

SEAL:

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09/03/2020

1 84-2720 PEER COMMENTS
NO. DATE REMARKS

REVISIONS



**7-ELEVEN
STORE #41559**

1245 S. VOLUSIA AVENUE
Orlando City, FL 32763

PROJECT NO: 2019.0743
DATE: APRIL 7, 2020

E1.0

ELECTRICAL FLOOR PLAN

CHECKED: - DRAWN: M.M

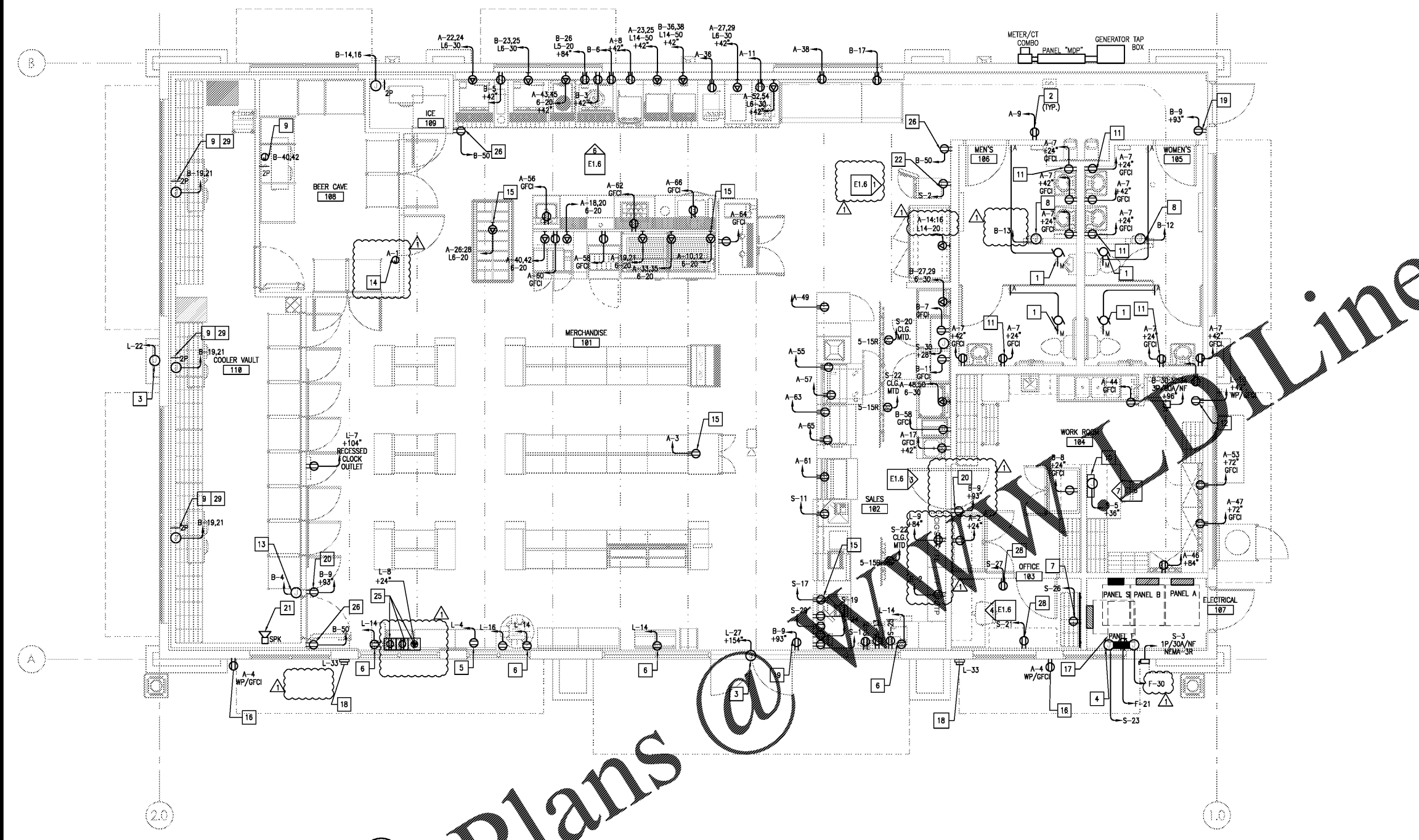
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KEYED NOTES

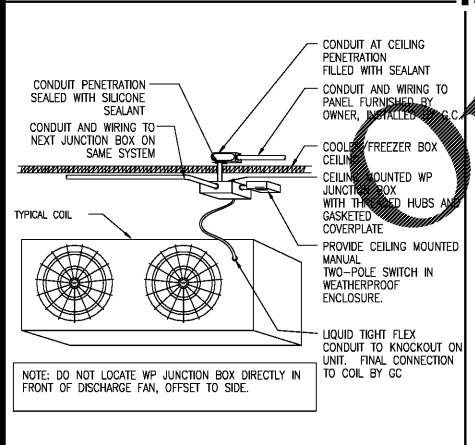
- EXHAUST FAN SWITCH FAN WITH RESTROOM LIGHTS. REFER TO E2.0 FOR CIRCUIT INFORMATION.
- DEVICES SHALL BE NEMA 5-20 UNLESS NOTED OTHERWISE. TYP OF 120V-20A CIRCUITS.
- EXTERIOR SIGNAGE J-BOX. COORDINATE FINAL LOCATION WITH SIGNAGE CONTRACTOR AND CONSTRUCTION MANAGER. RUN EXTERIOR BUILDING SIGNS THROUGH PHOTOCELL DRIVEN CONTACTOR. PROVIDE PAD-LOCKABLE BREAKER FOR MAINTENANCE.
- ENERGY MANAGEMENT ENCLOSURE PROVIDED BY OTHERS. PROVIDE 120V DEDICATED CIRCUIT ONLY.
- RECEPTACLE FOR ATM SIGN. VERIFY LOCATION WITH CONSTRUCTION MANAGER PRIOR TO COMMENCEMENT OF WORK.
- SHOW WINDOW RECEPTABLES, MOUNT FLUSH IN CEILING, TYP. PER NEC.
- TELEPHONE BOARD: 4"x4"x3/4" WOOD WITH (1) #8 CU. PER TELE. CO. REQUIREMENTS. MOUNT RECEPTABLE ADJACENT TO OR ABOVE TELEPHONE BOARD, DO NOT MOUNT BELOW.
- PROVIDE PAD-LOCKABLE BREAKER FOR MAINTENANCE PER N.E.C. 422.31(B). COORDINATE EXACT LOCATION OF ELECTRICAL OUTLET WITH CONSTRUCTION MANAGER PRIOR TO FINISH-IN.
- REFER TO GENERATOR COIL WIRING DETAIL, RE: 3/E1.0, TYP.
- VEEDER ROOT: COORDINATE INSTALLATION WITH FUTURE FUELING PLANS. INSTALL IN ACCESSIBLE LOCATION. MOUNT AT 48" A.F.F. TO BOTTOM.
- RECEPTACLE FOR MOTION SENSOR FAUCET. REFER TO ARCHITECTURAL SHEETS FOR EXACT ROUGH-IN LOCATIONS, TYP.
- RECEPTACLE FOR WATER FILTRATION BOOSTER PUMP, E.C. TO INSTALL WATER-RESISTANT, "WHILE-IN-USE" COVER.
- E.C. TO PROVIDE WIRING FOR WALK IN COOLER DOOR HEATERS AND DOOR FRAMES AND CONNECT TO MANUFACTURER SUPPLIED JUNCTION BOX(ES).
- E.C. TO INSTALL WATERPROOF J BOX FOR RAYCHEM HEAT TRACE WHICH SUPPLIES FREEZE PROTECTION FOR FREEZER CONDENSATE LINE. FURNISH HEATER TRACE AND PROVIDE GFI-EPD CIRCUIT BREAKER AND INSTALL PER MANUFACTURER'S REQUIREMENTS. REFER TO ELECTRICAL SPECIFICATIONS.
- ROUTE CIRCUITRY FOR EQUIPMENT UNDER SLAB, RE: 1/E1.2
- SERVICE RECEPTACLE, WEATHERPROOF GFCI.
- VERIFY ON GAS PLANS SHEET G1.0 FOR PANEL "F" CONDUIT ROUTING.
- EMERGENCY GAS SHUT-OFF @ 48" A.F.F.
- TRANSMITTER RECEPTACLE, G.C. TO PROVIDE MR. CHIME ENTRANCE ALERT TRANSMITTER (DATA-C). CONTACT MR. CHIME AT 877-672-4463.
- RECEIVER RECEPTACLE, G.C. TO PROVIDE MR. CHIME RECEIVER (DARD).
- INSTALL WEATHERPROOF SPEAKER, G.C. TO PROVIDE MR. CHIME SPEAKER (SPK) MOUNT ON WALL IN WALK IN COOLER AND CONNECT TO NEAREST RECEIVER OUTSIDE OF COOLER.
- ISOLATED GROUND (IG) 20 AMP CIRCUIT FOR ATM, FLUSH MOUNT DUPLEX FACE PLATE WITH ORANGE RECEPTACLE. REFER TO 1/E1.6 FOR MOUNTING DETAIL.
- GUTTER LOOPS - ROUTING OF ALL WIRING THROUGH GUTTER AND BETWEEN PANELS AND OTHER WIRING DEVICES.
- NOT USED.
- E.C. TO MAINTAIN 2" SPACING BETWEEN RECEPTABLES FOR STAND UP LOTTO MACHINE.
- RECEPTACLE FOR SPEAKER TO BE FLUSH MOUNTED DIRECTLY BEHIND SPEAKER. VERIFY EXACT HEIGHT AND LOCATION WITH ARCHITECTURAL DRAWINGS. INSTALLER TO HIDE POWER CABLE BEHIND THE SPEAKER USING CABLE TIES.
- WIRE WAY TO COMPLY WITH WIREWAY SIZE, NUMBER OF CONDUCTORS, AND REDUCTION FACTOR PER NEC 376.22(A&B).
- RECEPTACLE TO BE CONTROLLED BY OCCUPANCY SENSOR. FOR MORE INFORMATION REFER TO 7/E1.5
- PROVIDE 2P MOTOR RATED SWITCH IN WEATHER PROOF BOX.

GENERAL NOTES

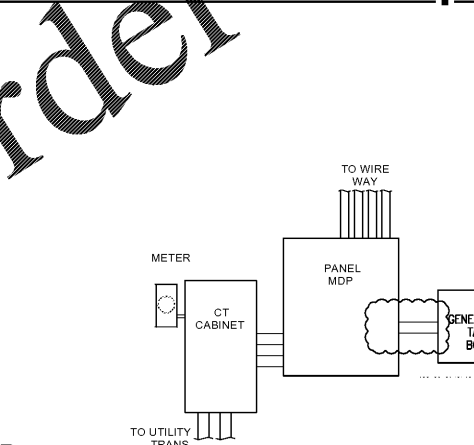
- ALL RECEPTABLES SERVED FROM PANEL "S" SHALL BE OF THE ISOLATED GROUND TYPE. ALL CIRCUITS SHALL CONTAIN A HOT, NEUTRAL, GROUND AND ISOLATED GROUND CONDUCTOR.
- AMPACITY OF ALL CONDUCTOR SIZES SHOWN ON PLANS IS BASED ON 75°C RATED TERMINATIONS AND CONDUCTOR INSULATION. CONTRACTOR SHALL FIELD VERIFY EQUIPMENT TEMPERATURE RATINGS OF ALL TERMINATIONS AND ADJUST CONDUCTOR SIZES PER NEC 110.14(C).
- ALL WIRING IS COPPER. REFER TO ELECTRICAL SPECIFICATIONS FOR FURTHER INFORMATION.
- ALL WALL MOUNTED RECEPTABLES SHALL BE 18" A.F.F ON CENTER. UNLESS NOTED OTHERWISE.
- FURNISH AND INSTALL CORD AND CAP FOR ALL EQUIPMENT CONNECTED TO NEMA 114R RECEPTACLE.
- G.C. TO COORDINATE POWER REQUIREMENTS FOR EXTERIOR SIGNAGE.
- THE UNGROUNDED AND GROUNDED CONDUCTORS OF EACH MULTIWIRE BRANCH CIRCUIT SHALL BE GROUPED BY WIRE TIES OR SIMILAR MEANS IN AT LEAST ONE LOCATION WITHIN THE PANELBOARD OR OTHER POINT OF ORIGIN. REF 2014 NEC (210.4(D)).
- EACH MULTIWIRE BRANCH CIRCUIT SHALL BE PROVIDED WITH A MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUITS ORIGINATES. REF 2014 NEC (210.4)
- CONDUITS THAT ARE EXPOSED TO WIDELY DIFFERENT TEMPERATURES, SUCH AS COOLERS, FREEZERS OR SERVICE ENTRANCE CONDUITS, SHALL BE SEALED TO PREVENT CIRCULATION OF AIR AND/OR MOISTURE. REF 2014 NEC (300.7 (A))
- CONDUIT AND WIRING IN AREAS WHERE EXPOSED SHALL BE ROUTED AT 90 DEGREE ANGLES PERPENDICULAR OR PARALLEL TO JOISTS. COORDINATE PAINTING OF CONDUIT WITH ARCHITECTURAL FINISHES.
- ALL 125V, SINGLE PHASE 15 AMP AND 20 AMP RATED RECEPTABLES INSTALLED IN THE LOCATIONS SPECIFIED IN NECART 210.8 (B)(1) - (B) SHALL HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION.
- ADDITIONAL POWER CIRCUITS ARE INDICATED IN ELEVATION DETAILS INCLUDED ON E1.6
- MONEY ORDER AND LOTTO CORDS TO BE RAN IN SAME GROMMET
- THERE SHALL BE NO RECEPTABLES INSTALLED UNDER THE LOTTO SCRATCH UP AREA.



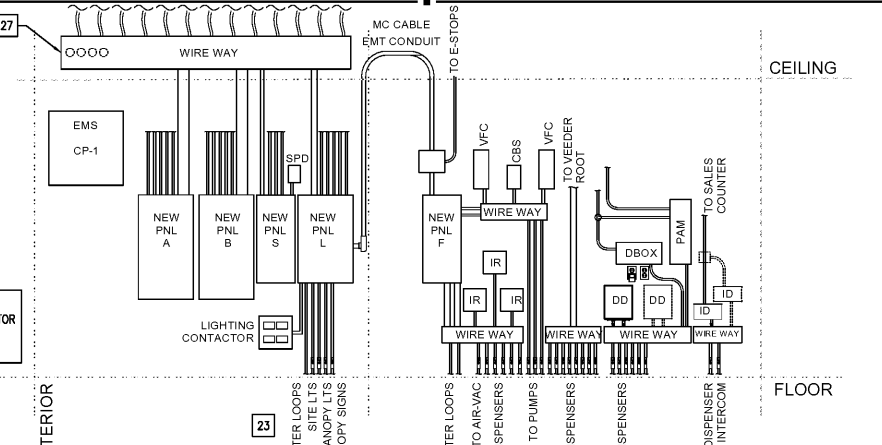
1 ELECTRICAL POWER PLAN
1/4" = 1'-0"



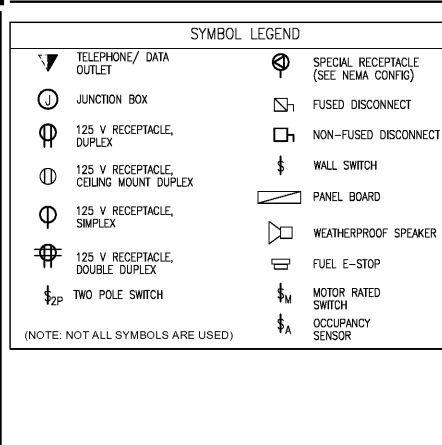
3 EVAPORATOR COIL WIRING



2 PANELBOARD ELEVATION



INTERIOR



CEILING
FLOOR

P:\17\17000\01010 - 7-Eleven - Volusia Ave @ Florida Mall\AEC - Change City - A13 CAD & Drawings\Construction Documents\20190709 E1.0.dwg ELECTRICAL E1.000E (A13) 09/03/2020 2:42:27 PM LMBRIS, James\A13.dwg (General Documentation) 1:51 A13.dwg (E1.000) 1:51