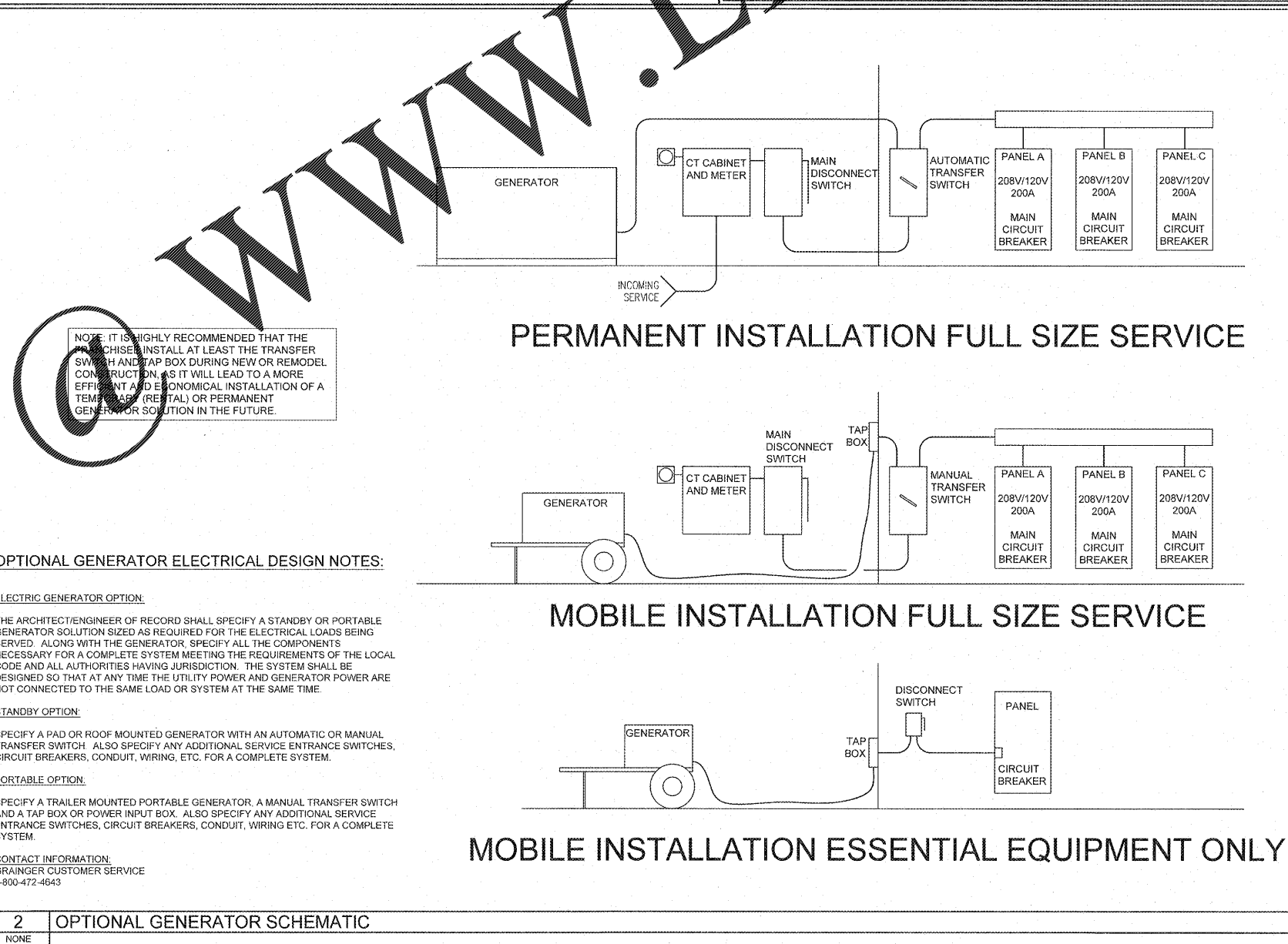


Order Plans



NOTE: IT IS HIGHLY RECOMMENDED THAT THE ARCHITECT/ENGINEER INSTALL AT LEAST THE TRANSFER SWITCH AND TAP BOX DURING NEW OR REMODEL CONSTRUCTION, AS IT WILL LEAD TO A MORE EFFICIENT AND ECONOMICAL INSTALLATION OF A TEMPORARY (RENTAL) OR PERMANENT GENERATOR SOLUTION IN THE FUTURE.

**OPTIONAL GENERATOR ELECTRICAL DESIGN NOTES:**

**ELECTRIC GENERATOR OPTION:**  
 THE ARCHITECT/ENGINEER OF RECORD SHALL SPECIFY A STANDBY OR PORTABLE GENERATOR SOLUTION SIZED AS REQUIRED FOR THE ELECTRICAL LOADS BEING SERVED. ALONG WITH THE GENERATOR, SPECIFY ALL THE COMPONENTS NECESSARY FOR A COMPLETE SYSTEM MEETING THE REQUIREMENTS OF THE LOCAL CODE AND ALL AUTHORITIES HAVING JURISDICTION. THE SYSTEM SHALL BE DESIGNED SO THAT AT ANY TIME THE UTILITY POWER AND GENERATOR POWER ARE NOT CONNECTED TO THE SAME LOAD OR SYSTEM AT THE SAME TIME.

**STANDBY OPTION:**  
 SPECIFY A PAD OR ROOF MOUNTED GENERATOR WITH AN AUTOMATIC OR MANUAL TRANSFER SWITCH. ALSO SPECIFY ANY ADDITIONAL SERVICE ENTRANCE SWITCHES, CIRCUIT BREAKERS, CONDUIT, WIRING, ETC. FOR A COMPLETE SYSTEM.

**PORTABLE OPTION:**  
 SPECIFY A TRAILER MOUNTED PORTABLE GENERATOR, A MANUAL TRANSFER SWITCH AND A TAP BOX OR POWER INPUT BOX. ALSO SPECIFY ANY ADDITIONAL SERVICE ENTRANCE SWITCHES, CIRCUIT BREAKERS, CONDUIT, WIRING ETC. FOR A COMPLETE SYSTEM.

**CONTACT INFORMATION:**  
 GRAINGER CUSTOMER SERVICE  
 1-800-472-4643

2	OPTIONAL GENERATOR SCHEMATIC
NONE	

**ELECTRICAL WIRING METHOD**

A. ALL CONDUIT SHALL BE RUN CONCEALED IN SO FAR AS IS PRACTICABLE. CONDUITS SHALL BE EXPOSED ONLY WHERE SO INDICATED ON THE DRAWINGS OR IN UNFINISHED AREAS SUCH AS ELECTRICAL AND BOILER ROOMS.

B. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS NOTED OTHERWISE ON THE PLANS.

C. RIGID METAL CONDUIT: HOT DIPPED GALVANIZED, MILD STEEL PIPE, ZINC COATED THREADS WITH AN OUTER COATING OF ZINC BICHROMATE, AS MANUFACTURED BY TRIANGLE, REPUBLIC, WHEATLAND OR EQUAL.

D. INTERMEDIATE METAL CONDUIT (IMC): HOT DIPPED GALVANIZED, MILD STEEL PIPE, ZINC COATED THREADS WITH AN OUTER COATING OF ZINC BICHROMATE AS MANUFACTURED BY TRIANGLE, REPUBLIC, WHEATLAND OR EQUAL.

E. FLEXIBLE METAL CONDUIT: GALVANIZED OR ZINC METALIZED STEEL, SINGLE STRIP INTERLOCKED CONSTRUCTION AS MANUFACTURED BY TRIANGLE, ANACONDA, AMERICAN FLEXIBLE CONDUIT, ELECTRIC-FLEX, OR EQUAL.

F. ELECTRIC METALLIC TUBING (EMT): HOT DIPPED GALVANIZED, MILD STEEL TUBE, ZINC COATED, AS MANUFACTURED BY TRIANGLE, REPUBLIC, WHEATLAND OR EQUAL.

G. RIGID NONMETALLIC CONDUIT: SCHEDULE 40 PVC AS MANUFACTURED BY CARLON OR EQUAL.

H. METAL CLAD CABLE: TYPE MC, COPPER CONDUCTOR, 600 VOLT THERMOPLASTIC INSULATION, 90 DEG. C. INTERLOCKED STEEL TAPE ARMOR.

I. ARMORED CABLE: TYPE AC, COPPER CONDUCTOR, 600 VOLT THERMOPLASTIC INSULATION, 90 DEG. C.

J. ANY EXPOSED RACEWAY SHALL BE RUN TRUE, PLUMB AND PARALLEL OR PERPENDICULAR TO BUILDING LINES.

K. ALL CONDUCTORS SHALL BE COPPER.

L. RACEWAYS SHALL BE SEALED WHERE ENTERING PULL BOXES OR STRUCTURES.

M. SINGLE CONDUCTOR CABLES SHALL BE USED FOR FEEDERS AND BRANCH CIRCUIT WIRING (EXCEPT WHERE AC AND MC CABLE IS USED). MINIMUM SIZE WIRE SHALL BE #12 AWG UNLESS OTHERWISE INDICATED AND SHALL BE SIZED TO CONFORM TO NORMAL NEC VOLTAGE DROPS. WIRE SIZES #10 AWG AND SMALLER SHALL BE SOLID, #8 AWG AND LARGER SHALL BE STRANDED.

N. FEEDERS AND BRANCH WIRING IN MOIST OR WET LOCATIONS UNDERGROUND OR UNDER THE SLAB SHALL BE 600 VOLT CODE TYPE THHN-TRAY RACEWAY CIRCUIT WIRING IN DRY LOCATIONS, ABOVE GRADE, IN THE INTERIOR OF THE BUILDING SHALL BE 600 VOLT CODE TYPE THHN-TRAY RACEWAY.

O. WIRING TO EXPOSED FIXTURE AND WET LOCATIONS RACEWAYS SHALL BE TYPE THHN, #12 AWG MINIMUM. EQUIPMENT GROUND, GREEN CONDUCTOR SHALL BE USED.

THESE PLANS ARE CONFIDENTIAL PROPERTY OF DUNKIN' BRANDS, INC. UNLESS OTHERWISE INDICATED. NO OTHER RESTRICTED ACCESS.

**Dunkin' Brands**

PROJECT NO.: 17229

**NRD** national restaurant designers  
 ARCHITECTS & ENGINEERS

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 A Division of LMHT Associates

PROFESSIONAL ENGINEER  
 STATE OF NORTH CAROLINA  
 No. 022228

NO.	DESCRIPTION	DATE	SCALE	DRAWN	CKD	APPD
	SET REVISIONS	3-18-18				
	SHEET REVISIONS					

DD FRESH BREW 1.0  
 DUNKIN' DESIGN GUIDELINES

**ELECTRICAL GENERATOR**

PC NUMBER

**E-4.1**

NOTE: DRAWINGS ARE NOT TO SCALE IF SHEET IS PLOTTED ON 11" x 17"