

GENERAL ELECTRICAL NOTES

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (N.E.C. 2011) AND GOVERNING MUNICIPAL, STATE AND LOCAL CODES. ALL MATERIAL SHALL BE NEW AND SHALL BEAR THE U.L. LABEL WHERE APPLICABLE.
2. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY THE OWNER.
... 28. ALL OUTDOOR RECEPTACLES TO BE GFCI & WEATHER PROOF.

PER FLORIDA BUILDING CODE 2014 ENERGY CONSERVATION:

- 405.7.3 VOLTAGE DROP.
405.7.3.1 FEEDERS AND CUSTOMER OWNED SERVICE CONDUCTORS. FEEDER AND CUSTOMER OWNED SERVICE CONDUCTORS SHALL BE SIZED FOR A MAXIMUM VOLTAGE DROP OF 2 PERCENT AT DESIGN LOAD.
... 405.7.4.2 MANUALS. CONSTRUCTION DOCUMENTS SHALL REQUIRE THAT AN OPERATING MANUAL AND MAINTENANCE MANUAL BE PROVIDED TO THE BUILDING OWNER. THE MANUALS SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING:

- 405.3 TANDEM WIRING (MANDATORY). THE FOLLOWING LUMINAIRES LOCATED WITHIN THE SAME AREA SHALL BE TANDEM WIRED:
1. FLUORESCENT LUMINAIRES EQUIPPED WITH ONE, THREE OR ODD-NUMBERED LAMP CONFIGURATIONS, THAT ARE RECESS-MOUNTED WITHIN 10 FEET (3048 MM) CENTER-TO-CENTER OF EACH OTHER.
... 3. LUMINAIRES WITH NO AVAILABLE PAIR IN THE SAME AREA.

NOTE: THE LIGHTING SPECIFICATIONS WERE SUPPLIED BY OTHERS. CONTRACTOR TO COORDINATE WITH OWNER/OWNER REP OR OWNER'S INTERIOR DESIGNER. VERIFY THAT THE SPECIFICATIONS ON THIS PLAN ARE WHAT THE OWNER ASKED FOR AND PROPERLY WIRE CONTROLS PER MANUFACTURER SPECIFICATIONS.

NOTE: FOR FLUORESCENT LUMINAIRES, PROVIDE DISCONNECTS AS PER NEC 410.130(G).

BRANCH CIRCUIT VOLTAGE DROP
MAXIMUM 3% PER 2014FBC
ENERGY CONSERVATION CODE
SECTION 405.7.3.2

Table with columns: CIRCUIT LOAD IN AMPS, WIRE SIZE COPPER, MAXIMUM LENGTH IN FEET. Rows include 5 AMPS OR LESS (#12 AWG, 180), 6 AMPS (#12 AWG, 150), 7 AMPS (#12 AWG, 130), etc.

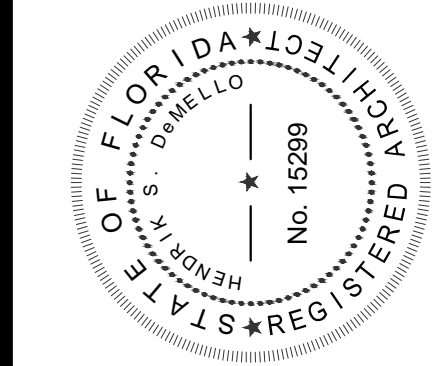
ELECTRICAL NOTES & DETAILS

PANEL-MDP NEMA-3R table with columns: AMPS, POLE, TOTAL VA, COND. SIZE, WIRE SIZE, GRD SIZE, DESCRIPTION, CIRC No., DESCRIPTION, GRD SIZE, WIRE SIZE, COND. SIZE, TOTAL VA, POLE, AMPS. Includes sub-totals for VA and TOTAL LOAD.

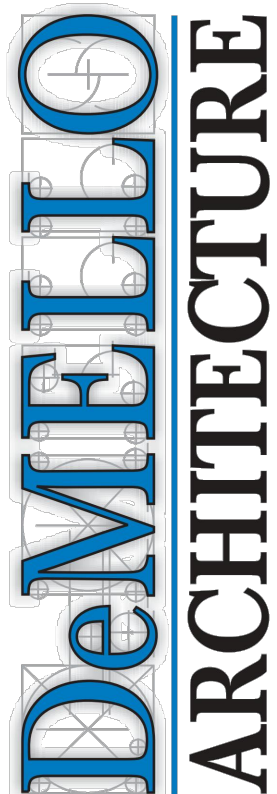
PANEL-MDP DEMAND LOAD CALCULATIONS table with columns: CATEGORY, LOAD VALUE, PERCENTAGE, VA. Includes items like RECEPT. 1st 10,000 VA @ 100%, REST @ 50%, LIGHTING LOAD @ 125%, etc.

* NON SIMULTANEOUS LOAD

VERIFY ALL EQUIPMENT LOAD AND BREAKER AND WIRE SIZES PRIOR TO INSTALLATIONS



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SECOND FLOOR ADDITION FOR



455 U.S. HIGHWAY #1 DEERFIELD BEACH, FL.

drawing name:

revisions

Table with columns: field, value. Includes entries for designed (H. DeMello), drawn (H. DeMello), date (AUG. 21, 2015), scale (AS SHOWN), project # (15.138), sheet.

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SEAL
DATE: _____