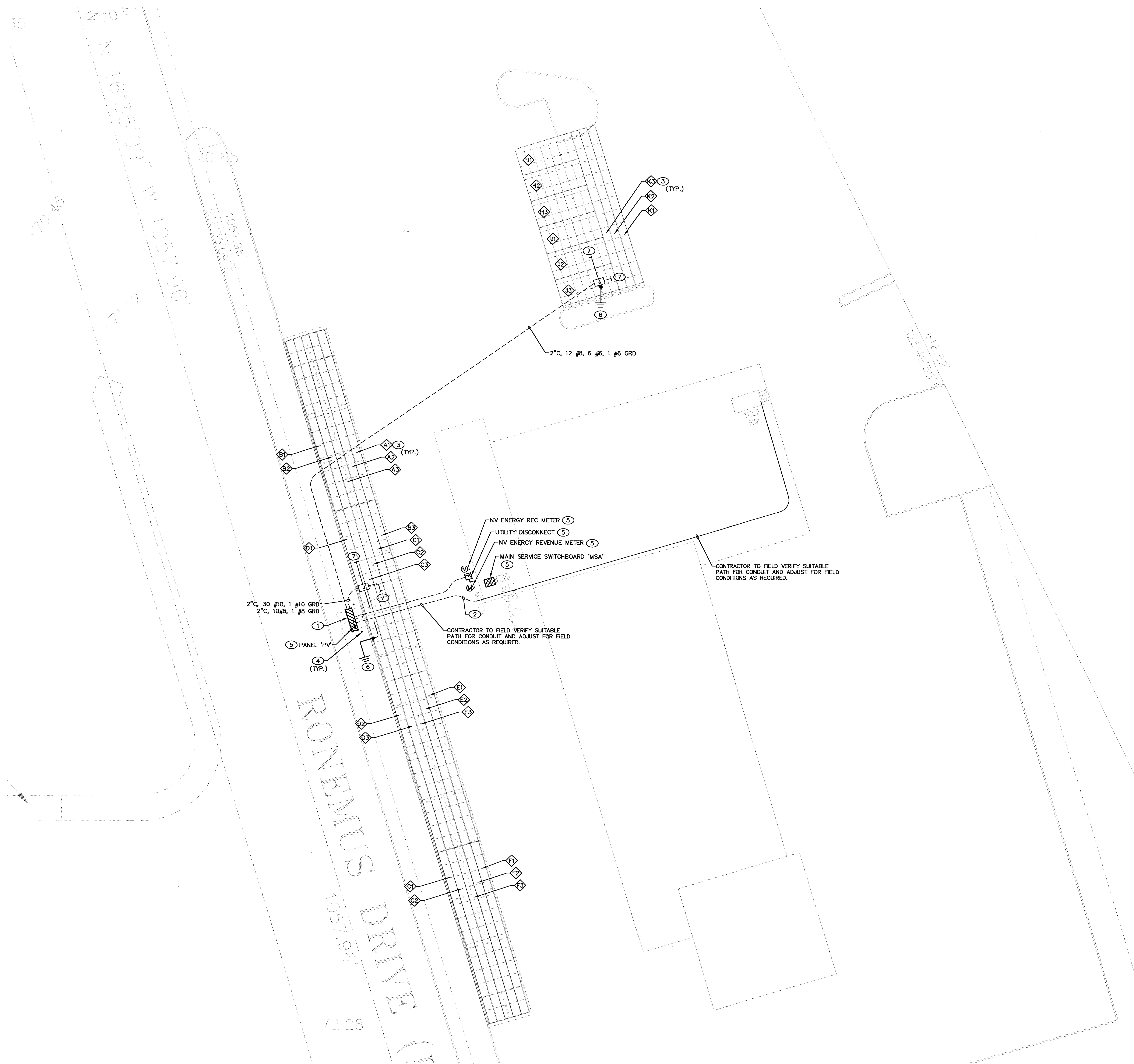


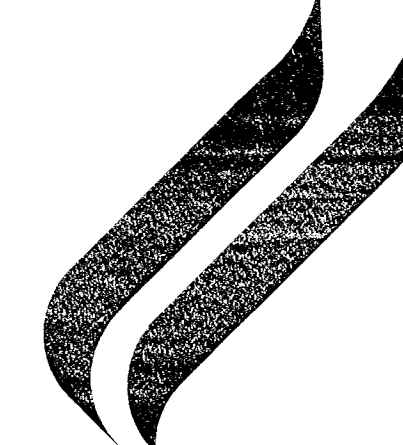


GENERAL NOTES

- 1- ALL DEMOLITION WORK SHALL BE COORDINATED WITH OWNER FOR TEMPORARY LOSS OF SERVICE TO FACILITY OR PORTIONS OF FACILITY AS REQUIRED. ALL EXISTING WALLS, FLOORS, ETC. EFFECTED BY THE REMOVAL OF EXISTING EQUIPMENT OR INSTALLATIONS SHALL BE PATCHED, REPAIRED AND FINISHED TO MATCH ADJACENT. ALL EXISTING FIRE RATED ASSEMBLIES EFFECTED BY THE DEMOLITION SHALL BE REPAIRED WITH FIRE STOPPINGS AND CAULKINGS AS REQUIRED TO MAINTAIN THE INTEGRITY OF FIRE RATED CONSTRUCTIONS.
- 2- EXISTING EQUIPMENT SHOWN ON THIS PLAN IS BASED ON AVAILABLE INFORMATION AND SHALL BE VERIFIED BY THE CONTRACTOR. ALL DISCREPANCIES BETWEEN PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE ENGINEER IN WRITING PRIOR TO BID.
- 3- ALL CONDUITS AND CONDUCTORS ON OR IN PARKING STRUCTURE SHALL BE INSTALLED INSIDE TUBE STRUCTURAL STEEL OR SURFACE MOUNTED TO STRUCTURAL STEEL, RUN PARALLEL WITH STRUCTURAL MEMBERS TO CONCEAL FROM VIEW TO THE MAXIMUM EXTENT POSSIBLE. CONDUIT IN CANOPY COLUMNS SHALL BE LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT CONCEALED WITHIN THE STRUCTURAL STEEL. CONDUIT, CONDUCTORS AND CABLING RUN WITHIN STRUCTURAL STEEL SHALL BE AS INDICATED IN PROJECT SPECIFICATIONS.
- 4- ALL SOURCE STRING CIRCUIT CONDUCTORS SHALL BE #10 AWG, 90°C, TYPE USE CABLE FROM PV MODULES TO J-BOX ADJACENT TO THE END OF THE PV MODULES. DC WIRING FROM J-BOX TO INVERTER SHALL BE AS SCHEDULED. REFER TO SINGLE LINE DIAGRAM FOR REQUIREMENTS.

KEY NOTES

- 1- GRID TIE INVERTER ENCLOSURE WITH DC INPUT DISCONNECT AND AC OUTPUT DISCONNECT (PANEL 'PV' MAIN CIRCUIT BREAKER). REFER TO SINGLE LINE DIAGRAM FOR REQUIREMENTS.
- 2- PROVIDE 3/4" C WITH COMMUNICATION CABLING FROM INVERTER ENCLOSURE TO SUNNY WEBBOX AND SOLAR MONITORING GATEWAY LOCATED AT EXISTING TELEPHONE TERMINAL BOARD IN BUILDING. CABLING SHALL BE PER SOLAR MONITORING EQUIPMENT MANUFACTURER'S RECOMMENDATIONS (RS485 CABLE FROM INVERTERS TO SUNNY WEBBOX AND STANDARD ETHERNET CABLES FROM SUNNY WEBBOX TO NETWORK EQUIPMENT). CONTRACTOR SHALL VERIFY THAT 120V CONTROL POWER SUPPLY AT TELEPHONE BOARD EXISTS AND SHALL PROVIDE NEW POWER RECEPTACLE IF NECESSARY.
- 3- REFER TO SINGLE LINE DIAGRAM FOR SOLAR PV EQUIPMENT CONNECTIONS AND REQUIREMENTS.
- 4- PROVIDE VEHICULAR PROTECTION BARRIERS AS SHOWN WITH CLEARANCE OF ELECTRICAL EQUIPMENT PER NEC 110.26. BOLLARD SHALL CONSIST OF 6"(L) x 4"(DIA.) SCHEDULE 40 STEEL PIPE, WITH 3' ABOVE GRADE AND 3' BELOW GRADE IN CONCRETE FOUNDATION. FOUNDATION TO BE 15" IN DIAMETER.
- 5- REFER TO SINGLE LINE DIAGRAM FOR CONDUIT, CONDUCTOR AND CONNECTION REQUIREMENTS.
- 6- PROVIDE GROUNDING ELECTRODE AT CARPORT CANOPY. REFER TO SINGLE LINE DIAGRAM FOR REQUIREMENTS.
- 7- EXTEND PV DC CABLING FROM PULLBOX TO PV MODULES AS REQUIRED. REFER TO SINGLE LINE DIAGRAM FOR CONDUCTOR AND CONNECTION REQUIREMENTS.



DRAWING ISSUE LOG				
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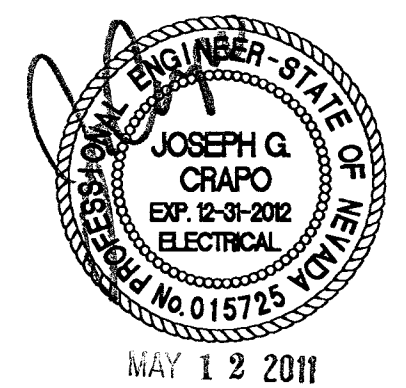
CARPENTER SELLERS DEL CATTO
ARCHITECTS

1819 S. JONES, SUITE 'C' - LAS VEGAS, NV 89146
(702) 251-4886 • FAX (702) 251-4876 • WWW.CSDARCHITECTURE.COM

ELECTRICAL
SITE POWER PLAN
SOLAR COVERED PARKING, PHASE II - BID LOT 'F'
WEST YARD VEHICLE SERVICE BUILDING
2560 RONENUS DR.
LAS VEGAS, NV 89128

REVISIONS				
NO.	DESCRIPTION	DATE	BY	APP'D.

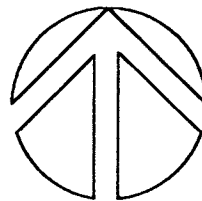
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JOB NO: 11-023
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DO NOT SCALE DRAWINGS



INTREPID ENGINEERING
5163 S. DURANGO DR., SUITE 102
LAS VEGAS, NEVADA 89115
PHONE (702) 367-9007 • FAX (702) 367-9006

ELECTRICAL SITE POWER PLAN

SCALE: 1/16" = 1'-0"



6/6/11
CRAPO
ELECTRICAL
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SHEET No. 522-VT7-CSP
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