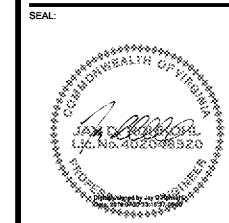


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PROJECT INFORMATION:  
**SONIC**  
 SONIC DRIVE-IN RESTAURANT  
 10850 PROMENADE LANE  
 MANASSAS, VA 20109  
 STORE #6711



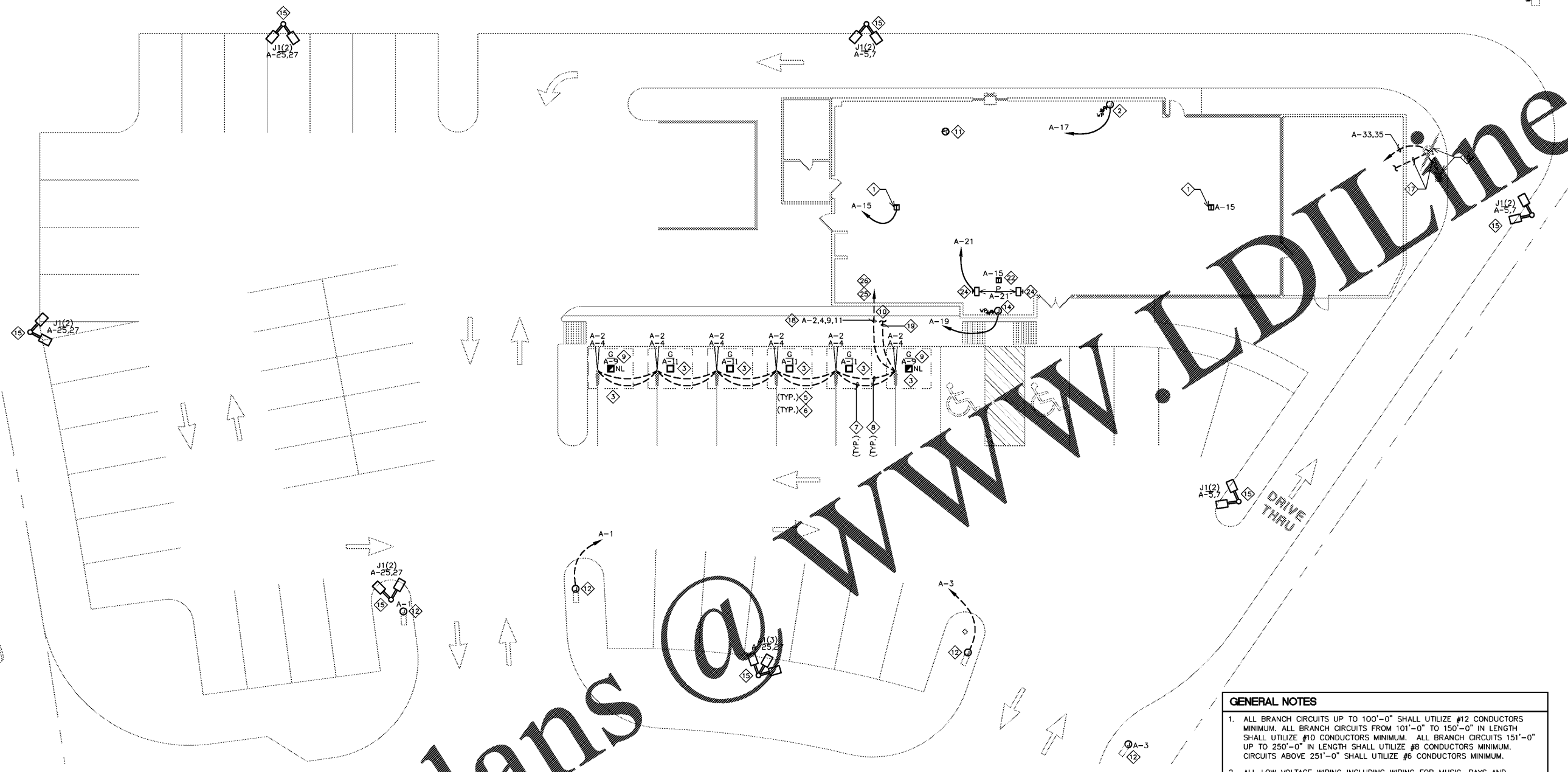
PROJECT NO.: 0419738-002  
 DRAWN BY: CM  
 CHECKED BY: RM

ISSUE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PERMIT SET: \_\_\_\_\_ 07-27-18

REVISION: \_\_\_\_\_ DATE: \_\_\_\_\_

PROJECT LOCATION:  
**MANASSAS, VA**  
 #6711

SHEET NUMBER / TITLE:  
**E1.01**  
 CANOPY/MENU WIRING PLAN



**1 CANOPY / MENU WIRING PLAN**  
 E1.01 SCALE: N.T.S.

**GENERAL NOTES**

- ALL BRANCH CIRCUITS UP TO 100'-0" SHALL UTILIZE #12 CONDUCTORS MINIMUM. ALL BRANCH CIRCUITS FROM 101'-0" TO 150'-0" IN LENGTH SHALL UTILIZE #10 CONDUCTORS MINIMUM. ALL BRANCH CIRCUITS 151'-0" UP TO 250'-0" IN LENGTH SHALL UTILIZE #8 CONDUCTORS MINIMUM. CIRCUITS ABOVE 251'-0" SHALL UTILIZE #6 CONDUCTORS MINIMUM.
- ALL LOW VOLTAGE WIRING INCLUDING WIRING FOR MUSIC, PAYS AND SPEAKERS SHALL BE RATED FOR 600 VOLTS MINIMUM IF IN A CONDUIT WITH 120V WIRING.
- THIS PLAN IS FOR WIRING AND SCHEMATIC PURPOSES. DO NOT SCALE THIS PLAN. REFER TO CIVIL SITE PLAN.

- KEYED NOTES**
- 1 LOW VOLTAGE TRANSFORMER FOR LED STALL STARS ALONG EDGE OF UPPER ROOF. TRANSFORMER TO BE ROOF MOUNTED IN WP ENCLOSURE. ELECTRICAL CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH LED INSTALLER. CONNECT A MAXIMUM OF (8) STALL STARS PER TRANSFORMER. SEE ARCHITECTURAL ELEVATIONS FOR EXACT NUMBER OF "STALL STARS" & SHEET SP6.01 FOR TRANSFORMER SPECIFICATION.
  - 2 PROVIDE WP, NEMA 3R, JUNCTION BOX FOR CANOPY SIGN. E.C. TO PROVIDE CONDUIT, WIRING, AND ELECTRICAL CONNECTION. PROVIDE 120V, 1P/20 AMP SWITCH IN ACCESSIBLE LOCATION FOR SIGN DISCONNECT MEANS.
  - 3 NO EXPOSED CONDUIT ALLOWED AT CANOPIES. USE CANOPY PERLINS/COLUMNS AS CHASE AND PROVIDE SEPARATE GROUND WIRE. DO NOT SHARE PERLIN/COLUMN FOR POWER AND DATA. USE SEPARATE PERLIN/COLUMN FOR POWER AND DATA.
  - 4 NOT USED.
  - 5 MOUNT CANOPY LIGHTING FIXTURES TO CANOPY DECK, ALIGN WITH TOP OF CANOPY COLUMNS.
  - 6 CANOPY LIGHTING CIRCUITRY SHALL BE ROUTED UNDERGROUND AND UP INTO COLUMN.
  - 7 1-1/2" CONDUIT UNDERGROUND FOR MENU SPEAKER WIRING.
  - 8 1" CONDUIT UNDERGROUND FOR MENU AND CANOPY LIGHTING.
  - 9 NIGHT LIGHT. CONNECT TO CIRCUIT A5, BYPASS LIGHTING CONTACTOR.
  - 10 CONDUIT U.G. TO JUNCTION BOX FOR SPEAKER WIRE AND MUSIC WIRING. - SEE DETAIL 2/E2.03
  - 11 PHOTO CELL ON ROOF FOR LIGHTING CONTROL.
  - 12 WATER RESISTANT, NEMA 3R, J-BOX AT ENTRY/EXIT SIGN. SEE CIVIL PLANS FOR SITE DETAILS & LOCATIONS. VERIFY QUANTITY AND PROVIDE AS REQUIRED. VERIFY WITH OWNER PRIOR TO INSTALLING CONDUIT.
  - 13 MAINTAIN CONNECTIONS TO EXISTING SIGN TO BE RESURFACED. REPAIR OR REPLACE EXISTING CONNECTIONS AS REQUIRED FOR A FULLY FUNCTIONING SIGN AND PROVIDE NEW CONTROL AS SHOWN ON DETAIL 1/E3.02. CIRCUITING SHOWN FOR REFERENCE ONLY.
  - 14 PROVIDE WP, NEMA 3R, JUNCTION BOX ON ROOF AT BASE OF TOWER FOR EACH TOWER SIGN. E.C. TO PROVIDE CONDUIT, WIRING, AND ELECTRICAL CONNECTION. PROVIDE 120V, 1P/20 AMP SWITCH IN ACCESSIBLE LOCATION FOR SIGN DISCONNECT MEANS.
  - 15 EXISTING POLE LIGHT TO BE REPLACED WITH NEW TYPE "J1" LIGHT FIXTURE. E.C. SHALL PROVIDE A 208V 1Φ LED REPLACEMENT LIGHT AND MUST COORDINATE THE COMPATIBILITY OF THE NEW LIGHT WITH EXISTING POLES AND ELECTRICAL CONNECTIONS. PROVIDE ALL NECESSARY COMPONENTS FOR A COMPLETE INSTALL. MAINTAIN EXISTING CIRCUITING. CIRCUIT SHOWN FOR REFERENCE ONLY.
  - 16 REUSE EXISTING CIRCUITING AND SPEAKER CONDUIT WITH SPEAKER WIRING AND MAKE FINAL CONNECTIONS TO NEW MENU BOARD AND ORDER PEDestal. COORDINATE ALL REQUIREMENTS PRIOR TO ROUGH-IN. PROVIDE NEW CIRCUIT, WIRING, AND CONDUITS AS REQUIRED. CIRCUITING SHOWN FOR REFERENCE ONLY.
  - 17 PROVIDE 2" CONDUIT UNDERGROUND FOR MENU SPEAKER WIRING AS REQUIRED. REUSE EXISTING CONDUITS IF POSSIBLE.
  - 18 PROVIDE 1" CONDUIT U.G. FOR EVERY 15 STALLS.
  - 19 PROVIDE 2" CONDUIT U.G. FOR EVERY 8 STALLS WITH PULL STRING FOR PAYS, MUSIC, & SPEAKER WIRING.
  - 20 NOT USED.
  - 21 NOT USED.
  - 22 TRANSFORMER AND WHIP FOR TOWER LED -COLOR "BLUE"- SUPPLIED WITH TOWER. E.C. TO PROVIDE CONDUIT, WIRING, AND ELEC. CONNECTION.
  - 23 NOT USED.
  - 24 TYPE "P" WALL MOUNTED FLOOD LIGHTS TO ILLUMINATE UNDERSIDE OF TOWER. MOUNT LIGHT TO WALLS OF TOWER.
  - 25 AUTOMATIC LAWN SPRINKLER CONTROLLER. MOUNTED AT 60" A.F.F.. INSTALL 1-1/2" CONDUIT U.G. TO NEAREST LANDSCAPE AREA. WIRING BY OTHERS. REF: LANDSCAPE PLAN, IF PROVIDED. VERIFY EXACT LOCATION.
  - 26 120V, 1PH, 20 AMP GFI RECEPT. FOR AUTOMATIC SPRINKLER CONTROLLER AND HEAT TAPE FOR HOT AND COLD WATER LINES. REFER TO SHEET E2.02 FOR LOCATION & CIRCUIT INFORMATION.

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