CARSON CITY PUBLIC WORKS SOLAR PHOTOVOLTAIC SYSTEM 3505 BUTTI WAY CARSON CITY, NEVADA APN 10-031-04

PROJECT No. 2.0805

BOARD OF SUPERVISORS

BOB CROWELL MAYOR
ROBIN WILLIAMSON SUPERVISOR
SHELLY ALDEAN SUPERVISOR
PETE LIVERMORE SUPERVISOR
MOLLY WALT SUPERVISOR
ALAN GLOVER CITY CLERK

DESIGNED FOR:

CARSON CITY PUBLIC WORKS DEPARTMENT OPERATIONS DIVISION 3505 BUTTI WAY CARSON CITY, NV 89701 887-2355

GENERAL NOTES:

- ALL MORK SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR THE PUBLIC WORKS CONSTRUCTION" (SSPWC) AND THE "STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION" (SDPWC) AS ADOPTED BY CARSON CITY. THE CONTRACTOR SHALL DETAIN A PERMIT FOR PUBLIC WORKS CONSTRUCTION FROM THE CARSON CITY PERMIT CENTER
- ALL WORK IN NOOT RIGHT-OF-WAY SHALL CONFORM TO THE STATE OF NEVADA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2001 EDITION AND THE STATE OF NEVADA DEPARTMENT OD TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION, 2007 EDITION.
- 2. ALL TRAFFIC CONTROL AND BARRICADING WITHIN THE CARSON CITY RIGHT-OF-WAY SHALL CONFORM TO SECTION 103.33, 322.04 AND 3220.05 OF THE STANDARDS SECRECIATIONS PART VIO 6'THE MANUAL ON INFORM TRAFFIC FOR THE STANDARD PART OF THE STANDARD SHOULD SHAPE VIOLENCE AND ADMINISTRATION OF THE STANDARD SHAPE EDITION. A TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CARSON CITY ENGINEERING DIVISION PRIOR TO ANY STREET CLOSURES.
- 3. THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT "CALL BEFORE YOU DIG" (811) OR (1-80)-227-2600) AT LEAST TWO (2) WORKING DAYS PRIOR TO START OF CONSTRUCTION AND COMPLY WITH THE REQUIREMENTS OF IN AND INC. 465 THROUGHOUT THE COURSE OF THE WORK, SEVER SERVICE LATERALS ARE NOT OWNED OR MARKED BY
- 4. THE CONTRACTOR SHALL CALL THE CARSON CITY ENGINEERING DIVISION (887-2300) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CALL DOE (1) WORKING DAY PRIOR TO REQUIRED INSPECTIONS AND TESTING. DOE (1) WORKING DAY PRIOR TO REQUIRED INSPECTIONS AND TESTING ARE LISTED ON THE INSPECTION RECORD ISSUED WITH EACH PERMIT. THE CONTRACTOR MIST HAVE THE PERMIT NUMBER AND THE DESCRIPTION LISTED ON THE INSPECTION RECORD TO SCHEDULE RECUIRED INSPECTIONS AND TESTING. FOR CITY CONTRACTED PROJECTS, THE CONTRACTOR SHALL SCHEDULE INSPECTIONS PER THE CONTRACT DOCUMENTS.
- 5. FINAL INSPECTIONS WILL BE PERFORMED BY CARSON CITY ENGINEERING DIVISION ACCORDING TO THE CARSON CITY INSPECTIONS AND TESTING PROCEDURES. NOTE: THESE PROCEDURES REQUIRE SUBMITTAL OF RECORD DRAWING PRINTS BY THE CONTRACTOR AND 10 WORKING DAYS TO PREPARE A FINAL PUNCH LIST. ALL CONDITIONS OF THE FINAL INSPECTION MUST be COMPLETED PRIOR TO FINAL ACCEPTANCE OR ANY APPROVAL OF A CERTIFICATE OF OCCUPANCY BY THE CARSON CITY ENGINEERING DIVISION.
- MODIFICATIONS TO THE APPROVED PLANS REQUIRES REVIEW AND APPROVAL BY THE CARSON CITY ENGINEERING DIVISION. WORK PERFORMED WITHOUT WRITTEN APPROVAL BY CARSON CITY ENGINEERING WILL REQUIRE REMOVAL AT THE CONTRACTORS EXPENSE.
- 7. THE APPROVED PLAN, PERMIT AND INSPECTION RECORD MUST BE ON THE JOB SITE AT ALL TIMES.
- PLAN APPROVAL FOR SEWER AND WATER CONSTRUCTION SHALL EXPIRE ONE YEAR FROM DATE OF APPROVAL UNLESS CONSTRUCTION HAS BEEN INITIATED. (CCMC 12.06.180F, 12.01.140D)
- 9. THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR ACQUIRING A STORM WATER DISCHARGE PERMIT FROM THE NEVADA DIVISION OF ENVIRONMENTIAL PROTECTION (NDEP) INCLUDING DEVELOPING, SUBMITTING AND IMPLEMENTING A STORM WATER POLLUTION PREVENTION PLAN ISWPPP). THE CONTRACTOR SHALL DEVELOP, PLACE AND MAINTAIN STORM WATER PROTECTION DEVICES IN COMPLIANCE WITH THE REVADA CONTRACTORS FIELD GUIDE FOR CONSTRUCTION SITE BEST MANAGEMENT PRACTICES.
- 10. THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS IS BASED ON THE BEST INFORMATION AVAILABLE TO THE PRIGNERS. IT SHAUL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THESE LOCATIONS AT THE PROPOSED POINTS OF CONNECTIONS AND IN ABEAS OF POSSIBLE CONFLICT WITH NEW UTILITY INSTALLATION, PEPRO TO DESIGNAING CONSTRUCTION, POTHOLORIS REQUIRED, SHOULD THE CONTRACTOR FIND ANY DISCREPANCIES BETWEEN THE CONDITIONS EXISTING IN THE FIELD AND THE INFORMATION SHOWN ON THESE DRAWINGS. HE SHALL INCIDENT THE ENGINERY REPORT BEFORE PROPERED THE CONDITIONS THE WALL THE PAGE OF THE PROPERED PROPERED WITH CONTRICT WITH CONSTRUCTION CONTRACTOR.
- ME CONTRACTOR SHILL BE SOLDE. THAT COMPRETE THE RESPONSIBILE FOR THE CONTRACTOR SHILL BE SOLDED. THE MORE THE RESPONSIBILE FOR THE CONTRACTOR SHILL BE RESPONSIBLE FOR THE DESIGN AND CONTRACTOR SHILL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF PROPER SHORING OF TRENDERS IN ACCORDANCE WITH CONTRACTORS SAFETY LAWS. THE DOTTES OF THE ENRICHES IN A THICK DESIGN AND CONTRACTORS SAFETY IN ON, OR NEAR THE CONSTRUCTION SITE.
- 12. SHOULD IT APPEAR THAT THE WORK TO BE DONE, OR ANY MATTER RELATIVE THERETO, IS NOT SUFFICIENTL DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR SUCH FURTHER EXPLAINATIONS AS MAY BE NECESSARY.

SHEET INDEX

| BASIS OF DESIGN | CODE | 2006 IBC | COCCUPANCY CATEGORY | II | STORAGE BUILDING | SNOW LOADS | GROUND SNOW LOAD, PG | 30psf | Ce | 1.00 | Ct | 1.20 | Is | 1.00 | FLAT ROOF SNOW LOAD, PG | 25.2psf | WIND LOADS | BASIC WIND SPEED, V3S | 100mph | EXPOSURE | C | C | I.00 | CT | I.00



VICINITY MAP

REVIEWED FOR CITY REQUIREMENTS:

JEFF SHARP, P.E., - CITY ENGINEER DATE

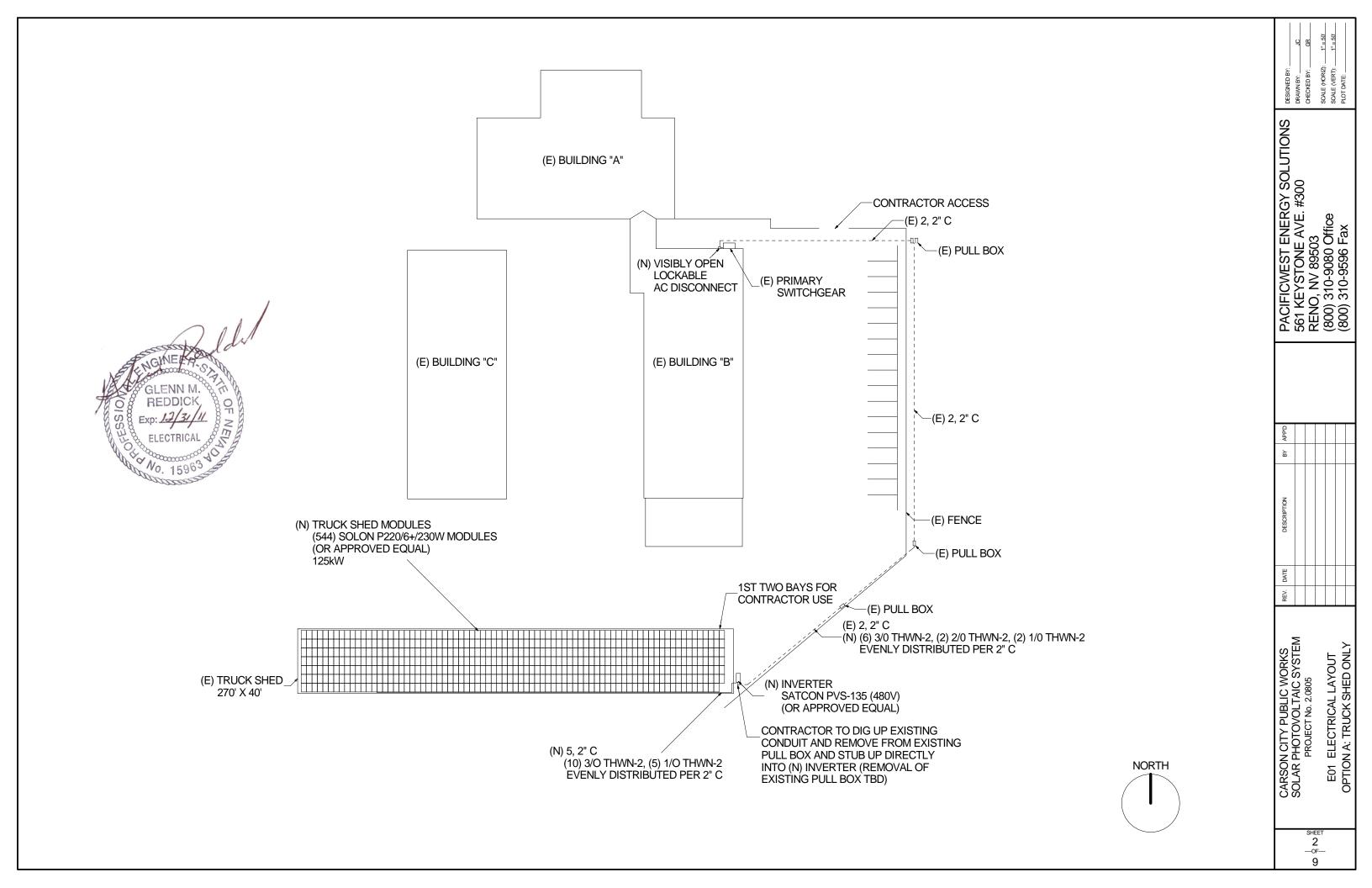
DEVELOPMENT ENGINEERING DATE

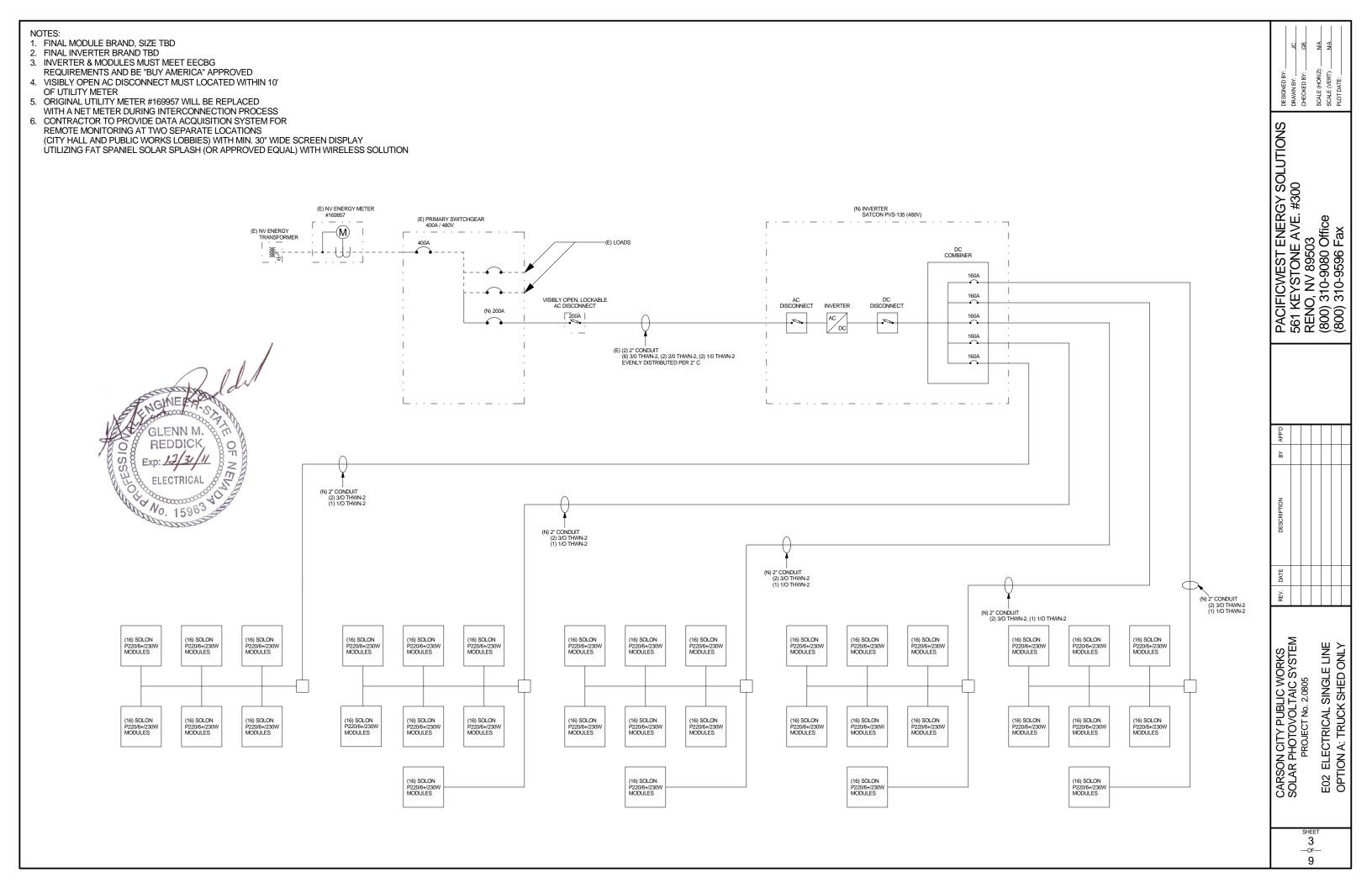
KEN ARNOLD, - PUBLIC WORKS OPERATIONS MANAGER DATE

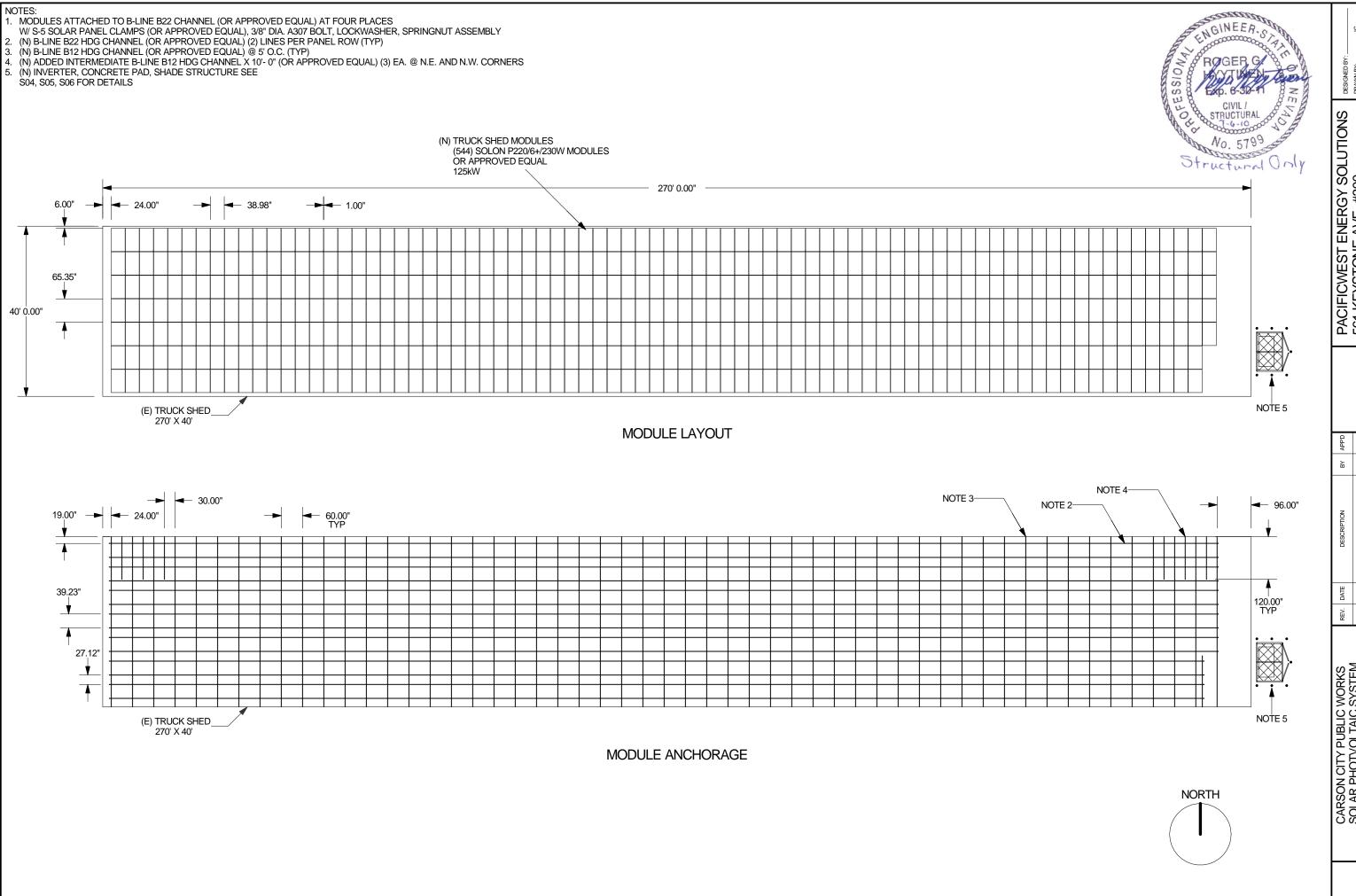
CARSON CITY F SOLAR PHOTO: PROJECT

PERMIT#

1 ----OF---- TRUCK SHED





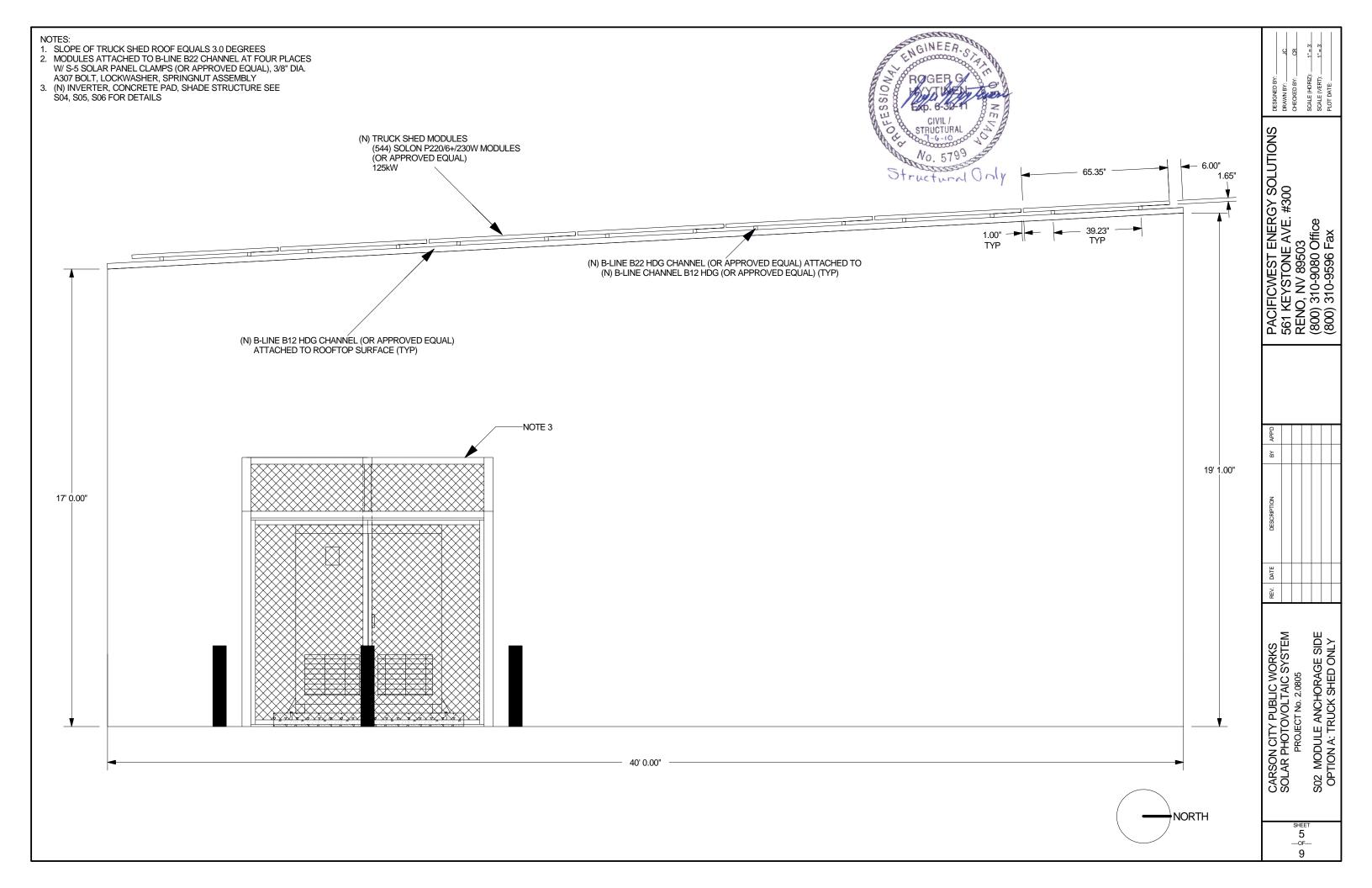


PACIFICWEST ENERGY SOLUTIONS 561 KEYSTONE AVE. #300 RENO, NV 89503 (800) 310-9080 Office (800) 310-9596 Fax

MODULE LAYOUT/ANCHORAGE TOP OPTION A: TRUCK SHED ONLY CARSON CITY PUBLIC WORKS SOLAR PHOTVOLTAIC SYSTEM PROJECT No. 2.0805

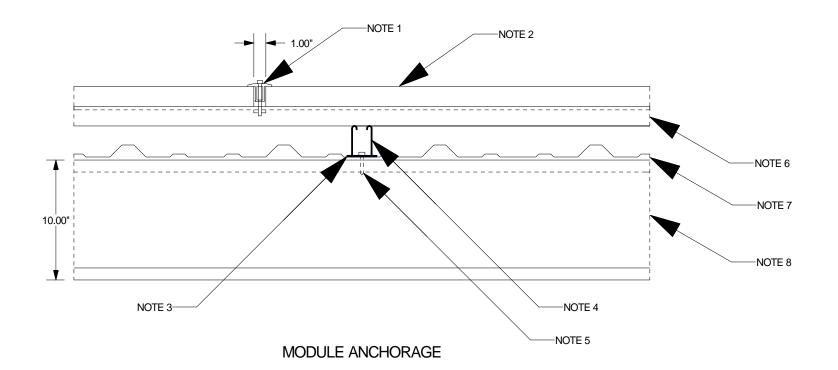
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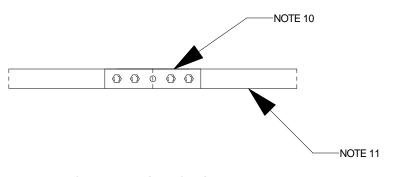
4 ----OF----



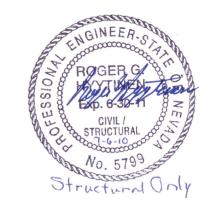
- 1. (N) S-5 SOLAR PANEL CLAMP (OR APPROVED EQUAL) W/ 3/8" DIA. A307 BOLT, LOCKWASHER AND SPRINGNUT ASSEMBLY (TYP)

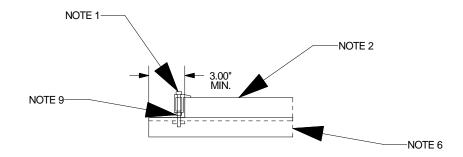
- 2. (N) SOLON P220/6+/230W MODULE (OR APPROVED EQUAL)
 3. (N) CONSTRUCTION ADHESIVE GASKET STRIP (SUBMIT FOR APPROVAL) (TYP)
- 4. (N) B-LINE B12 HDG CHANNEL (OR APPROVED EQUAL) @ 5' O.C. (TYP)
- 5. (N) (2) 1/4"-14X1 1/2" MAXISEAL TEK SCREWS @ 1" O.C. EACH PURLIN (TYP)
 6. (N) B-LINE B22 HDG CHANNEL (OR APPROVED EQUAL) (2) LINES PER PANEL ROW (TYP)
- 7. (E) 1 1/4" ROOF DECK
- 8. (E) 10" Z-PURLIN @ 4' O.C
- 9. (N) ADDED NUT ON UNDERSIDE OF END CLAMP (TYP)
 10. (N) B342 HDG FIVE HOLE SPLICE PLATE W/ (4) 1/2" DIA. A307 BOLT, NUT, LOCKWASHER ÀND WASHER (TYP)
- 11. (N) B-LINE B22 & B12 HDG CHANNEL (OR APPROVED EQUAL) (CENTER B22 SPLICES BETWEEN B12 CHANNELS, CENTER B12 SPLICES BETWEEN Z-PURLINS) (TYP)



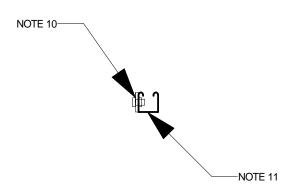


CHANNEL SPLICE SIDE





MODULE ANCHORAGE END



CHANNEL SPLICE END

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ARSON CITY PUBLIC WORKS DLAR PHOTOVOLTAIC SYSTEM PROJECT No. 2.0805	S03 PENETRATION DETAILS OPTION A: TRUCK SHED ONLY
CAR. SOL/	SS P
	CARSON CITY PUBLIC WORKS SOLAR PHOTOVOLTAIC SYSTEM PROJECT No. 2.0805

SHEET
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OF
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