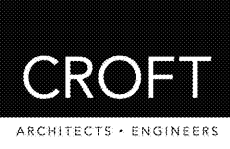


THIS SHEET PLOTS ON 22" x 34" ANSIC D 0 1/2" = 1"

C:\Users\Rodney\Documents\2019-106 Paulding Fire Station #12\_mark@croftae.com.rvt  
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OWNER  
**PAULDING COUNTY BOARD OF COMMISSIONERS**

Project Name  
**FIRE STATION #12  
 1303 SPRING ROAD  
 DALLAS,  
 GA. 30132**

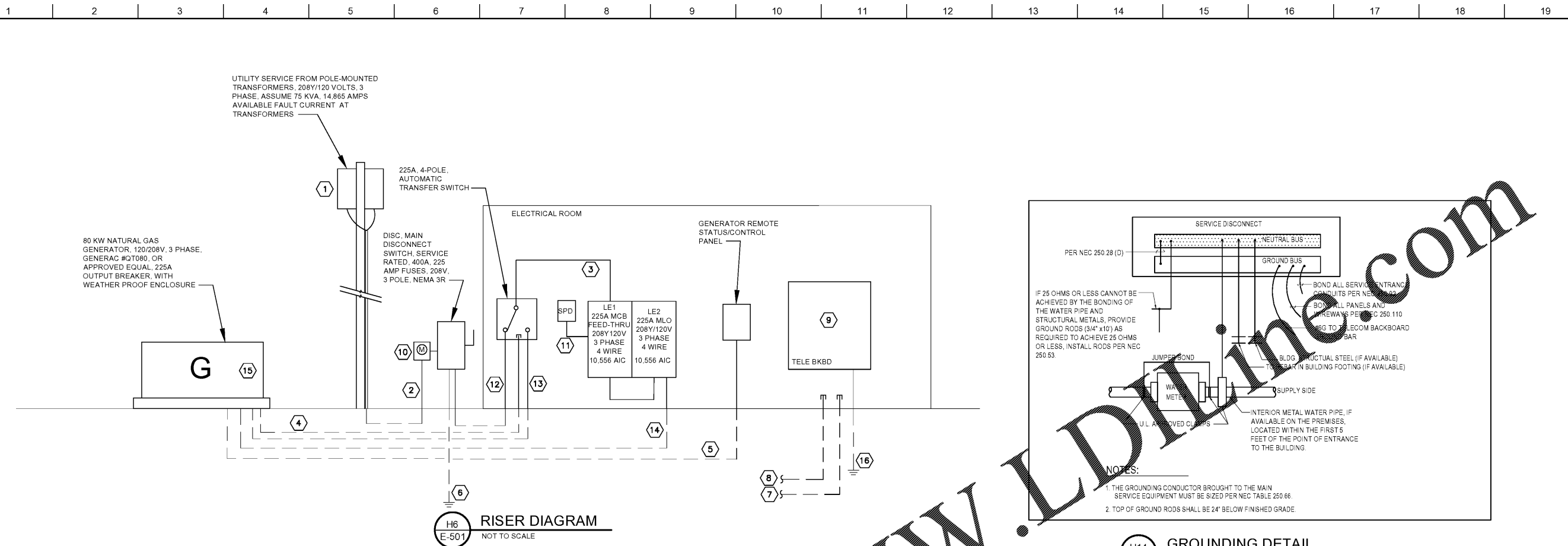
0	2019-08-13	PERMIT ISSUE
B	2019-07-10	95% REVIEW SET
A	2019-05-23	SCHEMATIC DESIGN REVIEW
No.	Date	Description
ISSUANCE		

PROJECT NUMBER  
**2019-106**

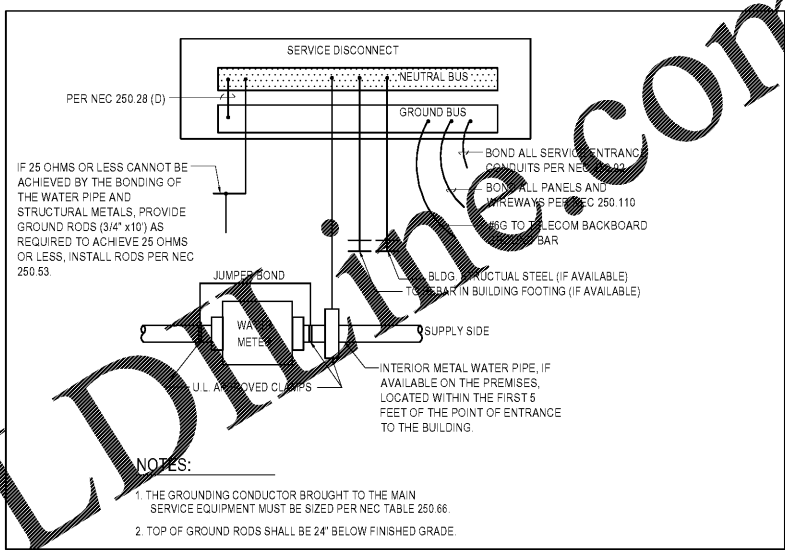
DRAWN: LRJ/RGL CHECKED: JKM

SHEET TITLE  
**ELECTRICAL SCHEDULES AND DETAILS**  
 SHEET NO.

**E-501**



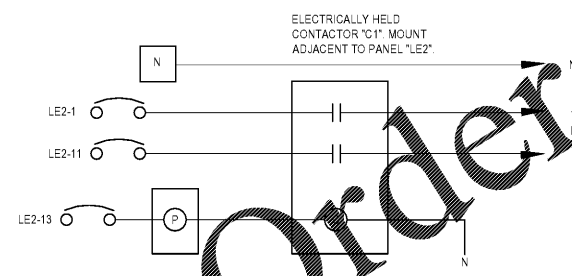
**H6 E-501**  
**RISER DIAGRAM**  
 NOT TO SCALE



**H14 E-501**  
**GROUNDING DETAIL**  
 NOT TO SCALE

- GENERAL RISER NOTES**
- CONTRACTOR TO MARK ALL EMPTY CONDUITS AND SLEEVES WITH IDENTIFICATION TAGS AND LOCATION SERVED FROM.
  - ALL FUSES TO BE UL SERIES RATED WITH SPECIFIC DOWNSTREAM BREAKERS. CONTRACTOR SHALL SUBMIT INFORMATION WITH SHOP DRAWINGS FOR ENGINEER'S REVIEW.
  - CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE NEW ELECTRICAL EQUIPMENT IN BUILDING AND SHALL MAINTAIN WORKING CLEARANCES.
  - PROVIDE FAULT CURRENT SIGN ON ALL NEW EQUIPMENT PER NEC 110.24.
  - MARK ALL PANELS TO INDICATE WHERE THE POWER SUPPLY ORIGINATES PER NEC 408.4(B).
  - ALL PANELS ARE 42 POLES UNLESS NOTED OTHERWISE.
  - REFER TO PANELBOARD SCHEDULES FOR ADDITIONAL INFORMATION.
  - ALL CONDUCTORS SHOWN ON THE POWER RISER SHALL BE COPPER UNLESS OTHERWISE NOTED.

- POWER RISER DIAGRAM KEY NOTES**
- COORDINATE WITH POWER COMPANY FOR NEW CONNECTIONS TO NEW POLE-MOUNTED TRANSFORMERS AND FEEDER ROUTING FROM TRANSFORMERS TO SERVICE DISCONNECT.
  - SERVICE FEEDER FROM TRANSFORMERS TO SERVICE DISCONNECT BY POWER COMPANY.
  - FEEDER TO PANEL "LE1" (4 #4/0, 1 #4G - 2 1/2" C).
  - 1" SIGNAL CONDUIT FOR GENERATOR START SIGNAL.
  - 1" SIGNAL CONDUIT FOR GENERATOR STATUS/CONTROL WIRING.
  - SERVICE GROUND. SEE GROUNDING DETAIL H14/E501.
  - PROVIDE (2) 4" PVC WITH PULL STRINGS FROM TELEPHONE COMPANY DEMARCATION POINT.
  - PROVIDE (2) 4" PVC WITH PULL STRINGS FROM CABLE TV DEMARCATION POINT, IF REQUIRED.
  - PROVIDE 4' BY 8' BY 1/2" PLYWOOD BACKBOARD FOR TELECOM EQUIPMENT.
  - METER AND BASE PER POWER COMPANY REQUIREMENTS.
  - PROVIDE #6, 1 #10G - 1" C. FOR SURGE PROTECTION DEVICE (SQUARE D #SSP02EMA12D, OR EQUIV).
  - NORMAL POWER FEED TO A.T.S. (4 #4/0, 1 #4G - 2 1/2" C).
  - GENERATOR FEED TO A.T.S. (4 #4/0, 1 #4G - 2 1/2" C).
  - PROVIDE CIRCUIT FOR GENERATOR BATTERY CHARGER (2 #10, 1 #10G - 3/4" C.) COORDINATE WITH GENERATOR MANUFACTURER FOR EXACT ELECTRICAL REQUIREMENTS.
  - PROVIDE 80 KW NATURAL GAS GENERATOR, GENERAC #QT080, OR APPROVED EQUAL. GENERATOR SHALL BE EQUIPPED WITH AN INTEGRAL 225A OUTPUT BREAKER, OPERATING VOLTAGE SHALL BE 208Y/120V, 3 PHASE, 4 WIRE. STARTUP SHALL NOT EXCEED 10 SECONDS UPON LOSS OF UTILITY POWER.
  - #6 INSULATED GREEN GROUND WIRE TO SERVICE GROUND BAR.



**B3 E-501**  
**CONTACTOR "C1" WIRING DIAGRAM**  
 NOT TO SCALE