

1. PROPOSED TEMPORARY KIDNOFF EQUIPMENT LAYOUT BOARD FOR VOLTAGE OF VERIZON EQUIPMENT. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.

2. VERIZON PROVIDED, CONTRACTOR INSTALLED HEATPROOF 120/240V, 10, 3N, 200 AMP MCB INTEGRATED LOAD CENTER PANEL WITH INTEGRATED AUTOMATIC TRANSFER SWITCH. CONTRACTOR SHALL PROVIDE ORIGINAL ALL REQUIRED WIRING WITH VERIZON PROVIDED. CONTRACTOR SHALL PROVIDE INTERSECT PANEL MOUNTED ON BACKGROUND FINAL CABLE TERMINATION SHALL BE ON ALARMS PUNCHDOWN BLOCK INSIDE CHARLES CABINET. SPARE CABLE PAIRS SHALL BE USED FOR GENERATOR/CONTROL/ALARM NIRING (SEE FIELD).

3. CONTRACTOR SHALL TERMINATE ALARMS NIRING ON ALARMS TERMINAL BLOCK PROVIDED WITH CHARLES CABINET. REFER TO ALARM LAYOUT DETAILS, SHEET E-5 FOR DETAILS.

4. PROVIDE AND INSTALL RAYCAP MAIN DISTRIBUTION BUS WITH TWELVE (12) OVP MOUNTED ON BALLAST FRAMING.

5. EXTEND 1/2" SEAL TIGHT CONDUIT FROM VERIZON PANEL "PPI" TO SIDE OF CHARLES RF CABINET FOR EXTENSION OF RECTIFIER R4-4 NIRING (2#10 AWG + 4#10 GND). REFER TO PANEL SCHEDULE SHEET E-1 FOR ADDITIONAL INFORMATION. CONDUIT SHALL ENTER CHARLES CABINET UTILIZING FACTORY KNOCK-OUTS. NO PVC CONDUIT SHALL BE PERMITTED.

6. EXTEND ADDITIONAL 1/2" SEAL TIGHT CONDUIT FROM VERIZON PANEL "PPI" TO SIDE OF CHARLES RF CABINET FOR EXTENSION OF RECTIFIER #5-8 NIRING (2#10 AWG + 4#10 GND). REFER TO PANEL SCHEDULE SHEET E-1 FOR ADDITIONAL INFORMATION. CONDUIT SHALL ENTER CHARLES CABINET UTILIZING FACTORY KNOCK-OUTS. NO PVC CONDUIT SHALL BE PERMITTED.

7. EXTEND ADDITIONAL 1/2" SEAL TIGHT CONDUIT FROM VERIZON PANEL "PPI" TO SIDE OF CHARLES RF CABINET FOR EXTENSION OF RECTIFIER #1-3 NIRING (2#10 AWG + 4#10 GND). REFER TO PANEL SCHEDULE SHEET E-1 FOR ADDITIONAL INFORMATION. CONDUIT SHALL ENTER CHARLES CABINET UTILIZING FACTORY KNOCK-OUTS. NO PVC CONDUIT SHALL BE PERMITTED.

8. EXTEND 3/4" SEAL TIGHT CONDUIT FROM VERIZON PANEL "PPI" TO SIDE OF CHARLES RF CABINET FOR EXTENSION OF CABINET RECEPTACLE NIRING (2#12 AWG + 4#12 GND). REFER TO PANEL SCHEDULE SHEET E-1 FOR ADDITIONAL INFORMATION. CONDUIT SHALL ENTER CHARLES CABINET UTILIZING FACTORY KNOCK-OUTS. NO PVC CONDUIT SHALL BE PERMITTED.

9. CONTRACTOR SHALL EXTEND 2" SEAL TIGHT CONDUIT FROM SIDE OF CHARLES CABINET TO BOTTOM OF RAYCAP FOR EXTENSION OF RAYCAP #6AWG DC CONDUCTORS. CONTRACTOR SHALL PROVIDE AND INSTALL RAYCAP MAIN DISTRIBUTION BUS WITH TWELVE (12) OVP MOUNTED ON BALLAST FRAMING. CONDUIT SHALL ENTER THROUGH SIDE OF CHARLES CABINET UTILIZING FACTORY KNOCK-OUTS WHERE FEASIBLE.

10. CONTRACTOR SHALL EXTEND ADDITIONAL 2" SEAL TIGHT CONDUIT FROM SIDE OF CHARLES CABINET TO BOTTOM OF RAYCAP FOR EXTENSION OF THE EIGHT (8) RAYCAP #6AWG DC CONDUCTORS. CONDUIT SHALL ENTER THROUGH SIDE OF CHARLES CABINET UTILIZING FACTORY KNOCK-OUTS WHERE FEASIBLE.

11. CONTRACTOR SHALL EXTEND ADDITIONAL 2" SEAL TIGHT CONDUIT FROM SIDE OF CHARLES CABINET TO BOTTOM OF RAYCAP FOR EXTENSION OF THE EIGHT (8) RAYCAP #6AWG DC CONDUCTORS. CONDUIT SHALL ENTER THROUGH SIDE OF CHARLES CABINET UTILIZING FACTORY KNOCK-OUTS WHERE FEASIBLE.

12. CONTRACTOR SHALL EXTEND ADDITIONAL 2" SEAL TIGHT CONDUIT FROM SIDE OF CHARLES CABINET TO BOTTOM OF RAYCAP FOR EXTENSION OF THE EIGHT (8) RAYCAP #6AWG DC CONDUCTORS. CONDUIT SHALL ENTER THROUGH SIDE OF CHARLES CABINET UTILIZING FACTORY KNOCK-OUTS WHERE FEASIBLE.

13. CONTRACTOR SHALL EXTEND ADDITIONAL 2" SEAL TIGHT CONDUIT FROM SIDE OF CHARLES CABINET TO BOTTOM OF RAYCAP FOR EXTENSION OF RAYCAP ALARMS AND FIBER. CONDUIT SHALL ENTER THROUGH SIDE OF CHARLES CABINET UTILIZING FACTORY KNOCK-OUTS WHERE FEASIBLE.

14. VERIZON PROVIDED, CONTRACTOR INSTALLED 120/240V, 10, 3N TEMPORARY PORTABLE STAND-BY 50 KWH DIESEL GENERATOR MOUNTED ON TRAILER.

15. EXTEND 4#10 + #4 GND ALUMINUM SBE CABLE - 3" PVC CONDUIT ABOVE GRADE (EMERGENCY) COORDINATE EXACT ROUTING AND CONDUIT SUPPORT METHOD WITH VERIZON REPRESENTATIVE IN THE FIELD.

16. EXTEND 2#12 AWG + #12 GND (BATTERY CHARGER) AND 2#12 AWG + #12 GND BLOCK HEATER IN 3/4" PVC CONDUIT TO TWO (2) POLE, 20 AMP BREAKERS IN PANEL "PPI".

17. EXTEND SINGLE PAIR, #16 GAUGE, THIN COPPER CONDUCTORS IN 1" PVC CONDUIT ABOVE GRADE FROM GENERATOR TO INTEGRATED ITS INSIDE OF INTERSECT PANEL (GENERATOR START/STOP).

18. EXTEND 24 GAUGE THREADED PAIR CABLE WITH 4 Pairs AND A DRAIN LEAD IN 1" PVC CONDUIT WITH PULL ROPE ABOVE GRADE FROM GENERATOR TO INTERSECT PANEL MOUNTED ON BACKGROUND FINAL CABLE TERMINATION SHALL BE ON ALARMS PUNCHDOWN BLOCK INSIDE CHARLES CABINET. SPARE CABLE PAIRS SHALL BE USED FOR GENERATOR/CONTROL/ALARM NIRING (SEE FIELD).

19. EXTEND ADDITIONAL 24 GAUGE THREADED PAIR CABLE WITH 4 Pairs AND A DRAIN LEAD IN 1" PVC CONDUIT WITH PULL ROPE ABOVE GRADE FROM GENERATOR TO INTERSECT PANEL MOUNTED ON BACKGROUND FINAL CABLE TERMINATION SHALL BE ON ALARMS PUNCHDOWN BLOCK INSIDE CHARLES CABINET. SPARE CABLE PAIRS SHALL BE USED FOR GENERATOR/CONTROL/ALARM NIRING (SEE FIELD).

20. EXTEND SINGLE PAIR, #16 GAUGE, THIN COPPER CONDUCTORS IN 1" PVC CONDUIT ABOVE GRADE FROM GENERATOR TO INTERSECT PANEL. FINAL CABLE TERMINATION SHALL BE AT SITE BOSS LOCATED INSIDE OF CHARLES CABINET. CABLE SHALL BE USED FOR GENERATOR MONITORING.

21. EXTEND 6 PAIR, #16 GAUGE, THIN COPPER CONDUCTORS IN 1" SEAL TIGHT CONDUIT FROM ALARM LARMS IN INTEGRATED LOAD CENTER (INTERSECT AND TERMINATE AT ALARMS PUNCHDOWN BLOCK INSIDE CHARLES CABINET) TO BOTTOM OF RAYCAP FOR EXTENSION OF RAYCAP ALARMS AND FIBER. CONDUIT SHALL ENTER THROUGH SIDE OF CHARLES CABINET UTILIZING FACTORY KNOCK-OUTS WHERE FEASIBLE.

22. EXTEND SINGLE PAIR, #16 GAUGE, THIN COPPER CONDUCTORS IN 1" SEAL TIGHT CONDUIT FROM CONDUCTS IN INTEGRATED LOAD CENTER (INTERSECT PANEL) AND TERMINATE ON SITE BOSS RELAYS LOCATED INSIDE OF CHARLES CABINET. CABLE SHALL BE USED FOR GENERATOR MONITORING.

23. CONTRACTOR SHALL UTILIZE 1" SEAL TIGHT CONDUIT FROM INTERSECT PANEL TO CHARLES CABINET FOR EXTENSION OF GENERATOR CAT 5 ALARM CABLE (TO PUNCHDOWN BLOCK), SPARE CAT 5 CABLE, AND GENERATOR PULL LEVEL MONITORING BULDEN SHIELDED CABLE (TO SITE BOSS). NO PVC CONDUIT SHALL BE PERMITTED.

24. PROPOSED OVERHAUL TEMPORARY ELECTRIC SERVICE 120/240V, 10, 3N BY UTILITY COMPANY FROM PROPOSED UTILITY POLE #181429-BK04040 TO PROPOSED HEATHERHEAD MOUNTED HIGH TO THE ALARMS PUNCHDOWN BLOCK. CONTRACTOR SHALL PROVIDE UTILITY COMPANY WITH UTILITY COORDINATE WITH VERIZON REPRESENTATIVE TO DETAILS SHEET E-6 FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL PROVIDE UTILITY COMPANY WITH UTILITY COORDINATE WITH VERIZON REPRESENTATIVE TO DETAILS SHEET E-6 FOR ADDITIONAL INFORMATION.

25. PROVIDE AND INSTALL HEATPROOF 240V SERVICE ENTRANCE RATED, 200 AMP SERVICE DISCONNECT SWITCH WITH TWO (2) 200A CLASS RFI FUSES MOUNTED ON ELECTRIC SERVICE ENTRANCE. CONTRACTOR SHALL PROVIDE UTILITY COMPANY WITH UTILITY COORDINATE WITH VERIZON REPRESENTATIVE TO DETAILS SHEET E-6 FOR ADDITIONAL INFORMATION.

26. PROVIDE CAUTION TWO SOURCES OF SUPPLY STICKER ON SERVICE DISCONNECT. BACKGROUND SHALL BE YELLOW WITH BLACK BLOCK TYPE LETTERING. REFER TO DETAIL, THIS SHEET.



01/10/2025

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, TIMOTHY SMIDT, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21505, EXPIRATION DATE MAY 4, 2006.

verizon
WOODSIDE TEMP RELO
RELOCATING OFFICE - 1000 WEST 10TH AVENUE, SUITE 1000, DENVER, CO 80202

REVISIONS:

NO	DESCRIPTION	DATE
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NO.	DESCRIPTION	DATE

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LAST REV.:

PROJECT NO: 240871

DATE: NOV. 12, 202

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UNIT 13

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