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.

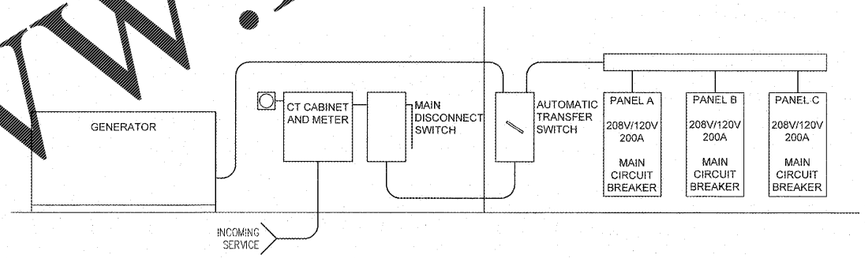
L. RACEWAYS SHALL BE SEALED WHERE ENTERING PULL BOXES OR STRUCTURE.

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 ALL WIRING IN MOIST OR WET LOCATIONS UNDERGROUND OR UNDER THE SLAB SHALL BE 600 VOLT CODE TYPE THHN-THWN. BRANCH CIRCUIT WIRING IN DRY LOCATIONS, ABOVE GRADE, IN THE INTERIOR OF THE BUILDING SHALL BE 600 VOLT CODE TYPE THHN-THWN-2XHHW.

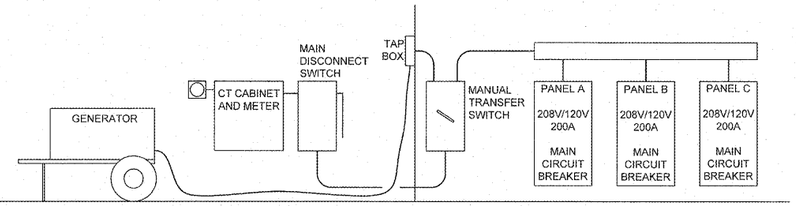
O. WIRING TO RECESSED FIXTURE AND WITHIN FIXTURE RACEWAYS SHALL BE TYPE THHN, #12 AWG MINIMUM.

P. EQUIPMENT GROUND: GREEN CONDUCTOR SHALL BE USED.



PERMANENT INSTALLATION FULL SIZE SERVICE

NOTE: IT IS HIGHLY RECOMMENDED THAT THE FRANCHISEE 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.



MOBILE INSTALLATION FULL SIZE SERVICE

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.

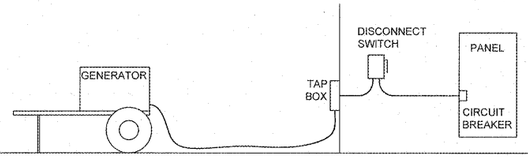
STANDBY OPTION:

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



MOBILE INSTALLATION ESSENTIAL EQUIPMENT ONLY

2	OPTIONAL GENERATOR SCHEMATIC
NONE	

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

THESE PLANS ARE CONFIDENTIAL PROPERTY OF DUNKIN' BRANDS, INC. AND ARE UNDER RESTRICTED ACCESS.

dunkin' brands

PROJECT NO.: 17229

NRD national restaurant design group
ARCHITECTS & ENGINEERS
3005 Carrington Mill Blvd., Morrisville, NC 27560
ph: 919 544 7251 fax: 919 544 9399
A Division of LMHT Associates

COMMONWEALTH OF VIRGINIA PROFESSIONAL ENGINEER
NELSON JAY THERRIEN, JR.
No. 022328

SET REVISIONS NO	DESCRIPTION	DATE
SHEET REVISIONS		

DATE	SCALE	DRAWN	CKD	APPD
3-18-18				

DD FRESH BREW 1.0
DUNKIN DESIGN GUIDELINES

ELECTRICAL
GENERATOR

PC NUMBER

E-4.1

Order Plans @ www.LDLine.com