

LMHT ENGINEER LICENSE NUMBER - C-1069

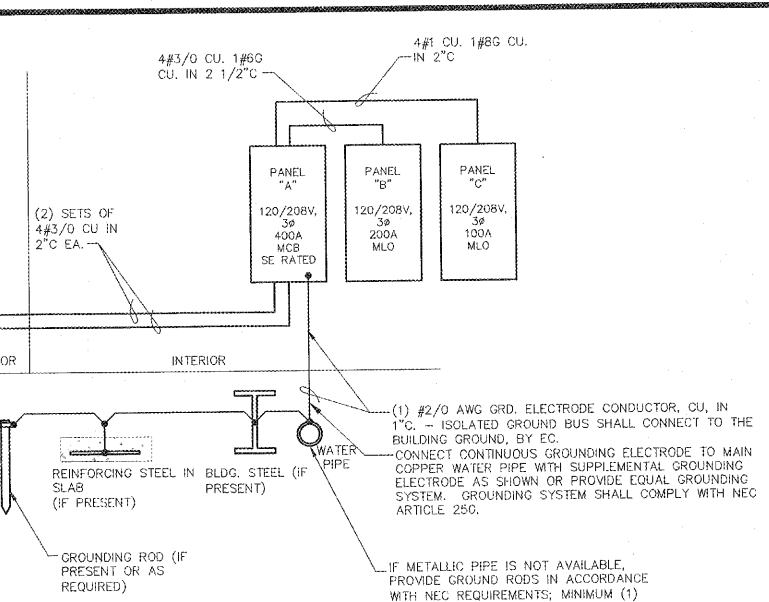
PROJECT: STARBUCKS SHELL BUILDING
350 BLOWING ROCK BOULEVARD
LENOIR, NC 28645
DRAWING: ELECTRICAL NOTES, SCHEDULE, LEGENDS AND RISER

Revisions table with columns for revision number, date, and description. Includes project date 03/26/2019 and sheet number E001.

CEILING LEGEND table with columns for SYMBOL and DESCRIPTION. Includes items like CANOPY LIGHT, EXTERIOR UP/DOWN WALL SCONES, EXTERIOR WALL PACK, etc.

POWER LEGEND table with columns for SYMBOL and DESCRIPTION. Includes items like HOME RUN TO PANEL, DISCONNECT SWITCH, JUNCTION BOX, etc.

- GENERAL NOTES 1-24: CONTRACTOR INSTRUCTIONS ON SHEET 6001 APPLY TO ALL TRADES... ANY CIRCUITS SHOWN ON ELECTRICAL PLANS ARE DIAGRAMMATIC... INSTALLATION SHALL COMPLY WITH NATIONAL ELECTRICAL CODE... ALL WIRING SHALL BE CONCEALED IN WALLS, UNDER SLAB OR ABOVE UNOCCUPIED CEILING SPACE...



1 E001 ELECTRICAL POWER RISER N.T.S.

- PANELBOARD FEEDER NOTES: 1. INSTALL IN EACH CONDUIT RUN A CODE-SIZED GROUNDING CONDUCTOR... 2. CONDUIT MATERIAL: A. LESS THAN 2" AND ABOVE GROUND, DRY LOCATIONS: EMT... 3. COLOR CODE ALL CONDUCTORS... 4. E.C. SHALL VERIFY THAT ALL SERVICE GROUNDS ARE TIED TOGETHER...

- GENERAL NOTES-PANELS: 1. ANY DEVIATIONS FROM THE DESIGN PLANS SHALL ONLY BE PERFORMED IF APPROVED BY THE OWNER'S REPRESENTATIVE... 2. ALL CIRCUIT BREAKERS IN PANEL SHALL BE SERIES RATED... 3. E.C. SHALL RE-LABEL ALL ELECTRICAL PANELS CORRECTLY... 4. E.C. SHALL PROVIDE ALL ELECTRICAL PANELS WITH ARC-FLASH WARNING LABELS... 5. E.C. SHALL PROVIDE AND INSTALL PLACARDS ON EACH PANEL... 6. CIRCUIT BREAKERS FOR MULTI-CONDUCTOR CIRCUITS SHALL HAVE A COMMON TRIP... 7. PANEL PLACARDS ARE TO BE MADE FROM LAMINATED PLASTIC... 8. E.C. SHALL PROVIDE PERMANENT LABEL ON FRONT EXTERIOR OF PANEL... 9. E.C. SHALL BALANCE THE LOADS PER PHASE WITHIN 3%...

FAULT CURRENT CALCULATIONS

Table with columns: From, To, Parallel, Length, Voltage, Wire Type, Wire Size, Conduit Type, C*, SCA-leg, SCA-end. Includes transformer data and short circuit current through each cable segment.

FAULT CURRENT CALCULATION NOTES: E.C. SHALL PROVIDE A TESTED SERIES RATED DISTRIBUTION SYSTEM CAPABLE OF WITHSTANDING THE ACTUAL AVAILABLE FAULT CURRENT... CONSULT DESIGN ENGINEER AS NEEDED.

Panel A load schedule table with columns: CKT #, DESCRIPTION, BREAKER, LOAD (KVA), A, B, C, LOAD (KVA), BREAKER, NOTE, DESCRIPTION, CKT #. Includes a summary table for Panel A: TOTAL KVA 43.7, TOTAL AMPS 121.

Panel B load schedule table with columns: CKT #, DESCRIPTION, BREAKER, LOAD (KVA), A, B, C, LOAD (KVA), BREAKER, NOTE, DESCRIPTION, CKT #. Includes a summary table for Panel B: TOTAL KVA 0.0, TOTAL AMPS 0.

Panel C load schedule table with columns: CKT #, DESCRIPTION, BREAKER, LOAD (KVA), A, B, C, LOAD (KVA), BREAKER, NOTE, DESCRIPTION, CKT #. Includes a summary table for Panel C: TOTAL KVA 4.6, TOTAL AMPS 13.

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