH FLOOD OPTICS AND HEXCELL LOUVER	INTENSE	GD2AR-xx-L3-30-DIM-FL-xx WITH IRRT200-xx-SF, GD2MR-PFL2-46	20	RECES5ED	PHASE	3000	PER I.D.	PAINT TRIM TO MATCH CEILING.
R-DF1	4" DIAMETER DOWNLIGHT	INTENSE	LD4-NC-L2-DIM-xx WITH LD4DR-309-W-SF	17	RECESSED	LOCAL / PER E.E.	3000	PER I.D.	PAINT TRIM TO MATCH CEILING.
R-DW1	2" DIAMETER WALLWASH CYLINDER WITH NARROW FLOOD OPTICS	INTENSE	GD2WR-xx-L3-30-DIM-xx WITH IRWT200-xx_SF	20	RECESSED	PHASE	3000	PER I.D.	PAINT TRIM TO MATCH CEILING.
R-LL1	LINEAR ACCENT LIGHT WITH VERTICAL BENDING, 24V	KELVIX	SW3-LENGTH PER DRAWINGS-30-VR-xx-xx-IP67 WITH MOUNTING CLIP5 EVERY 6-INCHES	4.0/L.F.	SURFACE	0-10V	3000	STANDARD	FIXTURE TO RUN CONTINUOUSLY ALONG ENTIRE EDGE OF MIRROR ON ALL SIDES.
R-LL2	LINEAR WALL SLOT WITH 750 LUMENS / FOOT AND DEEP REGRESS	LUMENWERX	V3PERD-HLO-SW-80-750-30-LENGTH PER DRAWINGS-UNV-D1-1-xxx-x-xxx-xxx TES	8.0/L.F.	ŚURFACE	0-10V	3000	STANDARD	FIXTURE TO RUN ALONG ENTIRE LENGTH OF SLOT.
R+LL3	LINEAR WALL SLOT WITH 500 LUMENS / FOOT	KELVIX	UNI-WL-1-500-30K-24V-XX WITH CH-0006-LENGTH PER DRAWINGS-WHR-CP-EC	4.0/L.F.	SURFACE	PHASE	3000	STANDARD	FIXTURE TO TERMINATE 1"-2" EQUALLY FROM EITHER EDGES. TYP.

SPACE	ZONE NUMBER	ZONE DESCRIPTION	FIXTURE TYPE
	A01	ACCENT LIGHT	R-LL3
	A02	WALLWASHER	Ř-DW1
	A03	DOWNLIGHT	R-DA2
	A04	VANITY LIGHT	R-DA1
	A05	VANITY LIGHT	R-DA1
	A06	SPARË	<u>.</u>
	A07	DOWNLIGHT	R-DA2
	A08	MIRROR LIGHT	R-LL1
	A09	SPARE	-
	A10	SLOT LIGHT	R-LL2
DESTROOMS	A11	DOWNLIGHT	R-DA2
RESTROOMS	A12	SPARE	-
	A13	SPARE	-
	A14	SPARE	
	A15	VANITY LIGHT	R-DA1
	A16	SPARE	-
	A17	DOWNLIGHT	R-DA2
	A18	MIRROR LIGHT	R-LL1
	A19	SPARE	
	A20	SLOT LIGHT	R-LL2
	A21	DOWNLIGHT	R-DA2
	A24	SPARE	<b>-</b>
FARAUV DECTROOS	B01	DOWNLIGHT	R-DA1, R-DA2
FAMILY RESTROOM	B02	SPARE	_

\*LF-XX PER ID. REFER TO INTERIOR DESIGN DRAWINGS FOR SPECIFICATIONS, LOCATIONS AND FIXTURE/LAMP QUANTITIES.

# HARRAH'S NOLA

AREA E RESTROOMS

Jazz Casino Company LLC Harrah's Casino 8 Canal Street New Orleans, Louisiana 70130 Project Director: Ryan Worrell

JCJARCHITECTURE

6847 PONDEROSA WAY

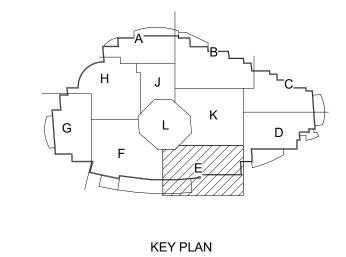
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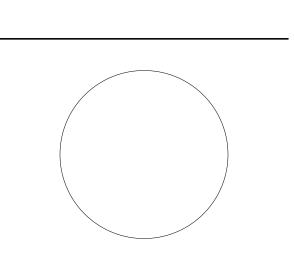
SUITE 100

CONSULTANT:





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DRAWN Author SCALE 6" = 1'-0"

**LIGHT FIXTURE & ZONE SCHEDULE** 

# HARRAH'S NOLA CIP AREA E RESTROOMS

MANUFACTURER

BELDEN OR EQUIV.

LUTRON OR EQUIV.

LUTRON OR EQUIV.

LUTRON OR EQUIV.

BELDEN OR EQUIV.

BELDEN OR EQUIV.

CRESTRON

MODEL#

10GX63F

B9W042

**CRESNET-NP** 

GRX-PCBL-46L

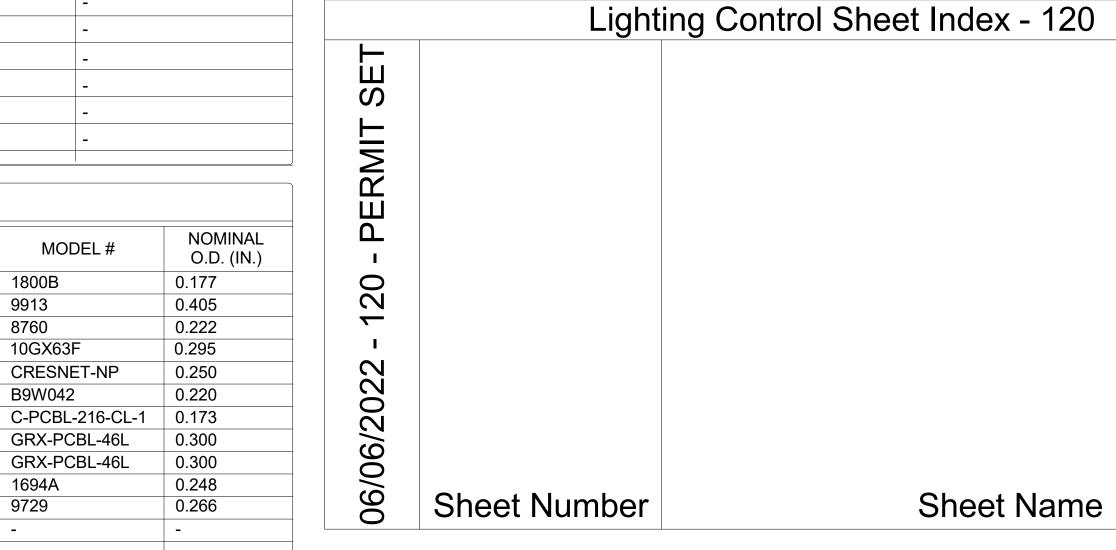
GRX-PCBL-46L

AC RECEPTACLE LEGEND				
SYMBOL D	ESCRIPTION			
⇒ IG	ISO GROUND DUPLEX WALL MOUNTED			
	QUADPLEX WALL MOUNTED			
→ IG	ISO GROUND 208V L6-20R WALL MOUNTED			
<b>⊢</b> XXXAMP	xxx AMP TPN PIN & SLEEVE			
IG	ISO GROUND DUPLEX FLOOR OR CEILING			
IG	ISO GROUND 208V L6-20R FLOOR OR CEILING			
IG	ISO GROUND 120V L5-20R FLOOR OR CEILING			
	3-PHASE L21-20R FLOOR OR CEILING			
	208V L6-20R FLOOR OR CEILING			
	120/208V COMPANY SWITCH AS SHOWN			

	LIGHTING CONTROL SYMBOL LEGEND					
SYMBOL	DESCRIPTION	MANUFACTURER	PART NUMBER	BACK BOX	COVER/LIFT	MOUNTING HEIGHTS
HLP <sub>1</sub>	LIGHTING PROGRAMMING PORT	ETC	ECPB NET	RACO 690 or equiv.	-	PER EE
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
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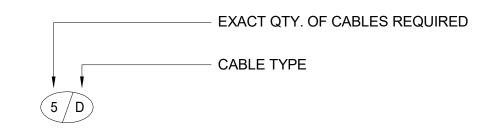
CABLE SCHEDULE

	GENERAL NOTE:
1.	SIGNAL LEVEL CLASSES MUST NEVER BE INTERMIXED WITHIN A GIVEN CONDUIT.
2.	CONDUIT MAY ONLY BE IN CLOSE PROXIMITY IF IT CROSSES AT A NINETY DEGREE ANGLE.
3.	EMERGENCY LIGHTING PER ELECTRICAL ENGINEER.
4.	OCCUPANCY/VACANCY/DAYLIGHT SENSORS PER ELECTRICAL ENGINEER.
5.	ALL DMX WIRE RUNS REQUIRE 120-OHM TERMINATING RESISTORS AT THE FIELD END.
<b>3</b> .	DEVICE PLACEMENT IS GENERAL. MUST BE COORDINATED WITH E.E., E.C., ARCHITECT, AND FIELD CONDITIONS.
7.	E.C. TO CONFIRM LOAD PER DEVICE DOES NOT EXCEED RATING.



•	120-LTC-000	LTC LEGEND
•	120-LTC-101	LTC NOTES
•	120-LTC-600	DIMMER SCHEDULE
•	120-LTC-800	LTC SINGLE LINES

## **CONDUIT LABEL KEY**



CABLE

**TYPE** 

Q QS LINK

X DMX CABLE

- | -

DESCRIPTION

C 1 PAIR, 18 AWG SHIELDED AUDIO CABLE FOR INTERCOM

22 AWG (x2) STRANDED COPPER & 18 AWG (x2) STRANDED COPPER - CRESNET CABLE

24 AWG SHIELDED DIGITAL AUDIO CABLE

LUTRON ECO SYSTEM - PLENUM RATED

LUTRON PANEL LINK - PLENUM RATED

CAT6A SHIELDED - PLENUM RATED

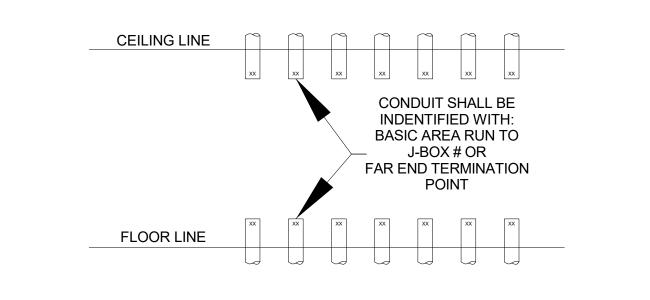
12 STRAND SINGLE MODE FIBER

RG-8/U 50 OHM COAX

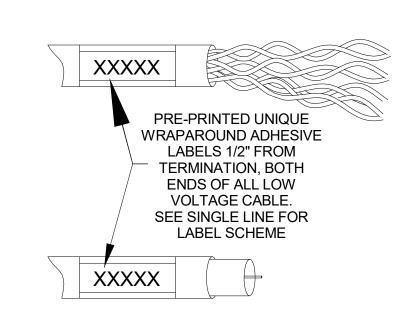
RG6 HD 3GHZ CABLE

NOTE: WHERE CONDUIT SIZES ARE SHOWN IN THIS DRAWING SET, THEY ARE FOR REFERENCE ONLY. CONDUIT CONTRACTOR IS RESPONSIBLE FOR PROPER CONDUIT

## TYPICAL CONDUIT END LABELING

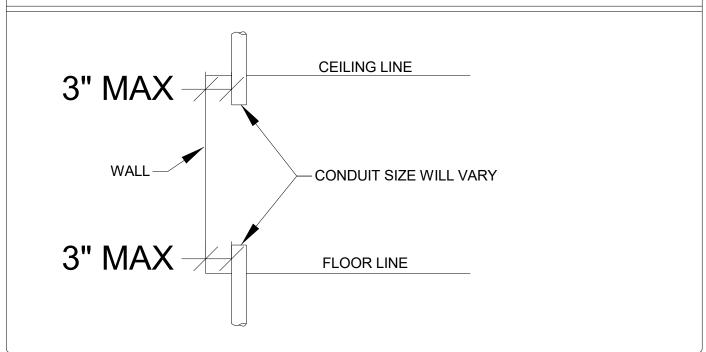


## TYPICAL CABLE LABELING

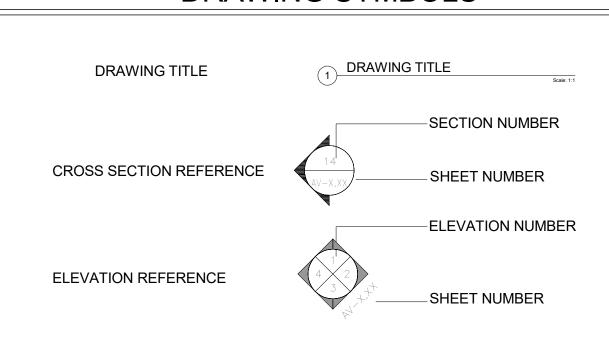


		COMMON ABBR(S):		JOB ABBR(S):
А		AUDIO	UEV	ECHO CABLE
A.F.	F.F	ABOVE FINISHED FLOOR	-	-
A.F.	F.G	ABOVE FINISHED GROUND	-	-
AUX	JX	AUXILIARY	-	-
AV	1	AUDIO/VIDEO	-	-
С		CONTROL	-	-
CAE	ΛB	CABLE	-	-
CAT	TV	CABLE TELEVISION	-	-
D		DATA	-	-
IR		INFRARED	-	-
L		LINE LEVEL	-	-
LEC	D	LIGHT-EMITTING DIODE	-	-
М		MICROPHONE	-	-
MM	Л	MULTIMODE FIBER OPTIC	-	-
РВ	3	PATCH BAY	-	-
S		SPEAKER	-	-
SM	1	SINGLEMODE FIBER OPTIC	-	-
SPŁ	PΚ	SPEAKER	-	-
U.N	N.O.	UNLESS NOTED OTHERWISE	-	-
V		VIDEO	-	-

## MAX STUB SEPARATION FROM WALL



## DRAWING SYMBOLS



DRAWN Author

SCALE 12" = 1'-0"

LTC LEGEND

120-LTC-000

# HARRAH'S NOLA

AREA E RESTROOMS

Jazz Casino Company LLC Harrah's Casino 8 Canal Street New Orleans, Louisiana 70130 Project Director: Ryan Worrell

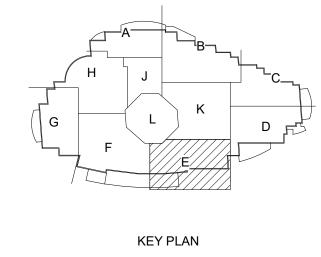
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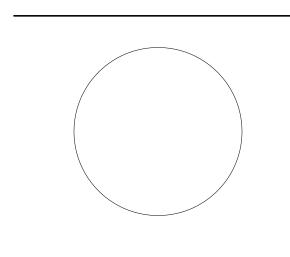
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- LIGHTING CONTROL GENERAL NOTES:
- CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS. EQUIPMENT, INSTALLATION CONSTRUCTION. TOOLS. TRANSPORTATION, INSURANCE ETC. FOR A COMPLETE AND FULLY OPERATING ELECTRICAL / LIGHTING SYSTEM.
- 2. PROVIDE BID SUBMITTAL AFTER VERIFYING EXISTING SITE CONDITIONS, SERVICE REQUIREMENTS (ELECTRICAL) AND EXACT LOCATIONS OF SERVICE FACILITIES.
- . CONTRACTOR SHALL PERFORM ALL WORK IN STRICT ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES, WORK NOT IN CONFORMANCE WITH APPLICABLE CODES SHALL BE BROUGHT INTO COMPLIANCE AT NO ADDITIONAL COST TO THE OWNER.
- 4. CONTRACTOR SHALL GUARANTEE ALL MATERIALS, EQUIPMENT AND WORKMANSHIP RELATED TO THE ELECTRICAL INSTALLATION FOR A MINIMUM PERIOD OF ONE YEAR FROM THE DATE WHEN THE OWNER ACCEPTS THE FINISHED PROJECT. ANY DEFECTS IN MATERIALS. EQUIPMENT WORKMANSHIP DURING THIS PERIOD SHALL BE CORRECTED BŸ THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER OR TENANT.
- 4. ALL MATERIALS SHALL BE OF THE SAME MANUFACTURER FOR EACH CLASS OR GROUP OF EQUIPMENT, MATERIALS SHALL BE LISTED AND APPROVED BY UNDERWRITER'S LABORATORIES (U.L.) OR BY SIMILARLY ACCEPTED INDUSTRY STANDARDS. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS AND INSTALLED MANUFACTURER'S RECOMMENDATIONS.
- . MATERIALS SHALL BE NEW AND FREE FROM DEFECTS THAT IN ANY MANNER MAY IMPAIR THEIR CHARACTER APPEARANCE, STRENGTH, DURABILITY AND FUNCTION. MATERIALS SHALL BE EFFECTIVELY PROTECTED FROM ANY DAMAGE FROM THE TIME OF FABRICATION UNTIL FINAL ACCEPTANCE OF THE WORK
- 5. FIXTURES SHALL CARRY LABELS OF A NATIONALLY-RECOGNIZED LABORATORY, SUCH AS U.L., C.S.A. OR
- . FIXTURES SHALL CARRY LABELS IDENTIFYING THE MANUFACTURER, MODEL NUMBER AND SERIAL NUMBER.
- 8. ALL SUCH LABELS SHALL BE PERMANENTLY ATTACHED IN A CONSPICUOUS LOCATION THAT DOES NOT :AFFECT FIXTURE PERFORMANCE OR AESTHETICS
- ALL EQUIPMENT SHALL BE FACTORY TESTED TO ENSURE PROPER OPERATION PRIOR TO SHIPMENT TO JOB SITE.
- 10 CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL PERMITS, BUILDING INSPECTIONS AND INSPECTION FEES.
- 11. ALL EQUIPMENT SHALL BE WRAPPED, SEALED, AND SUBSTANTIALLY CRATED FOR SHIPMENT. CRATES SHALL CLEARLY INDICATE EQUIPMENT CONTAINED. DELIVER AND STORE MATERIALS IN MANUFACTURER'S ORIGINAL PACKAGING LABELED TO SHOW PROJECT NAME, PROJECT FIXTURE TYPE, MANUFACTURER NAME, AND MODEL NUMBER, STORE MATERIALS IN PROTECTED, DRY, ELEVATED LOCATION AND IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- 12. INSTALL ITEMS IN CONFORMITY WITH STANDARD TRADE PRACTICES AND MANUFACTURER'S RECOMMENDATIONS. POSITION ALL ITEMS ACCURATELY AS INDICATED IN THE DRAWINGS, AND TRUE TO PLUMB LINE AND LEVEL. MAINTAIN MAXIMUM HEADROOM AND CLEARANCE AT ALL POINTS.
- 13. CONSULT AND COORDINATE WORK WITH TRADES DOING ADJOINING WORK.
- 14. MOUNTING SYSTEM COMPONENTS AND ASSOCIATED HARDWARE SHALL BE DESIGNED AND FABRICATED TO SUPPORT ENTIRE WEIGHT OF COMPONENTS
- 15. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN TEAM AND LIGHTING CONTROLS DESIGNER OF ANY REQUIRED MODIFICATIONS THAT ARE NOT SHOWN ON THE DRAWINGS.
- 16. CONTRACTOR SHALL NOTIFY THE DESIGN TEAM OF ANY PROVISION OF SPECIFICATION THAT IS IN CONFLICT WITH LOCAL, STATE AND / OR NATIONAL CODES. AN ADDENDUM SHALL BE ISSUED TO RECTIFY THE SPECIFICATION.
- 17. ELECTRICAL COMPONENTS SHALL CARRY LABELS OF A NATIONALLY-RECOGNIZED TESTING LABORATORY, SUCH AS U.L., C.S.A. OR E.T.L., SHALL BE OF SUBSTANTIAL CONSTRUCTION, AND SHALL MEET OR EXCEED INDUSTRY STANDARDS AND TRADE PRACTICES.
- 18. ALL CONDUITS SHALL BE CONCEALED FROM DIRECT VIEW AS MUCH AS POSSIBLE. IF VISIBLE IN FRONT OF HOUSE AREAS. COORDINATE PRIOR TO INSTALLATION.

- 19. ANY DISCREPANCY BETWEEN ELECTRICAL AND LIGHTING CONTROLS DRAWINGS (EG: LIGHT FIXTURE TYPES, LIGHTING ZONES ETC.) SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE DESIGN TEAM PRIOR TO INSTALLATION OF FIXTURES AND SYSTEMS.
- 20 DEVICES SHALL BE CONSTRUCTED SO THAT ALL ELECTRICAL COMPONENTS ARE EASILY ACCESSIBLE AND REPLACEABLE WITHOUT REMOVING FIXTURES FROM THE MOUNTINGS OR DISASSEMBLING ADJACENT CONSTRUCTION.
- 21, VOLTAGE AND EMERGENCY LIGHTING PER ELECTRICAL ENGINEER.
- 22 CONTRACTOR SHALL PROVIDE ALL REQUIRED MOUNTING HARDWARE, COMPONENTS AND ACCESSORIES FOR A FULLY FUNCTIONAL LIGHT SYSTEM.
- 23. CONTRACTOR SHALL CONFIRM QUANTITIES OF ALL DEVICES PER LIGHTING CONTROL DRAWINGS AND DEVICE RATINGS.
- 24. DEVICES SHALL NOT EXCEED COMPONENT MANUFACTURER'S RECOMMENDED MAXIMUM OPERATING TEMPERATURES.
- 25 CONTRACTOR SHALL VERIFY THE MAXIMUM ALLOWABLE DISTANCE BETWEEN THE LIGHT FIXTURE AND REMOTE DRIVER.
- 26 CONTRACTOR SHALL SIZE THE REMOTE
- DRIVER PER PROJECT REQUIREMENTS. 27. ALL DEVICE SUBSTITUTIONS MUST BE APPROVED BY LIGHTING CONTROL
- 28.IF A PROPOSED SUBSTITUTE FAILS TO COMPLY WITH THE SPECIFICATION REQUIREMENTS, THE CONTRACTOR SHALL FURNISH THE ACCEPTABLE FIXTURE AT NO ADDITIONAL COST TO THE OWNER AND WITH NO DELAY TO THE PROJECT.

DESIGNER PRIOR TO PROCUREMENT.

- 29. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DEVICE LEAD TIMES AND TO NOTIFY THE ARCHITECT WITHIN 2 WEEKS OF CONTRACT AWARD IF ANY LEAD TIME WILL NOT ALLOW TO MEET THE SCHEDULE FOR PROJECT COMPLETION.
- 30. CONTRACTOR SHALL PROVIDE SUBMITTALS FOR THE REVIEW AND APPROVAL OF THE DESIGN TEAM FOR ALL LIGHT CONTROL DEVICES AND ALL RELATED COMPONENTS / DEVICES LIKE DRIVERS, LAMPS, CONTROL STATIONS,
- DIMMERS ETC PRIOR TO FABRICATION. 31. SUBMITTALS AND SHOP DRAWINGS PREPARED SOLELY BY A DISTRIBUTOR OR CONTRACTOR ARE UNACCEPTABLE THESE MUST BE AS PROVIDED BY THE MANUFACTURER OR MANUFACTURER'S
- LOCAL REPRESENTATIVE. 32. CONTRACTOR SHALL PROVIDE A MINIMUM OF FIVE DAYS FOR EACH SUBMITTAL / SHOP DRAWING REVIEW DEPENDING ON
- THE SIZE OF THE DOCUMENT. 33. CONTRACTOR SHALL ARRANGE ALL TEMPORARY ELECTRICAL SERVICE, TOOLS, EQUIPMENT (EG: LIFTS, LADDERS),
- LABOR ETC. DURING MOCKUPS. 34. CONTRACTOR SHALL PROVIDE TEMPORARY WORK LIGHTS DURING CONSTRUCTION AND NOT USE SPECIFIED FIXTURES FOR SITE WORK.
- 35. PROTECT LIGHTING EQUIPMENT FROM PAINT, DIRT, AND DEBRIS DURING CONSTRUCTION. UPON COMPLETION OF THE WORK, FIXTURES SHALL BE CLEANED AND BE FREE OF FINGERPRINTS, DUST. OR ANY DEBRIS.
- 36. CONTRACTOR TO HAVE ENOUGH SPARE COMPONENTS DURING INSTALLATION TO ACCOUNT FOR COMPONENT FAILURES DURING INSTALL.
- 37. CONTRACTOR TO COORDINATE WITH THE DESIGN TEAM REGARDING QUANTITY OF SPARE DEVICES TO BE PROVIDED TO OWNER UPON JOB COMPLETION. QUANTITIES SHALL BE EQUAL TO NOT LESS THAN 10% OF THE DEVICE QUANTITY OF EACH TYPE, BUT IN NO CASE LESS THAN TWO PER TYPE. DELIVER TO OWNER IN CLEARLY LABELED CARTONS
- 38. NOTIFY THE ARCHITECT AND LIGHTING CONTROLS CONSULTANT AT LEAST 10 BUSINESS DAYS IN ADVANCE OF THE PROJECT COMPLETION DATE IN ORDER TO SCHEDULE THE LIGHTING CONTROL TESTING/PROGRAMMING SESSIONS.
- 39. CONTRACTOR TO COORDINATE ALL REQUIRED PARTIES FOR SYSTEM TESTING/PROGRAMMING SESSIONS.
- 40.UPON COMPLETION OF INSTALLATION WORK, THE CONTRACTOR SHALL CERTIFY IN WRITING THAT THE WORK IS COMPLETE AND READY FOR FINAL REVIEW. THE FINAL REVIEW SHALL BE CONDUCTED BY THE OWNER, ARCHITECT, AND LIGHTING CONTROLS CONSULTANT WITHIN FOURTEEN DAYS OF THE CONTRACTOR'S NOTICE OF COMPLETION.
- 41.PROVIDE THE OWNER WITH ONE SET OF AS-BUILT REPRODUCIBLE DRAWINGS AT THE COMPLETION OF THE JOB WITH ALL RELEVANT INFORMATION IN THE PROJECT.

- 42. ALL BROCHURES, OPERATING MANUALS, CATALOGS, SHOP DRAWINGS, ETC. SHALL BE TURNED TO THE OWNER UPON COMPLETION OF THE JOB.
- 43. ALL BACKING BOXES, CONDUITS JUNCTION BOXES ARE BY THE ELECTRICAL CONTRACTOR.
- 44.LOW VOLTAGE CABLE SUPPLY AND INSTALLATION BY (TBD).
- 45.LOW VOLTAGE CABLE TERMINATION BY 46. CONDUIT SHALL BE METALLIC AND RUN IN
- THE MOST DIRECT ROUTE PRACTICAL. 47. CONDUIT SECTIONS SHALL BE NO MORE THAN 50 FEET LONG.
- WILL REQUIRE A PULL BOX AT 50' MAXIMUM INTERVALS. 49 CONDUIT RUNS CONTAINING MORE THAN TWO 90 DEGREE BENDS, OR A REVERSE

48 CONDUIT RUNS FOR MORE THAN 50 FEET

- (100 DEGREE) BEND REQUIRE A PULL BOX. 50. ALL OFFSETS SHALL BE RATED AS EQUIVALENT TO A 90 DEGREE BEND. 51. CONDUIT BENDS WILL BE STANDARD TEN
- TIMES THE OUTSIDE DIAMETER OF CONDUIT UNLESS OTHERWISE APPROVED BY THE CONSULTANT.
- 52. ALL CONDUITS MUST HAVE PLASTIC BUSHINGS INSTALLED ON BOTH ENDS. 53. AFTER INSTALLATION ALL CONDUITS
- SHALL BE: A. CLEAN, DRY, AND UNOBSTRUCTED.
- B. HAVE AN ADEQUATELY SIZED PULL CORD INSTALLED.
- C. COVERED FOR PROTECTION. D. LABELED FOR IDENTIFICATION
- 54.ALLOWABLE FILL CAPACITY FOR LOW VOLTAGE CONDUIT SYSTEM SHALL BE IN ACCORDANCE WITH NEC STANDARD PRACTICES, TO A MAXIMUM OF 40% FILL.
- 55.CONDUIT RUNS FOR HORIZONTAL DISTRIBUTION CABLES, UTILIZING THE TRAPEZE HANGER METHOD TO SUPPORT THE CONDUITS, SHALL UTILIZE THREADED RODS OF NOT LESS THAN 3/8" INCH DIAMETER.
- WILL NOT BE PERMITTED UNLESS APPROVED BY THE CONSULTANT. 57.LADDER TYPE CABLE TRAYS, UTILIZING ONLY FLAT OR ROUND RUNGS ARE PERMITTED FOR VERTICAL RISERS

DIAMOND SHAPED RUNGS ARE

56.FLEXIBLE CONDUIT, GREENFIELD TYPE.

- **PROHIBITED** 58.CABLE TRAYS FOR HORIZONTAL DISTRIBUTION CABLES, UTILIZING THE TRAPEZE HANGER METHOD TO SUPPORT THE CABLE TRAYS, SHALL UTILIZE THREADED RODS OF NOT LESS THAN 3/8"
- 59.CABLE TRAYS SHALL BE SIZED FOR A MINIMUM GROWTH OF 50%.
- 60 SECURE ALL WIRE AND CABLES RUN VERTICALLY IN CABLE TRAYS WITH AN APPROPRIATELY SIZED CABLE TIE OR SIMILAR APPROVED DEVICE (THOMAS AND BETTS OR APPROVED EQUAL) EVERY SIX INCHES.
- 61.ALL PULL BOXES SHALL BE PLACED IN A STRAIGHT SECTION OF CONDUIT. DO NOT USE BOXES IN LIEU OF A BEND.
- 62.ALL PULL BOXES SHALL BE ENTIRELY ACCESSIBLE, ANY WATER, VENT. GAS OR STEAM PIPES LIMITING ACCESS TO A PULL BOX WILL BE RE-ROUTED AT NO ADDITIONAL COST TO THE OWNER.
- 63.ALL PULL BOXES SHALL BE COMPLETE WITH COVERS OF SAME GAUGE AS BOXES AND SECURED TO BOXES WITH SCREWS.
- 64.A HINGED ACCESS PANEL SHALL BE PROVIDED IN THE CEILING DIRECTLY BELOW ALL PULL BOXES PLACED ABOVE NON-ACCESSIBLE CEILINGS.
- 65.ALL BACK BOXES SHALL BE PROPERLY AND ADEQUATELY SECURED. THEY ARE NOT TO BE SUPPORTED BY THE CONDUITS ENTERING THE BOX. ALL BOXES SHALL BE IDENTIFIED WITH THEIR ASSOCIATED PANEL NUMBER AS PER DRAWINGS.
- 66.INSTALL PULL BOXES AND SPLICE BOXES IN EASILY ACCESSIBLE LOCATIONS.
- 67.SUPPORT AND ALIGN CABINETS, BOXES RACEWAYS, FIXTURES, ETC., IN AN APPROVED MANNER AND AS SPECIFIED HEREIN.
- 68.SUPPORT RACEWAYS ON APPROVED TYPES OF WALL BRACKETS OR TRAPEZE HANGERS. PLUMBERS PERFORATED STRAPS ARE NOT PERMITTED AS A MEANS
- 69.BRACKETS OR HANGERS SHALL BE MANUFACTURED BY KINDORF, UNISTRUT, B-LINE, OR APPROVED EQUAL.
- 70.CONDUITS AND EQUIPMENT SHALL BE INDEPENDENTLY SUPPORTED, DO NOT SUSPEND FROM WATER, STEAM OR OTHER PIPING OR DUCTWORK.

71.SECURE ALL SUPPORTING METHODS BY THE FOLLOWING MEANS:

A) TOGGLE BOLTS IN HOLLOW MASONRY.

B) EXPANSION BOLTS IN CONCRETE.

SURFACES.

- C) WOOD SCREWS OR BOLTS IN WOOD. D) MACHINE SCREWS OR BOLTS IN METAL
- 72. WHERE BACK BOXES ARE INSTALLED IN STEEL STUD TYPE SYSTEMS, PROVIDE ADDITIONAL CROSS BRACING, AND/OR STRAPS TO MAKE THE OUTLET COMPLETELY RIGID PRIOR TO APPLICATION OF THE WALL FACING MATERIAL.
- 73. CONDUIT AND CABLE TRAY SUPPORT SYSTEMS SHALL BE SECURELY AND ADEQUATELY INSTALLED TO PRECLUDE MOVEMENT OF CONDUIT AND CABLE TRAY DURING CABLE PULLING OPERATIONS.
- 74. ALL CONDUIT AND CABLE TRAY SYSTEMS, SUPPORTS, CABINETS, EQUIPMENT, ETC., SHALL BE PROPERLY GROUNDED IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC AND ALL OTHER APPLICABLE CODES AND REGULATIONS.
- 75. PROVIDE ALL BONDING WIRE AND JUMPERS, GROUNDING BUSHINGS, CLAMPS, ETC., REQUIRED FOR COMPLETE GROUNDING.
- 76. ROUTE GROUND CONDUCTORS TO PROVIDE THE SHORTEST, MOST DIRECT PATH TO THE GROUND ELECTRODE SYSTEM.
- GROUNDING CONDUCTORS. IF SPLICES ARE REQUIRED THEY MUST BE CADWELD. 78. PROVIDE A SEPARATE GROUNDING CONDUCTOR, SECURELY GROUNDED ON EACH SIDE OF ALL CONDUIT AND CABLE TRAYS THAT DO NOT PROVIDE A

CONTINUOUS, METALLIC PATH, SIZE IN

77. AVOID SPLICES IN BONDING OR

- ACCORDANCE WITH THE NEC. 79. LOW VOLTAGE CONTRACTOR SHALL MAINTAIN A LOG OF ALL CONDUIT
- LENGTHS FOR FUTURE CALCULATIONS. 80. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO DETAIL ALL CABLE RUNS AND INDICATE ALL OFFSETS. FITTINGS, AND ACCESSORIES THAT MAY BE REQUIRED. THE ELECTRICAL CONTRACTOR SHALL CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING ALL HIS WORK AND SHALL ARRANGE SUCH WORK ACCORDINGLY, FURNISHING SUCH FITTINGS AND ACCESSORIES AS MAY BE REQUIRED TO MEET SUCH CONDITIONS. THE PLANS ARE GENERALLY DIAGRAMMATIC AND THE LOW VOLTAGE CABLING CONTRACTOR SHALL HARMONIZE THE WORK OF THE DIFFERENT TRADES SO INTERFERENCE BETWEEN CABLING, CONDUIT, PIPING.
- EQUIPMENT, ARCHITECTURAL, AND STRUCTURAL WORK WILL BE AVOIDED. 81. ALL NECESSARY CABLE DATA INCLUDING MAXIMUM PULLING TENSIONS, MINIMUM BENDING RADII, SHALL BE OBTAINED BY THE LOW VOLTAGE CABLING CONTRACTOR FROM THE CABLE MANUFACTURER BEFORE ANY CABLE IS PULLED. EXCEEDING THE RECOMMENDED PULLING TENSIONS OR BENDING RADII WILL NOT BE ALLOWED. THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER WILL REPLACE ANY CABLE PLACED THAT EXCEEDS THESE
- REQUIREMENTS. 82. THE EQUIPMENT USED TO PULL CABLE SHALL HAVE ADEQUATE CAPACITY TO
- ENSURE A STEADY CONTINUOUS PULL. 83. BASKET WEAVE TYPE GRIPS, WEDGE TYPE PULLERS, SWIVEL HARNESSES MAY 8BE USED FOR PULLING CABLES WITHIN MANUFACTURERS RECOMMENDED SAFE
- WORKING LOADS. 84. ONLY CABLE PULLING LUBRICANTS COMPATIBLE WITH CABLE JACKET SHALL BE USED WHEN PULLING CABLE THROUGH CONDUITS.
- 85. PETROLEUM BASE LUBRICANTS SHALL NOT BE USED ON NEOPRENE JACKETED CABLES. GREEN OIL SOAP, OR SOAPSTONE-TYPE LUBRICANTS SHALL NOT BE USED BECAUSE OF TENDENCY TO CAUSE GUMMING AND PACKING IN THE CONDUIT WITH THEM. PULLING LUBRICANTS IN GENERAL SHALL CONSIST OF MATERIALS WITH HIGH DIELECTRIC STRENGTH.
- 86. BEFORE PULLING CABLE THROUGH CONDUIT AND DUCT RUNS, A MANDREL OR PLUG APPROXIMATELY 4" (102MM) HAVING A DIAMETER CLOSELY APPROXIMATELY THE DIAMETER OF THE CONDUIT SHALL BE PULLED THROUGH TO CHECK FOR OBSTRUCTIONS. IF AN OBSTRUCTION IS ENCOUNTERED, A MANDREL FOLLOWED BY A SWAB SHALL BE USED TO CLEAN OUT
- ANY LINT OR FOREIGN MATTER, WHEN PULLING CABLES THROUGH CONDUITS, CABLE TRAYS AND DUCTS THAT ARE SUPPORTED BY RODS AND ANGLE HANGERS, THE CONTRACTOR SHALL BRACE THEM TO WITHSTAND THE TENSIONS USED FOR PULLING CABLE.

- 88. WHEN CABLES ARE INSTALLED IN THEIR PERMANENT LOCATIONS, THEY SHALL NOT BE BENT BEYOND THE RADIAL LIMITATIONS RECOMMENDED BY THE CABLE MANUFACTURER.
- 89. PLACEMENT OF CABLES IN TROUGHS MUST BE CARRIED OUT WITH CARE, ASSURING NO CROSSOVERS OR ROPING. TIE OR CLAMP CABLES WITH AN APPROPRIATELY SIZED CABLE TIE OR SIMILAR APPROVED DEVICE (THOMAS AND BETTS OR APPROVED EQUAL) EVERY SIX INCHES. OBSERVE SIGNAL LEVEL BARRIERS OR SEPARATION. USE PLASTIC EDGE EXTRUSION AT TROUGH DROPOUTS, TROUGH INTERCHANGES OR OTHER SHARP EDGES.
- WIRES AND CABLES SHALL BE INSTALLED WITHOUT JOINTS OR SPLICES EXCEPT AT TERMINAL POINTS.
- 91. ALL SHIELDED CABLE PAIRS ENTERING A TERMINAL BLOCK OR BEING SOLDERED INTO A CONNECTOR SHALL HAVE THEIR OUTER JACKETS TERMINATED WITH HEAT SHRINK SLEEVES WHICH SHALL ALSO SERVE TO ANCHOR THE DRAIN WIRE SLEEVING. DRAIN WIRES ARE TO BE SLEEVED ENTIRELY TO THE OUTER JACKET WITH TEFLON, PVC OR NYLON (OF THE CORRECT GAUGE FOR THE WIRE).
- 92. FOR INDIVIDUALLY SHIELDED PAIRS OF MULTI-CONDUCTOR TYPE CABLE, THE OUTER CABLE JACKET IS TO BE REMOVED BACK TO THE REQUIRED WORKABLE LENGTH. THEN EACH EXPOSED PAIR SHALL BE COVERED ENTIRELY WITH INSULATING SLEEVING. THESE NEW JACKET ENDS ARE THEN TO BE COLLECTIVELY INTEGRATED WITH THE MAIN JACKET WITH A 3 TO 3 1/2" LENGTH OF HEAT SHRINK SLEEVING, FORMING A FIRM NEAT "FAN OUT" OF THE PAIRS FROM THE MAIN CABLE BODY.
- 93. THE WIRING AND SOLDERING OF A COMPLETE TERMINATION SHALL PRESENT A NEAT AND UNIFORM APPEARANCE.
- 94. ALL WIRING SHALL BE NEAT, STURDY AND REASONABLY SHORT. SERVICE LOOPS PROVIDING SUFFICIENT WIRE SLACK TO MAKE AT LEAST FIVE RECONNECTIONS SHALL BE PROVIDED AT EACH ELECTRICAL CONNECTION. IN EQUIPMENT RACKS SUFFICIENT SLACK SHALL BE PROVIDED FOR PROPER REMOVAL AND SERVICING OF EQUIPMENT.
- STANDS ARE PERMISSIBLE FOR HOOK-UP WIRE AFTER CRIMPING AND SOLDERING ONLY, AS FOLLOWS:

95. UNLESS OTHERWISE SPECIFIED, BROKEN

- a) ALLOW 1 BROKEN STRAND FOR UP TO 7 STRAND WIRES.
- ALLOW 2 BROKEN STRAND FOR UP TO 10 STRAND WIRES. ALLOW 3 BROKEN STRAND FOR UP TO 16

STRAND WIRES.

- d) ALLOW 4 BROKEN STRAND FOR UP TO 21 STRAND WIRES.
- ALLOW 5 BROKEN STRAND FOR UP TO 26 STRAND WIRES. 96. THE CONTRACTOR SHALL LEAVE A TAIL OF TWELVE FEET (MINIMUM) FOR EACH CABLE TERMINATION AT THE ENTRY-POINT TO EACH EQUIPMENT RACK

AND 2 FEET (MINIMUM) AT OUTLET BOXES

97. SEAL ALL PENETRATIONS IN WALLS, FLOORS, AND CEILINGS USING PROJECT APPROVED CONDUIT SEALANT, INSTALL IN ACCORDANCE WITH MANUFACTURER'S TESTED METHODS. UNUSED CONDUITS SHALL BE SEALED AS

UNLESS OTHERWISE NOTED.

- SPECIFIED ABOVE.
- 98. PROTECT ALL BACK BOXES FROM DIRT 99. CONDUITS MAY CROSS AT 90 DEGREES +/-30 DEGREES WITHOUT REGARD TO TYPE OF SERVICE OR CONDUIT MATERIAL.
- 100.WHEN UNAVOIDABLE, RESTRICTIONS MAY BE WAIVED WHEN PARALLEL RUN IS LESS THAN SIX FEET.
- 101.UNUSUALLY HEAVY CURRENT DEMANDS (SUCH AS REQUIRED FOR SERVICE LOAD-CENTER, OR TRANSFORMER FEEDERS) MAY REQUIRE GREATER CONDUIT SEPARATION.
- 102.RECEIVE CLARIFICATION FROM ARCHITECT-ENGINEER-CONSULTANT PRIOR TO INSTALLATION IF THERE IS ANY DOUBT AS TO THE WIRE GROUP INTENDED FOR A GIVEN CONDUIT OR AS TO THE EFFECT OF HEAVY CURRENT DEMANDS IN CLOSE PROXIMITY TO SVC CONDUITS.
- 103.USE 3/4" CONDUIT MINIMUM FOR RUNS OVER 10'-10". 104.ALL STANDARD GANG SURFACE MOUNTED

BACK BOX SHALL BE "BELL" TYPE 2-5/8

DEEP. NO CUTTING EDGES FROM WALL PLATES WILL BE ALLOWED. 1.04 PERFORMANCE REQUIREMENTS

## 1.01 SECTION SUMMARY

- A. THE ELECTRICAL CONTRACTOR (EC) IN RECEIPT OF THIS DESIGN SPECIFICATION, AND ALL CONTRACT DOCUMENTS ACKNOWLEDGES THAT HE HAS REVIEWED THE INFORMATION CONTAINED HEREIN AND THE INFORMATION IS SUFFICIENT TO ENABLE THE CONTRACTOR TO ACCURATELY BID THE PROJECT AND COMPLETE THE WORK AS DESCRIBED IN THE TIME ALLOTTED FOR THE PRICE AGREED TO WITH AND ACCEPTED BY THE OWNER AND CONSULTANT. THIS INCLUDES ALL WORK, WHETHER OR NOT SPECIFICALLY DESCRIBED IN THE DESIGN SPECIFICATION PACKAGE, WHICH REASONABLY MAY BE EXPECTED OR REQUIRED TO PRESENT A COMPLETE INSTALLATION THAT IS BOTH FULLY FUNCTIONAL AND IN COMPLIANCE WITH ALL APPLICABLE LAWS CODES, RULES, AND REGULATIONS APPLICABLE TO THIS PROJECT.
- B. THE EC SHALL BE RESPONSIBLE FOR ENSURING THAT IT IS FULLY AWARE OF THE **EXPECTATION OF THE CONTRACT DOCUMENTS** AS WELL AS THE LOCATION AND CONDITION OF THE WORK SITE, ANY SPECIFIC CONDITIONS AND LIMITATIONS OF THE SITE, AND ANY OTHER INFLUENCES THAT MAY AFFECT THE WORK AS OUTLINED IN THE DESIGN SPECIFICATION.
- C. CLAIMS FOR ADDITIONAL TIME OR ADDITIONAL COMPENSATION AS A RESULT OF THE EC'S FAILURE TO FAMILIARIZE ITSELF WITH ALL LOCAL CONDITIONS AND THE CONTRACT DOCUMENTS WILL NOT BE ACCEPTED OR APPROVED. THE EC IS TO PROVIDE ALL LABOR,
- MATERIALS, TRANSPORTATION AND EQUIPMENT TO COMPLETE THE INSTALLATION, FURNISHING, ASSEMBLY, SET UP, AND TESTING OF THE LIGHTING CONTROL SYSTEM WORK INDICATED ON THE ASSOCIATED "LTC" DRAWINGS AND SPECIFIED HEREIN. NOTWITHSTANDING ANY DETAILED INFORMATION IN THIS SECTION, PROVIDE COMPLETE, WORKING EQUIPMENT. CONTRACTOR WILL PROVIDE ALL MATERIALS AND ASSEMBLIES AND OTHER SUCH WORK THAT IS REQUIRED, WHETHER OR NOT SPECIFICALLY MENTIONED IN THESE SPECIFICATIONS. ALL EQUIPMENT SHALL BE COMPLETELY INSTALLED WITH ALL THE **NECESSARY INTERCONNECTION AND WIRING**
- E. THE EC IS TO COORDINATE WITH GC/EC FOR ANY AV INTERFACES.

TO PROVIDE FULLY FUNCTIONING SYSTEMS.

## 1.02 DEFINITIONS

- A. THE FOLLOWING DEFINITIONS SHALL APPLY
- 1. THE TERM OWNER:
- CAESARS 2.THE TERM CONSTRUCTION MANAGER "CM" OR
- 3. THE TERM ELECTRICAL CONTRACTOR OR "EC":
- 4.THE TERM ARCHITECT

#### JCJ ARCHITECTURE **5.THE TERM CONSULTANT**

- COHERENT DESIGN **6.THE TERM LIGHTING CONTROLS CONTRACTOR** OR "LTCC":
- 7.THE TERM "SHALL" IS MANDATORY; THE TERM "WILL" IS INFORMATIVE; THE TERM "MAY" DESCRIBES AN OPTION; THE TERM "SHOULD" IS ADVISORY; THE TERM "PROVIDE" MEANS
- FURNISH AND INSTALL 8. THE TERM "BY OTHERS" SHALL REFER TO MATERIAL AND WORK THAT IS RELATED TO THIS LTC SUB-CONTRACT AND FOR WHICH THE EC IS NOT RESPONSIBLE EXCEPT AS OTHERWISE DETAILED HEREIN. SOME OR ALL OF THESE ITEMS MAY BE INCLUDED IN THE
- **OVERALL GC'S SCOPE.** 9.THE TERM "OFE" SHALL REFER TO "OWNER FURNISHED EQUIPMENT", WHICH SHALL BE PROVIDED BY THE OWNER TO THE EC. THE EC SHALL BE RESPONSIBLE FOR INSTALLING AND INTEGRATING THIS EQUIPMENT AS DETAILED
- 10. THE TERM "NIC" SHALL MEAN "NOT IN CONTRACT", WHICH THE OWNER OR OTHER CONTRACTORS MAY PROVIDE. THE EC SHALL BE RESPONSIBLE FOR PROVIDING CABLING, PLATES, AND OTHER INFRASTRUCTURE AS INDICATED ON THE DRAWINGS AND HEREIN SO AS TO PROVIDE "PLUG AND PLAY" READY INSTALLATION OF ALL NIC EQUIPMENT.

## 1.03 WORK BY OTHERS

- A. AV EQUIPMENT B. STRUCTURAL WORK, WALL OPENINGS, PLATFORMS, RAILINGS, STAIRS, FIRE PREVENTION AND SAFETY DEVICES, ROUGH AND FINISHED TRIM, PAINTING AND PATCHING. DRAPES, CARPETS, FLOOR COVERINGS, COMPUTER FLOORS, GLAZING, ACOUSTICAL TREATMENTS, HEATING, VENTILATING, AND AIR CONDITIONING SYSTEMS UNLESS NOTED OTHERWISE.
- C. MOVEABLE FURNITURE, DESKS, AND CHAIRS
- UNLESS NOTED OTHERWISE D. SEE CONSTRUCTION DOCUMENTS FOR REFERENCE TO ITEMS MARKED "NOT IN CONTRACT" AND/OR "BY OTHERS".
- A. THE ELECTRICAL CONTRACTOR SHALL STUDY THE DRAWINGS AND FAMILIARIZE HIMSELF WITH THE WORK OF THE ENTIRE PROJECT SCOPE. THE WORK OF THIS SECTION SHALL BE CAREFULLY ORGANIZED AND PROGRAMMED SO THAT ITS PROGRESS SHALL BE CONCURRENT WITH THE WORK OF ALL OTHER TRADES AND SO THAT THE WORK SHALL PROCEED AS EXPEDITIOUSLY AS

POSSIBLE.

## B. THE EC SHALL COORDINATE SEVERAL

MEETINGS WITH THE LIGHTING CONTROL SYSTEM MANUFACTURER TO ENSURE PROPER UNDERSTANDING OF THE PROJECT'S INSTALLATION. C. THE EC SHALL BE RESPONSIBLE FOR THE CORRECT PLACING OF THE WORK OF THIS

SECTION, EQUIPMENT TO FIT INTO THE

STRUCTURE AS BUILT, AND ATTACHMENT OF

TRADES AND OWNER FURNISHED EQUIPMENT

**EQUIPMENT TO THE WORK OF ALL OTHER** 

- AND FACILITIES. INSTALL ALL EQUIPMENT TO INDUSTRY SAFETY AND ERGONOMIC STANDARDS AND PROVIDE FULL ENGINEERING AND TECHNICAL SUPPORT THROUGHOUT THE INSTALLATION PROCESS.
- E. THE FUNCTIONAL INTERCONNECTIONS OF THE AUDIO, VIDEO, AND CONTROL SYSTEMS SHALL COMPLY WITH THE MANUFACTURER'S SYSTEM INSTALLATION GUIDELINES, INDUSTRY STANDARD PRACTICES, AND AS SPECIFIED HEREIN.
- F.IT SHALL BE THE RESPONSIBILITY OF THE EC TO COORDINATE WITH THOSE PERFORMING RELATED WORK AND TO INTERFACE OTHER SYSTEMS WITH THE WORK OF THIS SECTION. THE EC SHALL ENSURE THAT THE WORK BY OTHERS SHALL INTEGRATE PROPERLY WITH THE WORK OF THIS SECTION AND THAT ALL SUCH WORK COLLECTIVELY COMPLIES WITH ALL REQUIREMENTS AS SPECIFIED HEREIN
- 1. COORDINATION SHALL INCLUDE PROVIDING TIMELY SUBMITTAL AND FIELD COORDINATION OF MOUNTING REQUIREMENTS, DIMENSIONS, AND ANY OTHER INFORMATION REQUIRED BY
- OTHER TRADES. 2.MAINTAIN CONSTANT COMMUNICATIONS WITH ALL DESIGNATED PERSONNEL OF THE CM AND ATTEND ALL CONSTRUCTION MEETINGS AS
- REQUESTED BY THE CM. G. THE EC SHALL GENERATE ALL SHOP DRAWINGS AND INFORMATION FOR THE COMPLETE INSTALLATION AND WIRING OF THE SYSTEM. THE EC SHALL PROVIDE PULL SCHEDULES AND RISER DIAGRAMS FOR THE ON-SITE INSTALLATION AND WIRING AND SHALL PROVIDE ON-GOING SUPERVISION AND COORDINATION DURING THE IMPLEMENTATION PHASE. THE EC SHALL PROVIDE PRE- PRINTED WIRE LABELS NUMERICALLY ORGANIZED FOR SIGNAL TYPE AND CABLE COUNT ACCORDING TO THE ENGINEERING DOCUMENTATION & SHOP
- H. THE EC SHALL BE RESPONSIBLE FOR THE COMPREHENSIVE ADJUSTMENT OF THE SYSTEMS AS SPECIFIED HEREIN AND SHALL PROVIDE ALL TEST EQUIPMENT FOR THE SYSTEM CHECKOUT AND ACCEPTANCE TESTS. ADJUST AND BALANCE ALL CIRCUITS AS SPECIFIED HEREIN. SET ALL CONTROLS AND SOFTWARE PARAMETERS TO RENDER FULLY AND OPTIMALLY OPERATING SYSTEMS AND SUBSYSTEMS, ALL COMPUTER CONTROLLED FUNCTIONS SHALL REQUIRE COMPLETE SOFTWARE SETUP, BALANCING, LABEL-ENTRY

## AND DOCUMENTATION.

- I. SCOPE OF WORK 1.PROVIDE A COMPLETE AND FUNCTIONING LIGHTING CONTROL SYSTEM (LTC), SOFTWARE, AND TRAINING TO MEET OR EXCEED THE
- PERFORMANCE DOCUMENT. 2.PROVIDE MATERIALS, LABOR, AND EQUIPMENT
- INCLUDING BUT NOT LIMITED TO: a.THE DELIVERY, UNLOADING, SETTING IN PLACE, FASTENING TO WALLS, FLOORS, CEILINGS. COUNTERS, OR OTHER STRUCTURES WHERE
  - REQUIRED. **b.PROVIDE LOW VOLTAGE CABLE AS PER LTC** DRAWINGS OR AS REQUIRED TO DELIVER A
  - FULLY FUNCTIONAL SYSTEM c.FINAL TERMINATIONS, DRESSING, AND TESTING OF ALL LTC CABLING INCLUSIVE OF CABLES PULLED BY OTHERS.
  - **d.INTERCONNECTING WIRING OF THE SYSTEM** COMPONENTS AND EQUIPMENT ALIGNMENT
  - e.ALL EQUIPMENT AS SHOWN IN THE DRAWINGS, BOM, DATA SHEETS AND HEREIN. f. ALL INTERCONNECTION CABLE, CONNECTORS,

TERMINAL STRIPS, WIREWAY, FLEXIBLE

LTC SYSTEMS AS DETAILED IN THE DRAWINGS AND HEREIN. g.COORDINATE SIZES WITH WALL AND FLOOR **BOX MANUFACTURERS AND PROVIDE ALL** 

**CUSTOM CONNECTOR PANELS REQUIRED AS** 

CONDUIT, RACEWAYS, ETC. TO FACILITATE THE

DETAILED IN THE DRAWINGS AND HEREIN. h.ALL OTHER WORK WHETHER OR NOT **EXPRESSLY SPECIFIED HEREIN AND ON THE** 

#### DRAWINGS TO PROVIDE COMPLETE OPERATIONAL TURNKEY SYSTEMS

J.DESIGN STANDARDS

AND ADJUSTMENT.

- 1. THE OWNER'S GOAL IS TO HAVE THE LIGHTING CONTROLS EQUIPMENT INTEGRATED AS A COHESIVE SYSTEM, THEREFORE, PART OF THE DEVELOPMENT EFFORTS FOR SUCCESSFULLY IMPLEMENTING THE LTC SYSTEMS SHOULD INCLUDE:
- a.INSTALLATION OF THE SYSTEM IN A MANNER THAT WILL COMPLY WITH MANUFACTURER STANDARDS. AND ROUTING OF ALL CONTROL CABLING ELEMENTS OF THE FINAL DESIGN IN A SUBTLE, UNOBTRUSIVE MANNER TO MAINTAIN THE ARCHITECTURAL AND VISUAL INTEGRITY OF THE BUILDING.
- CONTROLS THAT SHOULD NOT NEED TO BE ADJUSTED AFTER INITIAL SET-UP. ALL COMPONENTS PERMANENTLY MOUNTED TO RACK RAIL SYSTEMS SHALL BE INSTALLED WITH INDUSTRY ACCEPTED SECURITY SCREWS

c.SECURE ALL ABOVE FINISHED CEILING (AFC)

LTC EQUIPMENT TO BUILDING STRUCTURE.

**b.SUPPLY AND INSTALL SECURITY COVERS ON** 

ANY ELECTRONICS WITH FRONT PANEL

d.NO MORE THAN 10% OF RATED LAMP HOURS SHALL BE EXPENDED FOR THE LIGHTING SYSTEM SETUP AT THE TIME OF FINAL SYSTEMS

- ACCEPTANCE. SHOULD MORE HOURS THAN THIS BE EXPIRED, THE EC SHALL REPLACE THE LAMP AT NO COST TO THE OWNER.
- **e.SUPPLY OF "INTELLECTUAL PROPERTY** RELEASE" WITH AN EDITABLE VERSION OF ALL MASTER SOURCE CODE FOR ALL DIGITAL SIGNAL PROCESSING, REMOTE CONTROL OR MICROPROCESSOR-BASED SYSTEMS INCLUDED ON THIS PROJECT INSTALLED ON OWNER-FURNISHED PERSONAL COMPUTER AND ON
- f. SUPPLY OF ANY NECESSARY LIGHTING AND ETHERNET CONTROL SIGNAL REPEATERS, **EXTENDERS, AND AMPLIFIERS FOR CABLE RUNS GREATER THAN SPECIFIED SIGNAL** MAXIMUMS AS NEEDED TO MAINTAIN REQUIRED SIGNAL LEVELS FOR RECEIPT AT DESTINATION
- g.INSTALLATION SHALL COMPLY WITH ALL APPLICABLE CODES AND BEST PRACTICES.

K. DISCREPANCIES

DEVICE.

PORTABLE MEDIA.

1. WHERE THERE IS A DISCREPANCY BETWEEN DRAWINGS OR BETWEEN DRAWINGS AND DOCUMENTS, THE EC SHALL CONFORM TO THE **GUIDELINES BELOW. THE EC SHALL CONSIDER** ALL THE INFORMATION IN COMBINATION AND NOT CONSIDER ONE ELEMENT ALONE TO MEET A MINIMUM REQUIREMENT. THE GUIDELINES ARE AS FOLLOWS:

a.FLOOR AND CEILING PLANS INDICATE DEVICE GENERAL LOCATIONS

**b.ARCHITECTURAL, ID, AND ELECTRICAL** DRAWINGS INDICATE THE LOCATION OF ALL FLOOR BOXES, BACK BOX, AND ALL CONDUIT INTERCONNECT POINTS AS SHALL BE INSTALLED AS IN INFRASTRUCTURE BY THE ELECTRICAL CONTRACTOR. THESE DRAWINGS ARE TO INFORM THE EC AS TO ALL POINTS WITHIN THE FACILITIES FOR CABLE AND

CONNECTOR PLATE INSTALLATION.

C.LTC DETAILED BLOCK DIAGRAMS TO INDICATE **GENERAL SIGNAL FLOW AND** INTERCONNECTION OF DEVICES, PIN OUTS AND SIGNAL LEVELS.

MINIMUM PERFORMANCE REQUIREMENTS. METHODOLOGIES, AND THE DESIGN INTENT. e.THE BOM PROVIDES A GENERAL LIST OF MAJOR

d.THE LTC SPECIFICATIONS DELINEATE

EQUIPMENT TO BE SUPPLIED. f. WHERE THERE IS A CONFLICT IN NUMBER OR TYPE OF DEVICE SPECIFIED. THE GREATER

QUANTITY AND/OR HIGHER DOLLAR VALUE

TYPE SHALL GOVERN. L.THESE SPECIFICATIONS AND THE DRAWINGS DO NOT NECESSARILY INDICATE EVERY SINGLE COMPONENT PART OF EACH SYSTEM. IT IS THE RESPONSIBILITY OF THE EC TO ENGINEER EACH SYSTEM AND ITS INTERCONNECTION IN ORDER TO PROVIDE, FURNISH, AND INSTALL COMPLETELY OPERATIONAL TURNKEY SYSTEMS. NO ERROR OR OMISSION HEREIN OR ON ANY RELATED CONSTRUCTION DOCUMENTS SHALL RELIEVE THE EC FROM THIS

RESPONSIBILITY TO DO SO.

# HARRAH'S NOLA

AREA E RESTROOMS

Jazz Casino Company LLC Harrah's Casino 8 Canal Street New Orleans, Louisiana 70130 Project Director: Ryan Worrell

**JCJ**ARCHITECTURE

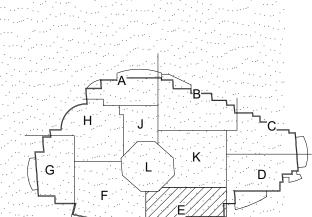
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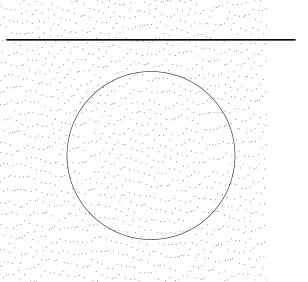
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KEY PLAN

120 - PERMIT SET 6/06/2022



ISSUE 06/06/22 JOB V21009

DRAWN Author

SCALE 12" = 1'-0"

REVISIONS

LTC NOTES

120-LTC-101

# CASINO AND AREA E RESTROOMS | Market |

NOTE

THIS ELECTRICAL ROOM COVERS THE 100 CASINO AND 120 AREA E RESTROOMS.

AREA E RESTROOMS HAPPEN BEFORE THE REST OF THE CASINO AND COORDINATION WILL BE NECESSARY BETWEEN THE TWO PORTIONS OF THE PROJECT.

\* ELECTRICAL DRAWINGS TO CARRY DIMMER SCHEDULE INFORMATION AFTER CD90% DRAWINGS.

\* PRELIMINARY CONCEPTUAL DIMMER SCHEDULE ONLY.

\* ELECTRICAL ENGINEER AND/OR ELECTRICAL CONTRACTOR TO VERIFY ALL INFORMATION SHOWN TO ENSURE SYSTEM IS COMPLIANT TO ALL CODES, ELECTRICAL REQUIREMENTS, AND PROJECT NEEDS.

# HARRAH'S NOLA CIP

AREA E RESTROOMS (120)

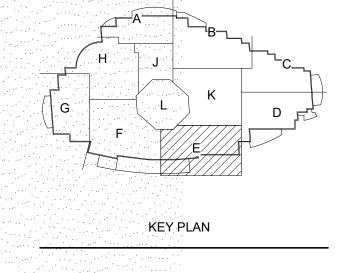
> Jazz Casino Company LLC Harrah's Casino 8 Canal Street New Orleans, Louisiana 70130 Project Director: Ryan Worrell

## JCJARCHITECTURE

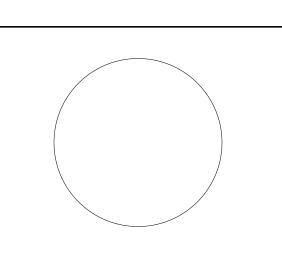
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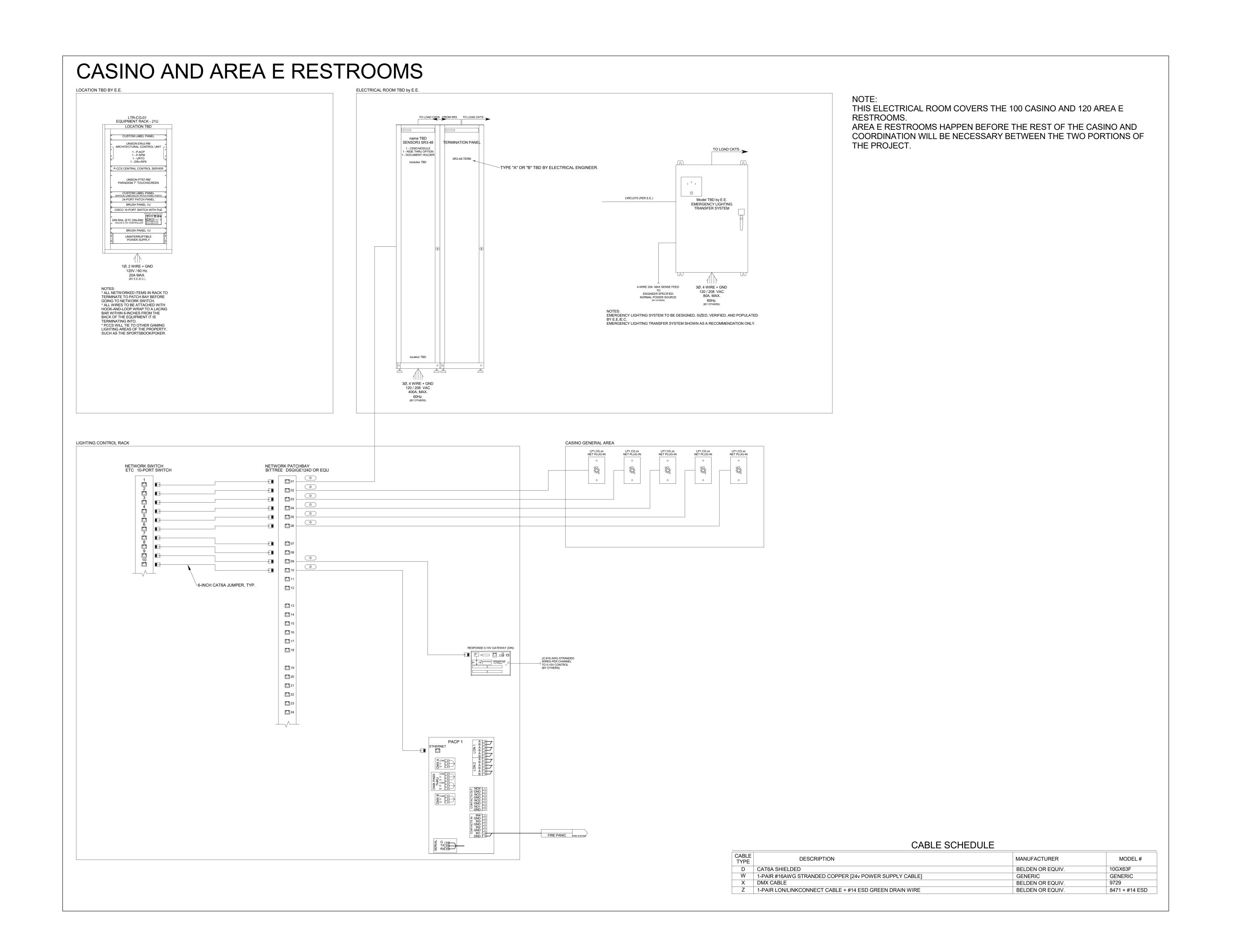
DRAWN Author

SCALE 3/8" = 1'-0"

REVISIONS

DIMMER SCHEDULE

120-LTC-600



# HARRAH'S NOLA

Jazz Casino Company LLC Harrah's Casino 8 Canal Street New Orleans, Louisiana 70130 Project Director: Ryan Worrell

JCJARCHITECTURE

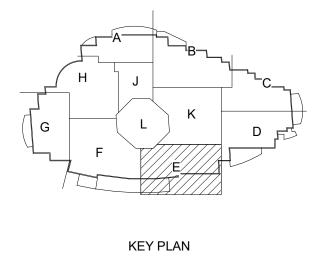
SUITE 100 LAS VEGAS, NV 89118 702.577.2650

6847 PONDEROSA WAY

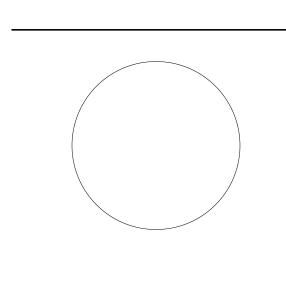
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CONSULTANT:





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DRAWN Author SCALE \_\_\_1" = 1'-0"

REVISIONS

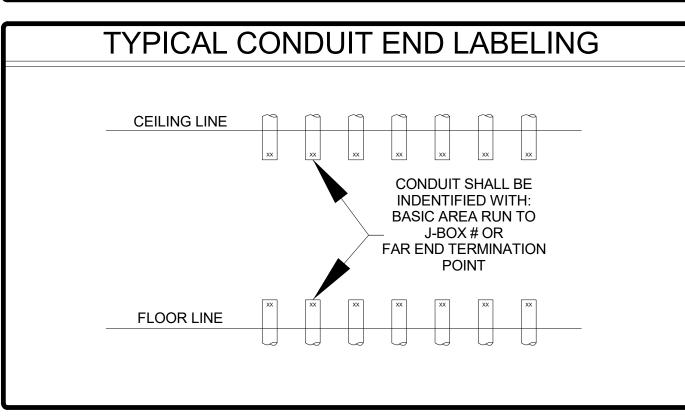
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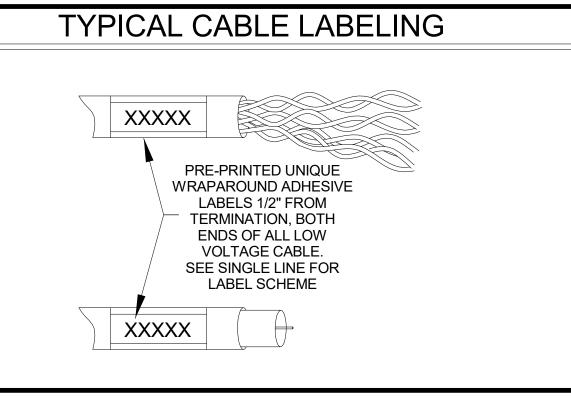
120-LTC-800

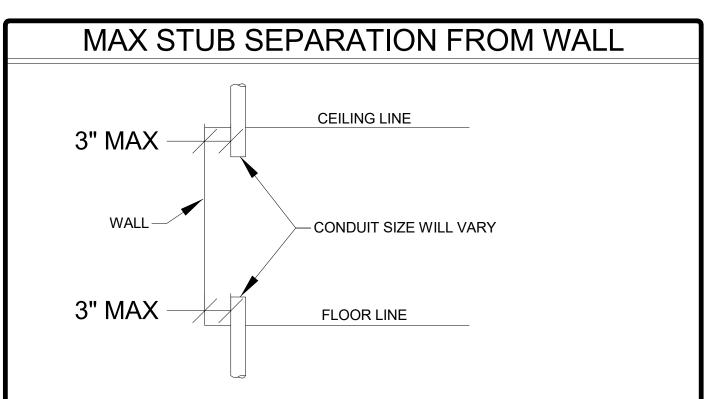
# HARRAHS NOLA - 120 AREA E RESTROOMS

AC RECEPTACLE LEGEND				
SYMBOL	DESCRIPTION			
	DUPLEX WALL MOUNTED			
	QUADPLEX WALL MOUNTED			
	208V L6-20R WALL MOUNTED			
H XXXAMP	xxx AMP TPN PIN & SLEEVE			
	DUPLEX FLOOR OR CEILING			
	208V L6-20R FLOOR OR CEILING			
	120V L5-20R FLOOR OR CEILING			
	3-PHASE L21-20R FLOOR OR CEILING			
	208V L6-20R FLOOR OR CEILING			
	120/208V COMPANY SWITCH AS SHOWN			

CONDUIT LABEL KEY
EXACT QTY. OF CABLES REQUIRED
CABLE TYPE  5 D
NOTE: WHERE CONDUIT SIZES ARE SHOWN IN THIS DRAWING SET, THEY ARE FOR REFERENCE ONLY. CONDUIT CONTRACTOR IS RESPONSIBLE FOR PROPER CONDUIT SIZING







DRAWING SYMBOLS				
DRAWING TITLE	DRAWING TITLE Scale: 1:1			
	SECTION NUMBER			
CROSS SECTION REFERENCE	SHEET NUMBER			
	ELEVATION NUMBER			
ELEVATION REFERENCE	SHEET NUMBER			

AV SYMBOL LEGEND							
SYMBOL	DESCRIPTION	MANUFACTURER	PART NUMBER	BACK BOX	COVER/LIFT/ MOUNT	MOUNTING HEIGH	
- VC	KEYED VOLUME CONTROL	LOWELL	KL100-DW	4S	-	+46" AFFC	
<u>(S1)</u>	8" CEILING SPEAKER (70V)	SONANCE	PS-C83RT	4S WITH FLEX WHIP	-	IN-CEILING	
<b>S2</b>	8" PENDANT SPEAKER (70V)	SONANCE	PS-P83RT	4S WITH FLEX WHIP	-	VARIES	
<b>§3</b>	8" HIGH CEILING SPEAKER (70V)	TANNOY	CMS-803Q	4S WITH FLEX WHIP	W/ ARCO GRILLE	IN-CEILING	
<b>S4</b>	6" CEILING SPEAKER (70V)	SONANCE	PS-C63RT	4S WITH FLEX WHIP	-	IN-CEILING	

	CABLE SCHEDULE								
CABLE TYPE	DESCRIPTION	MANUFACTURER	MODEL#	NOMINAL O.D. (IN.)					
Α	SINGLE PAIR AUDIO CABLE	BELDEN OR EQUIV.	1800B	0.177					
В	RG-8/U 50 OHM COAX	BELDEN OR EQUIV.	9913	0.405					
D	CAT6A SHIELDED (YELLOW)	BELDEN OR EQUIV.	10GX63F 0041000	0.310					
F	OS2 8 STRAND FIBER (PLENUM)	BELDEN OR EQUIV.	FISD012P9	0.230					
S	12 AWG SPEAKER CABLE	BELDEN OR EQUIV.	5000UE	0.260					
U	RG8 RF ANTENNA CABLE	BELDEN OR EQUIV.	8214	0.403					

	COMMON ABBR(S):		JOB ABBR(S):
١	AUDIO	-	-
\.F.F	ABOVE FINISHED FLOOR	-	-
AUX	AUXILIARY	-	-
٨V	AUDIO/VIDEO	-	-
	CONTROL	-	-
CAB	CABLE	-	-
CATV	CABLE TELEVISION	-	-
)	DATA	-	-
R	INFRARED	-	-
-	LINE LEVEL	-	-
.ED	LIGHT-EMITTING DIODE	-	-
Л	MICROPHONE	-	-
ИΜ	MULTIMODE FIBER OPTIC	-	-
РВ	PATCH BAY	-	-
3	SPEAKER	-	-
SM	SINGLEMODE FIBER OPTIC	-	-
SPK	SPEAKER	-	-
J.N.O.	UNLESS NOTED OTHERWISE	-	-
/	VIDEO	-	-

		GENERAL NOTE:
HTS	1.	SIGNAL LEVEL CLASSES MUST NEVER BE INTERMIXED WITHIN A GIVEN CONDUIT.
110	2.	CONDUIT MAY ONLY BE IN CLOSE PROXIMITY IF IT CROSSES AT A NINETY DEGREE ANGLE.
	3.	AUDIO CONDUIT NEAR CONDUIT WITH HIGH CURRENT CIRCUITS REQUIRES GREATER SEPARATION THAN LISTED BELOW.
	4.	AUDIO CONDUIT IN LONG PARALLEL RUNS WITH ANY CONDUIT CLASSES LISTED BELOW REQUIRES GREATER SEPARATION THAN LISTED BELOW.

MINIMUM SEPARATION BETWEEN A/V SIGNAL CONDUITS						
	SIGNAL LEVEL A	SIGNAL LEVEL B	SIGNAL LEVEL C	SIGNAL LEVEL D	SIGNAL LEVEL E	
SIGNAL LEVEL A MICROPHONE	-	6" [150]	12" [300]	12" [300]	6" [150]	
SIGNAL LEVEL B LINE LEVEL	6" [150]	-	12" [300]	6" [150]	6" [150]	
SIGNAL LEVEL C LOUDSPEAKER	12" [300]	12" [300]	-	6" [150]	6" [150]	
SIGNAL LEVEL D DATA AND VIDEO	12" [300]	6" [150]	6" [150]	-	6" [150]	
SIGNAL LEVEL E FIBER OPTIC	6" [150]	6" [150]	6" [150]	6" [150]	-	

MINIMUM SEPARATION BETWEEN A/V CONDUITS AND POWER CONDUITS								
AUDIO/VIDEO CONDUIT TYPE	POWER CONDUIT TYPE	< 60 AMPS	60 AMPS	120 AMPS	240 AMPS	400 AMPS		
EMT	EMT	24" [600]	36" [915]	48" [1220]	NO	NO		
EMT	RIGID	4" [100]	8" [200]	12" [300]	24" [600]	48" [1220]		
RIGID	RIGID	1" [25]	2" [50]	4" [100]	8" [200]	16" [400]		

MINIMUM SEPARATION BETWEEN A/V EQUIPMENT AND POWER CONDUITS							
	< 60 AMPS	60 AMPS	120 AMPS	240 AMPS	400 AMPS		
EMT - CONTROL ROOM	ОК	12" [300]	30" [760]	60"[1520]	120"[3050		
RIGID - CONTROL ROOM	OK	ОК	OK	24" [600]	60" [1520		
EMT - HOUSE MIX/PULL PATH	OK	24" [600]	48" [1220]	96" [2440]	192" [487		
RIGID - HOUSE MIX/PULL PATH	ОК	6" [150]	12" [300]	24" [600]	48" [1220		
EMT - PLATFORM, STAGE, PIT	ОК	24" [600]	48" [1220]	NO	NO		
RIGID - PLATFORM, STAGE, PIT	ОК	ОК	12" [300]	24" [600]	48" [1220		
EMT - EQUIPMENT ROOMS	ОК	12" [300]	30" [760]	60" [1520]	120" [305		
RIGID - EQUIPMENT ROOMS	OK	OK	ОК	24" [600]	48" [1220		

## HARRAH'S NOLA CIP

AREA E RESTROOMS

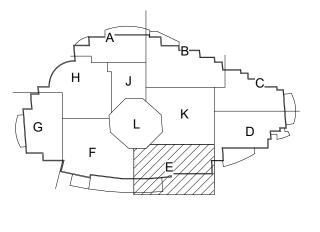
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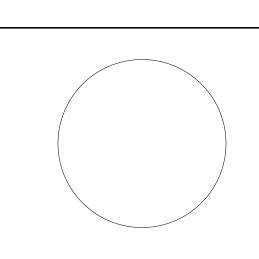
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120 - PERMIT SET 6/06/2022



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AV LEGEND

		AV SHEET INDEX - 120
06/06/2022 - 120 - PERMIT SET	SHEET	SHEET NAME
•	120-AV-100	AV LEGEND
•	120-AV-101	AV SHEET INDEX
•	120-AV-102	AV MOUNTING DETAILS

• 120-AV-112E FLOOR AV PLAN AREA E

• 120-AV-901 AV SINGLE LINE

• 120-AV-132E REFLECTED AV PLAN AREA E

# HARRAH'S NOLA CIP

AREA E RESTROOMS (120)

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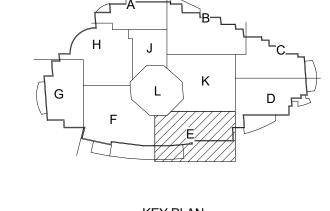
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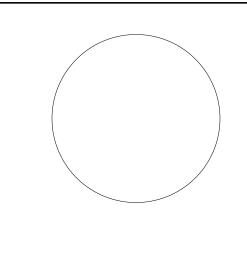
CONSULTANT:





KEY PLAN

120 - PERMIT SET 6/06/2022



ISSUE \_\_6/06/2022 JOB \_\_V21009\_\_\_

SCALE \_\_

**AV SHEET INDEX** 



AREA E RESTROOMS (120)

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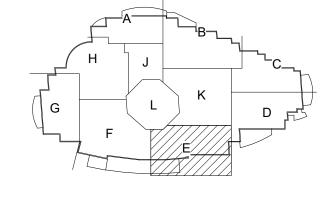
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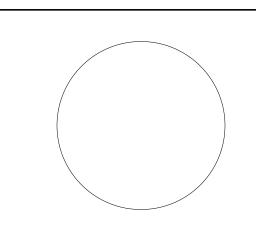
CONSULTANT:





KEY PLAN

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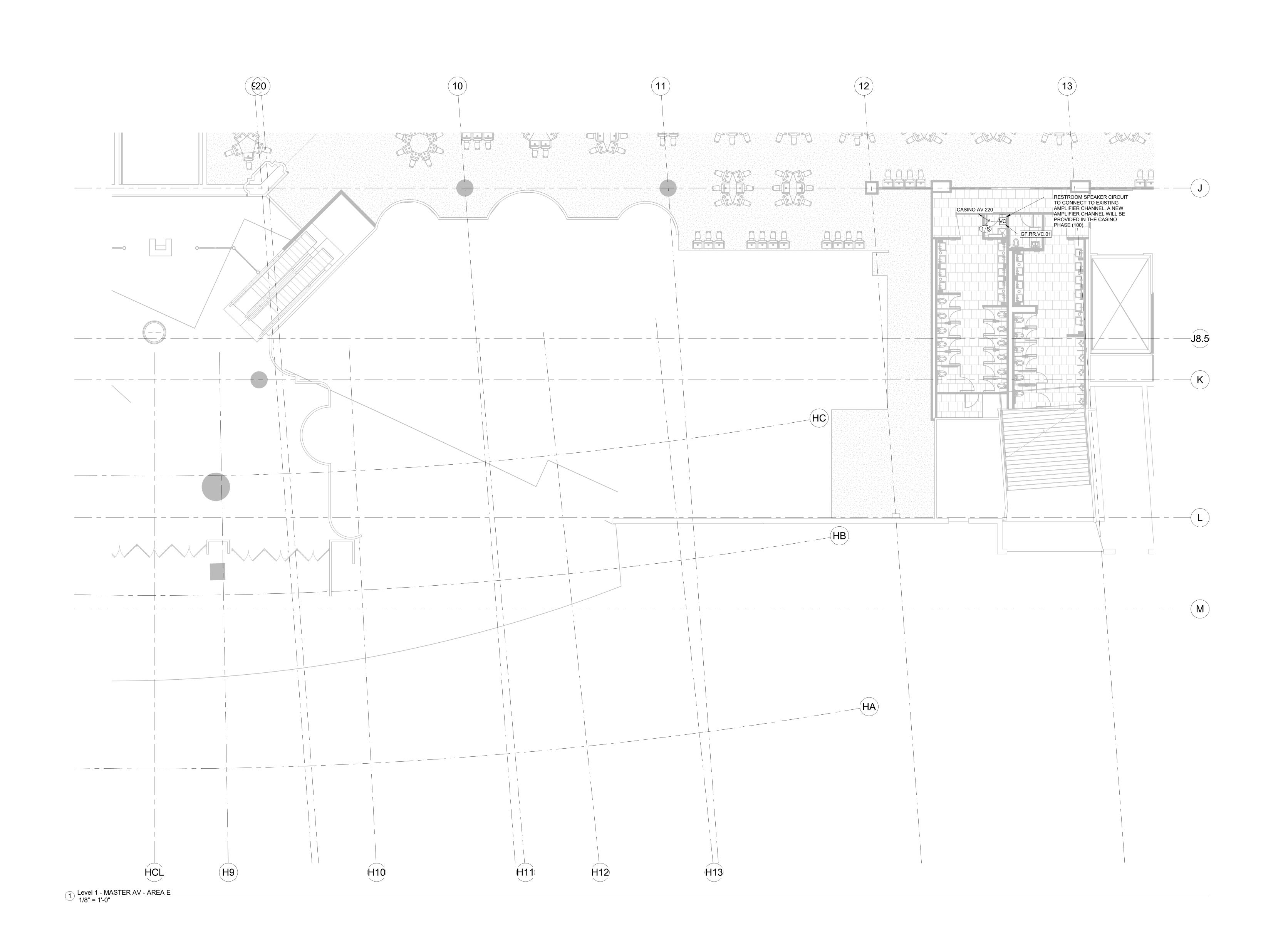
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JOB \_\_V21009\_\_\_\_
DRAWN \_\_NM

SCALE \_\_1" = 1'-0"

REVISIONS

**AV MOUNTING DETAILS** 



AREA E RESTROOMS (120)

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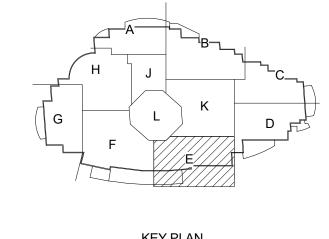
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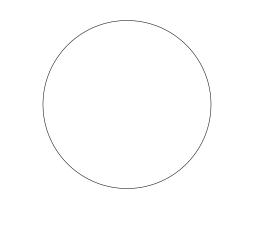
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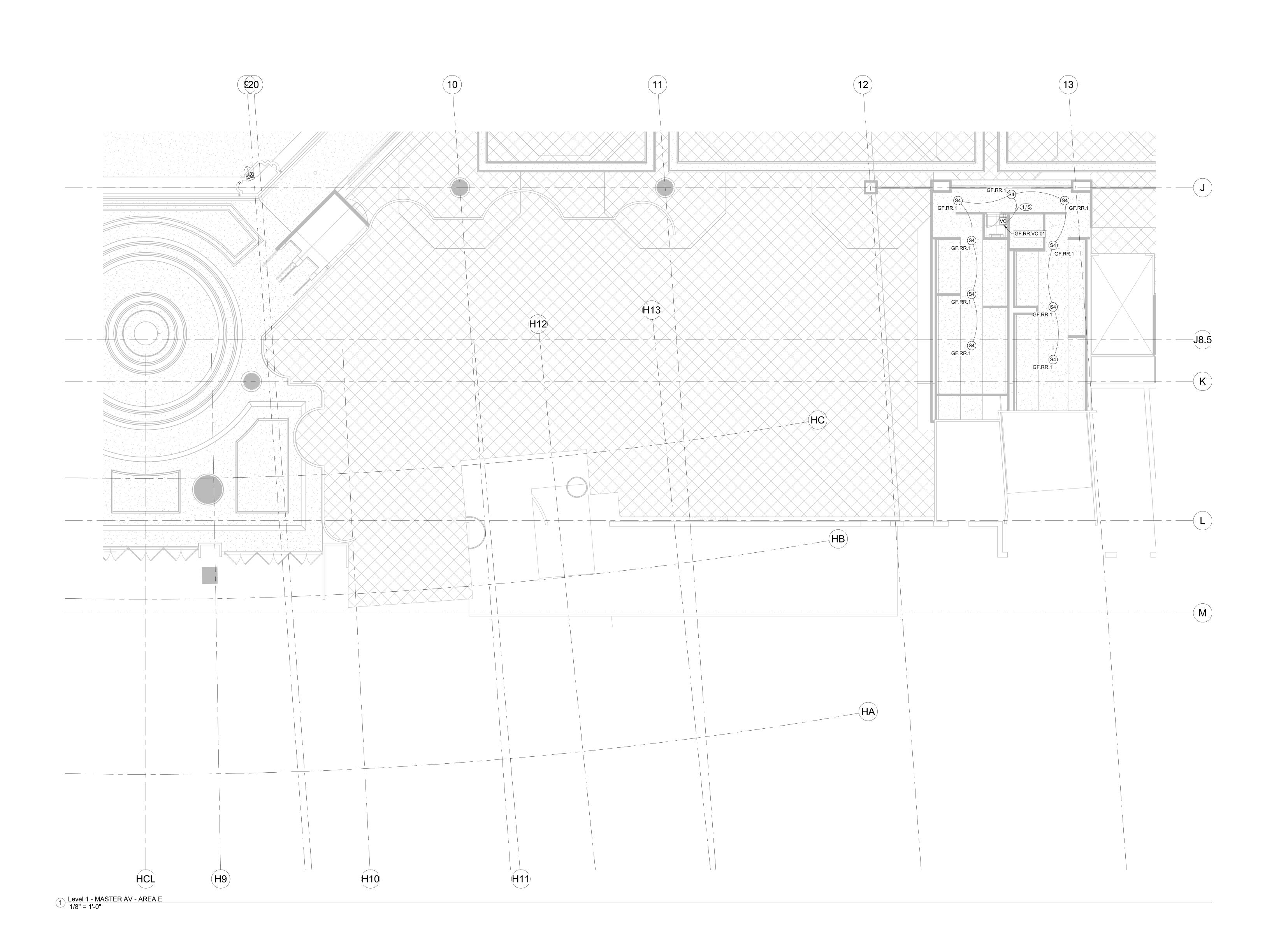
DRAWN NM

SCALE 1/8" = 1'-0"

REVISIONS

FLOOR AV PLAN AREA E

120-AV-112E



AREA E RESTROOMS (120)

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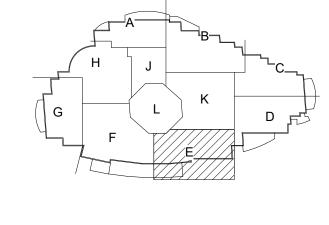
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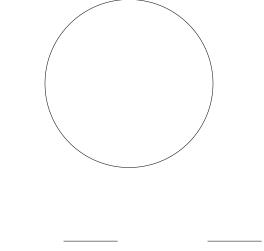
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JOB V21009

DRAWN NM

SCALE 1/8" = 1'-0"

REVISIONS

REFLECTED AV PLAN AREA E

120-AV-132E

ASINO AV							
		AIL TERMINAL STRIP GO 282-101 SERIES	ALL SPEAKER CABLES TO BE TERMINATED WITH 2.5 mm² INSULATED CRIMP FERRULES AT TERMINAL STRIPS GF.RR.VC.01				
	TO EXISTING AMPLIFIER CHANNEL		VOLUME CONTROL LOWELL KL100-DW  70v SPEAKER SONANCE SONANCE PS-C63RT GF.RR.01 - GAMING FLOOR RESTROOM QTY 09 SONANCE PS-C63RT GF.RR.01 SPK-09  QTY 09 SONANCE PS-C63RT				
	THIS SPEAKER CIRCUIT WILL BE ADDED TO THE NEW DSP + AMPLIFIER SYSTEM AS PART OF AREA 100 (CASINO) UPGRADES						

AREA E RESTROOMS (120)

Jazz Casino Company LLC Harrah's Casino 8 Canal Street New Orleans, Louisiana 70130 Project Director: Ryan Worrell

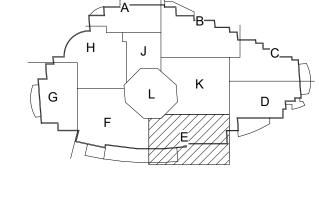
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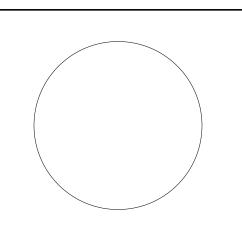
CONSULTANT:





KEY PLAN

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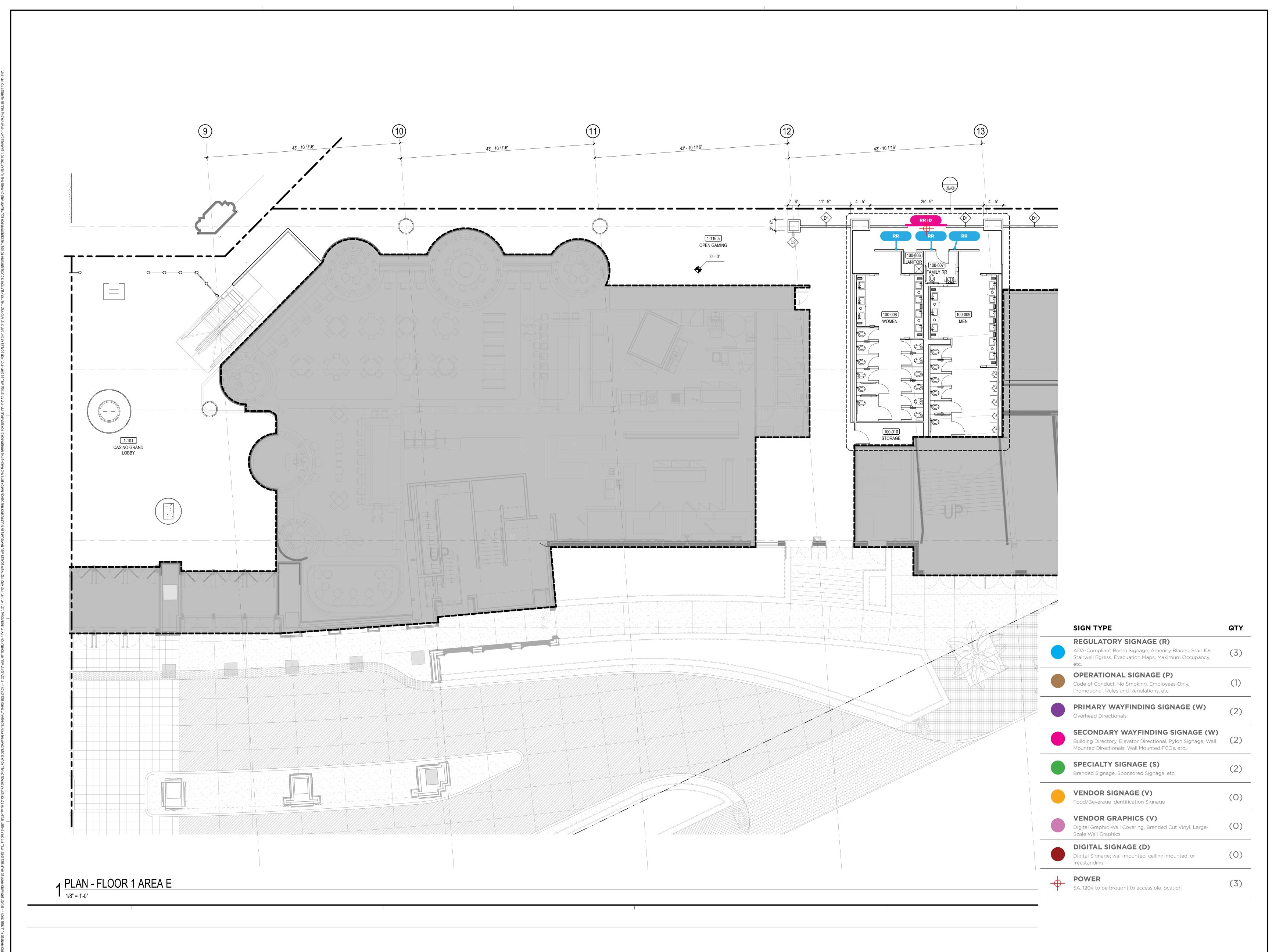


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DRAWN NM
SCALE 1:10

REVISIONS

**AV SINGLE LINE** 



**AREA E RESTROOMS [120]** 

Jazz Casino Company LLC Harrah's Casino 8 Canal Street New Orleans, Louisiana 70130 Project Director: Ryan Worrell

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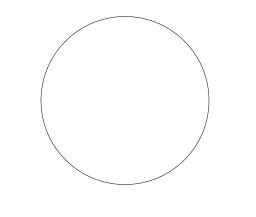
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PIC [RJG] \_\_\_\_\_ DL [AEH] \_\_\_\_\_
PM [ML] DTL [DAT] \_\_\_\_

ISSUE 6/06/2022

JOB V21009

DRAWN DI - AS

SCALE \_\_\_\_\_

REVISIONS

SIGNAGE -AREA E SIGN LOCATION PLAN

120-J-112E







# O 1 RESTROOM SIGNAGE - DETAIL SCALE: 1:1 Full Scale

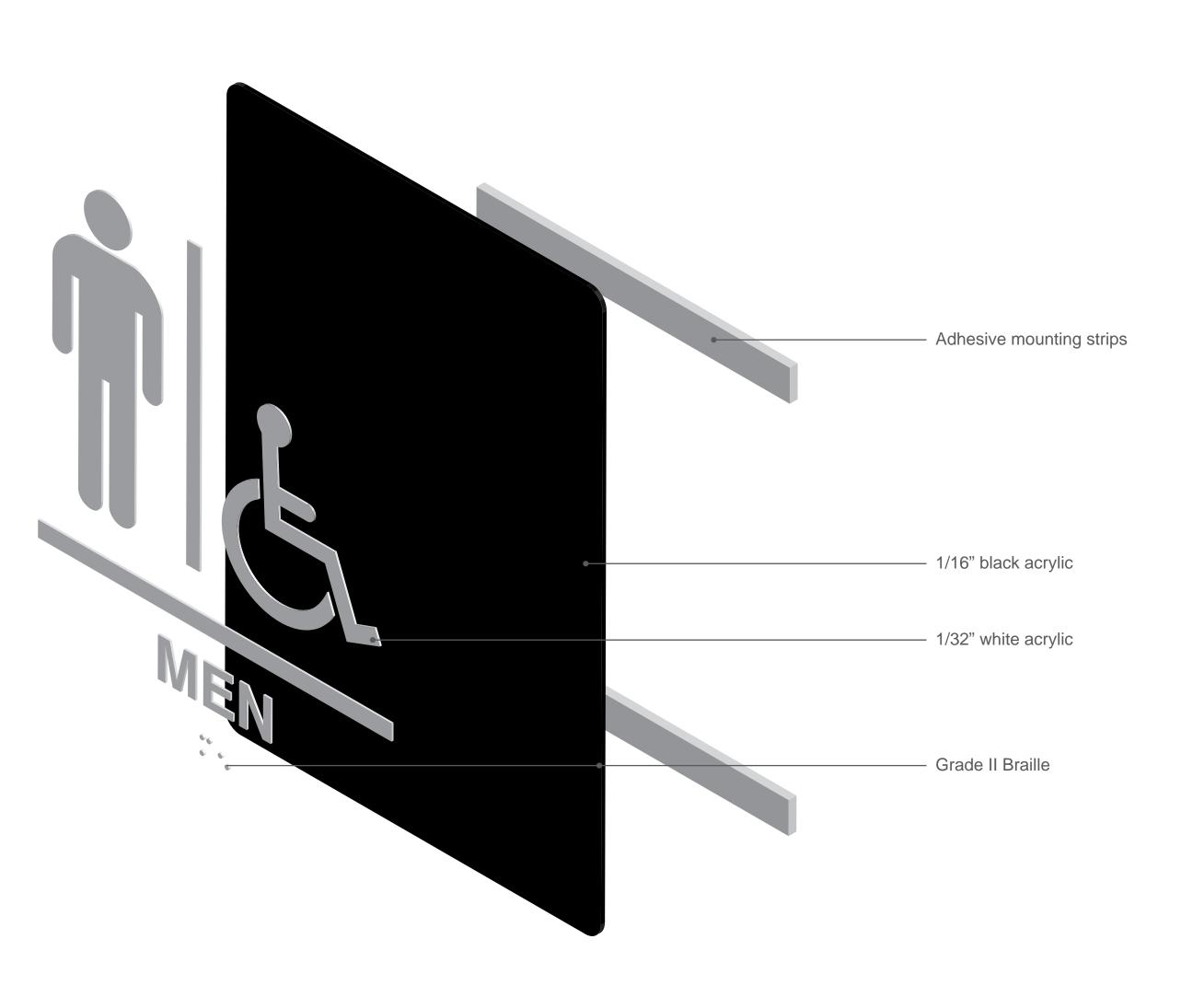
Temporary signage through ComplianceSigns.com Black ADA Braille Accessible MEN Sign with Symbol RRE-150\_White\_on\_Black

Black ADA Braille WOMEN Accessible Restroom Sign RRE-130\_White\_on\_Black

Black ADA Braille FAMILY RESTROOM Sign with Symbol RRE-165\_White\_on\_Black



**O2**RESTROOM SIGNAGE -TYPICAL ELEVATION SCALE: 1 1/2" = 1' - 0"



**O3**RESTROOM SIGNAGE - SIGN CONSTRUCTION SCALE: 1:1 Full Scale

## HARRAH'S NOLA CIP

AREA E RESTROOMS [120]

Jazz Casino Company LLC Harrah's Casino 8 Canal Street New Orleans, Louisiana 70130 Project Director: Ryan Worrell

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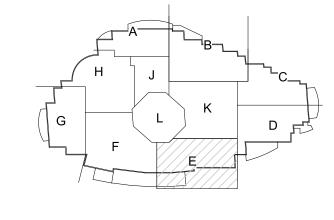
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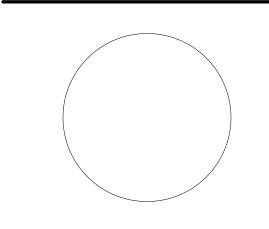
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RET PLAIN

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JOB V21009
DRAWN DI - AS
SCALE

REVISIONS

SIGNAGE -AREA E TEMPORARY SIGNAGE DETAILS

120-J-001