



STARBUCKS®
2401 UTAH AVENUE SOUTH
SEATTLE, WASHINGTON 98134
(206) 318-1575

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Design Forum Architects Inc.
2555 Byers Rd
Miami, OH 45342
Tel: (644) 804-7700

Design Forum Engineering
2555 Byers Rd
Miami, OH 45342
Tel: (644) 804-7700

Donald J. Rathman
Architect in Charge
License: AR0017303

Design Forum Engineering
Timothy L. Harward, P.E.
Professional Engineer
License: 62078

PROJECT NAME: HARDEN & POLK
PROJECT ADDRESS: 1310 LAKESIDE VILLAGE CIR LAKELAND, FL 33803

STORE #: 2965
PROJECT #: 21120-060
ISSUE DATE: 08/10/2020
DESIGNER: RAI MONTERO
PRODUCTION DESIGNER: PAUL HARLOR
CHECKED BY: RAI MONTERO

Revision Schedule
Rev Date Description

SHEET TITLE: PANELBOARD SCHEDULES
SCALE: AS SHOWN
SHEET NUMBER: E-601

FOR CONSTRUCTION

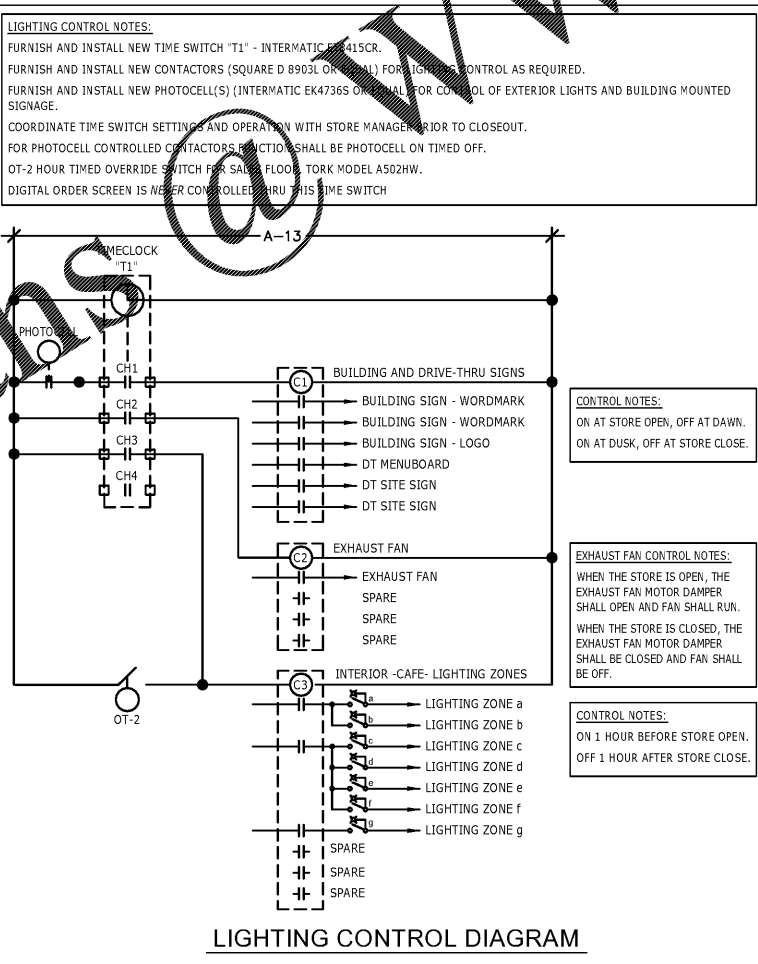
Table A (EXIST) showing electrical panel schedule with columns for room, mounting, volts, bus amps, AIC existing, and kVA load by phase (A, B, C). Includes summary rows for total connected kVA and balanced three phase amps (314).

Table B (EXIST) showing electrical panel schedule similar to Table A, with summary rows for total connected kVA and balanced three phase amps (180).

PROVIDE ARC-FLASH HAZARD WARNINGS TO METER ENCLOSURES, PANELBOARDS, DISCONNECTING MEANS, ETC PER NEC 110.16 AND 110.21(B).

Table with 4 columns: AMP, FEEDER SIZE, GROUND, CONDUIT. Lists requirements for various amp ratings from 15 to 100.

NOTES: 1. ALL CONDUCTORS SHALL BE COPPER. 2. ALL CONDUIT SHALL HAVE EQUIPMENT GROUNDING CONDUCTOR INSTALLED. 3. CONDUIT BELOW GRADE OUTSIDE OF BUILDING SHALL BE 1" MINIMUM. 4. SIZING OF CONDUCTORS SHALL BE ALTERED FOR DERATING PER N.E.C. OR VOLTAGE DROP CONSIDERATIONS. 5. SEE RISER DIAGRAM FOR SIZING OF CIRCUITS GREATER THAN 100A. 6. USE #10 AWG, COPPER CONDUCTORS FOR 20 AMPERE, 120 VOLT BRANCH CIRCUITS LONGER THAN 75 FEET. USE #10 AWG, COPPER CONDUCTORS FOR 20 AMPERE, 277 VOLT BRANCH CIRCUITS LONGER THAN 200 FEET. WHERE WIRE SIZE IS INCREASED IN SIZE FOR VOLTAGE DROP, EQUIPMENT GROUND SHALL BE INCREASED TO THE MANUFACTURER'S STANDARD SIZE FOR CONDUCTORS UTILIZED. 7. WHERE MC CABLE SHALL BE USED BY AUTHORITY HAVING JURISDICTION THE CONDUCTORS FOR MC CABLE SHALL BE THHN, JACKET SHALL BE THE MANUFACTURER'S STANDARD SIZE FOR CONDUCTORS UTILIZED.



GROUND FAULT PROTECTION NOTES: PROVIDE GFCI PROTECTION AS REQUIRED BY NEC 210.8. CIRCUITS REQUIRING GFCI PROTECTION IDENTIFIED WITH * ON PANEL SCHEDULES. ABOVE-COUNTER RECEPTACLES THAT ARE READILY ACCESSIBLE AND WITHIN REACH OF PARTNERS SHALL BE GFCI TYPE. BELOW-COUNTER RECEPTACLES, OR RECEPTACLES THAT ARE DIFFICULT TO REACH OR REQUIRE MOVING EQUIPMENT TO RESET, AND ARE NOT READILY ACCESSIBLE SHALL BE PROTECTED BY GFCI CIRCUIT BREAKERS. WHERE THE AVAILABLE SHORT CIRCUIT CURRENT EXCEEDS 22,000 AMPS AT THE PANELBOARD, CONTACT CIRCUIT BREAKER MANUFACTURER AND PROVIDE GFCI TYPE CIRCUIT BREAKER THAT SERIES RATES WITH PANEL OVER CURRENT PROTECTION IF AVAILABLE. WHERE THE AVAILABLE SHORT CIRCUIT CURRENT EXCEEDS 22,000 AMPS AT THE PANELBOARD, AND GFCI BREAKERS ARE NOT AVAILABLE, PROVIDE DEAD-FRONT GFCIS (IN A READILY ACCESSIBLE LOCATION) TO SERVE RECEPTACLES THAT ARE NOT READILY ACCESSIBLE.

CLOSE-OUT NOTES: A. WITHIN 30 DAYS OF DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED TO THE BUILDING OWNER. RECORD DRAWINGS SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING: 1. A SINGLE-LINE DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM. 2. FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION. B. UPON COMPLETION OF PROJECT, PROVIDE OPERATION AND MAINTENANCE MANUALS TO OWNER. THE MANUALS SHALL CONTAIN, AT A MINIMUM, THE FOLLOWING INFORMATION: 1. SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. 2. OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED. 3. NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY. C. PRIOR TO PASSING FINAL INSPECTION, THE CONTRACTOR SHALL PROVIDE EVIDENCE THAT THE LIGHTING CONTROL SYSTEMS HAVE BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE TO THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS.

PROVIDE THE FOLLOWING QUANTITIES:
1 POLE CIRCUIT - 1 HOT, 1 NEUTRAL, 1 GROUND
2 POLE 2W CIRCUIT - 2 HOT, 1 GROUND
2 POLE 3W CIRCUIT - 2 HOT, 1 NEUTRAL, 1 GROUND
3 POLE 3W CIRCUIT - 3 HOT, 1 GROUND
1 POLE IG CIRCUIT - 1 HOT, 1 NEUTRAL, 1 GROUND, 1 ISOLATED GROUND.

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