

No.	Date	Description
1	03/19/21	Owner Comments

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ASI / RFI Revisions  
 No. Date Description

**Borough 33**  
 an Apartment Community by  
 33 Broad MF, LLC  
 in Chattanooga, Tennessee



Drawing Title:  
 Electrical Riser Diagrams  
 Building 3, Clubhouse  
 and Garages

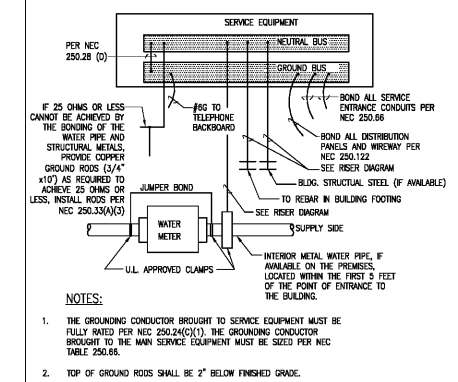
**E5.2**

**GENERAL NOTES**

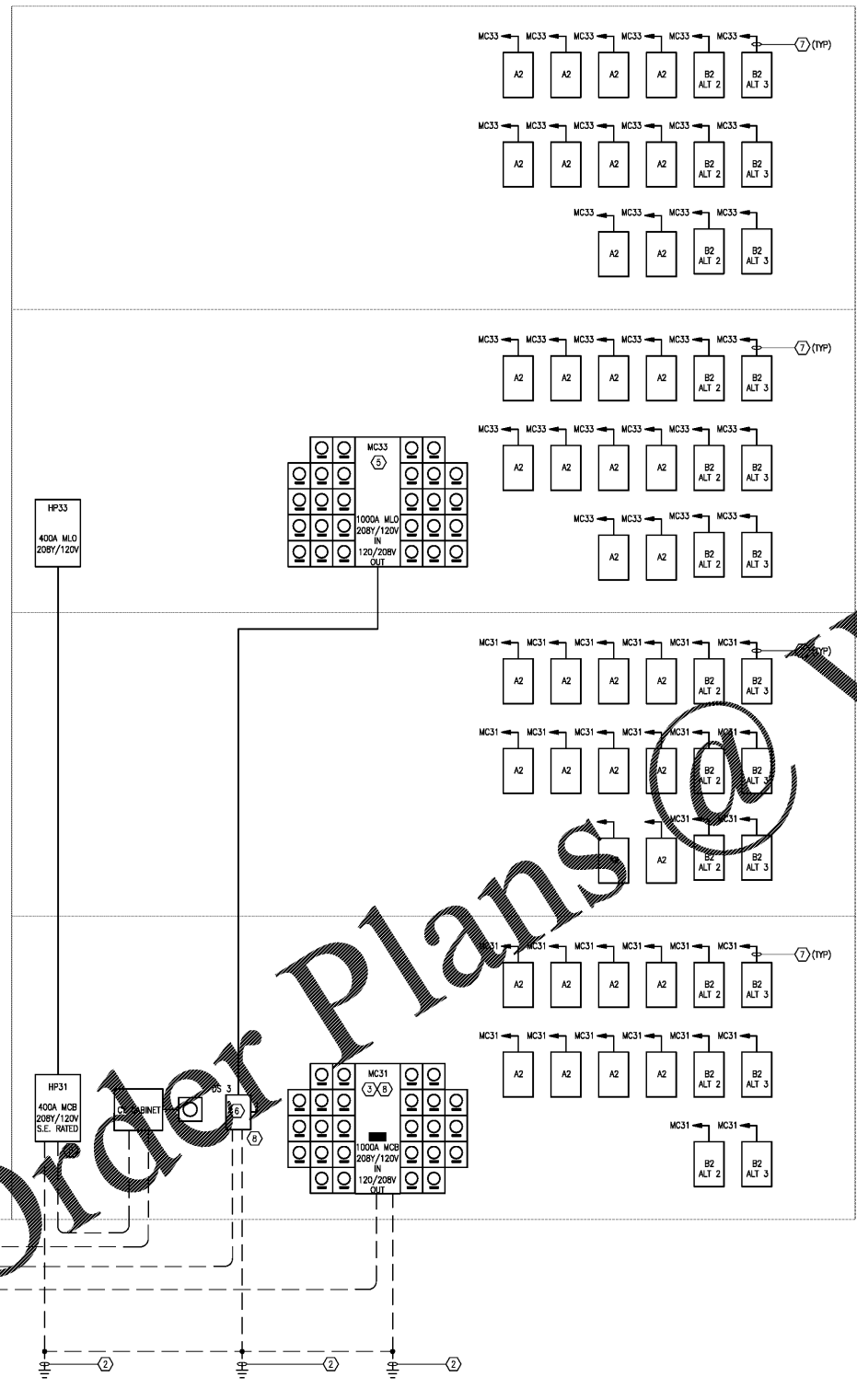
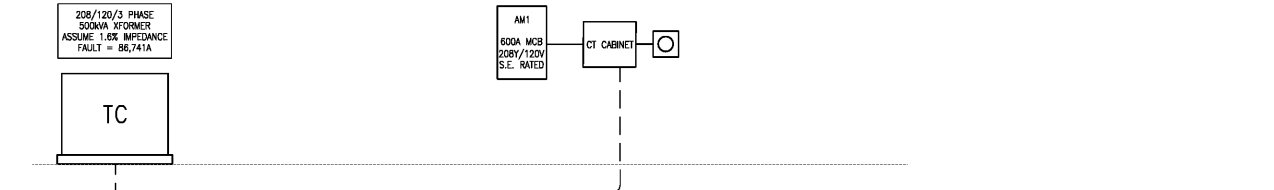
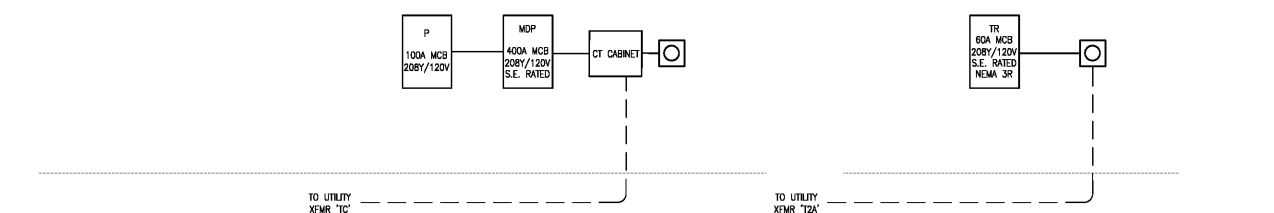
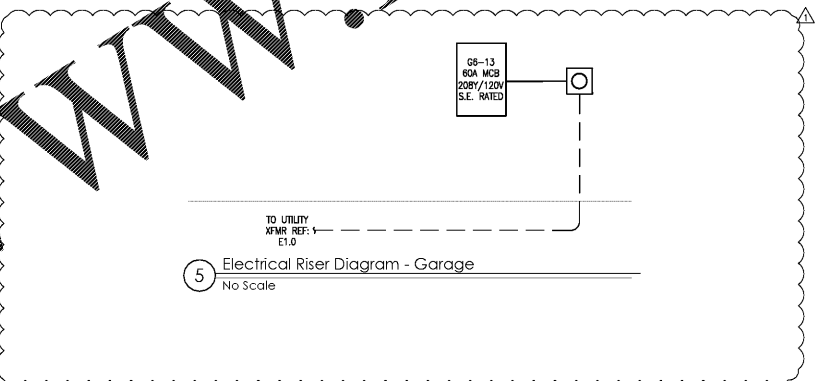
- ALL FUSES TO BE UL SERIES RATED WITH SPECIFIC DOWNSTREAM BREAKERS. CONTRACTOR SHALL SUBMIT INFORMATION WITH SHOP DRAWINGS FOR ENGINEER'S REVIEW.
- ELECTRICAL ROOM LAYOUT IS BASED ON SIEMENS EQUIPMENT. IF EQUIPMENT OTHER THAN SIEMENS IS UTILIZED, CONTRACTOR SHALL BE RESPONSIBLE TO MAKE EQUIPMENT FIT IN ROOM AND MAINTAIN WORKING CLEARANCES.
- BOND ALL SERVICE GROUNDS TOGETHER THAT ARE FED FROM THE SAME SERVICE TRANSFORMER.
- PROVIDE FAULT CURRENT SIGN ON ALL GEAR PER NEC 110.24
- PROVIDE GRAPHIC PLAQUE, INDICATING OTHER SERVICE LOCATIONS. MOUNT IN EACH ELECTRICAL ROOM NEAR SERVICE ENTRANCE EQUIPMENT.
- MARK ALL PANELS AND LOAD CENTERS TO INDICATE WHERE THE POWER SUPPLY ORIGINATES PER NEC 408.4(B)
- ALL ALUMINUM CONDUCTORS SHALL BE COMPACT TYPE AND PROVIDE ANTIOXIDANT PASTE ON ALL ALUMINUM CONDUCTORS AT TERMINATION POINTS.
- CONTRACTOR TO COORDINATE WITH POWER COMPANY, PRIOR TO ANY WORK, AND OBTAIN REQUIREMENTS FOR ELECTRICAL SERVICE. CONTRACTOR TO PROVIDE POWER COMPANY LOAD FORMS, INCLUDING ALL ASSOCIATED DOCUMENTS REQUIRED BY THE POWER COMPANY, TO THE APPROPRIATE POWER COMPANY REPRESENTATIVE PRIOR TO ANY WORK.
- IF CONDUCTORS INDICATED ON THE DRAWINGS ARE ALREADY STANDARD CONNECTIONS ON EQUIPMENT, EITHER PROVIDE CUSTOM LOSS (THE EQUIPMENT MANUFACTURER) IN THE EQUIPMENT OR PROVIDE COMPRESSION CONNECTIONS, AS ALLOWED BY THE LOCAL JURISDICTION HAVING AUTHORITY AND EQUIPMENT MANUFACTURER'S RECOMMENDED SIZED CONNECTION.
- CONTRACTOR SHALL OBTAIN ACTUAL SERVICE TRANSFORMER SECONDARY FAULT CURRENT VALUE FROM ELECTRIC UTILITY AND SUBMIT FOR ENGINEER'S REVIEW BEFORE SUBMITTING ELECTRICAL EQUIPMENT PRODUCTS.

**KEY NOTES (THIS DRAWING ONLY)**

- PROVIDE TRANSFORMER LOAD REQUIREMENTS WITH UTILITY PRIOR TO BID.
- PROVIDE #3/0(CU) GROUND TO BUILDING GROUND. SEE DETAIL ON THIS DRAWING FOR ADDITIONAL INFORMATION. ELECTRICAL CONTRACTOR SHALL BOND ALL GROUNDS TOGETHER AS INDICATED IN DETAIL.
- PROVIDE SERVICE ENTRANCE RATED METER CENTER, MAIN BREAKER AND BUS SIZED AS INDICATED, 208Y/120V THREE PHASE 4 WIRE IN AND 120/208V SINGLE PHASE OUT. PROVIDE QUANTITY OF METERS AS INDICATED. COORDINATE WITH POWER COMPANY FOR METER SOCKET REQUIREMENTS. PROVIDE PLAQUE AT EACH METER SOCKET INDICATING APARTMENT NUMBER. PROVIDE BREAKER AT EACH METER SOCKET.
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- 1200A 240V, 3 POLE, SERVICE ENTRANCE RATED FUSED DISCONNECT SWITCH WITH 1000A FUSES.
- SEE LOADCENTER CALCULATION FOR FEEDER WIRE AND BREAKER SIZES.
- PROVIDE PLAQUE, PER NEC 230.2(E), AT EACH SERVICE LOCATION INDICATING THE LOCATION OF THE OTHER SERVICE.
- 1200A 240V, 3 POLE, SERVICE ENTRANCE RATED FUSED DISCONNECT SWITCH WITH 1200A FUSES.



6 SERVICE ENTRANCE GROUNDING DIAGRAM  
 No Scale



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