

Market: SAN FRANCISCO/SACRAMENTO  
Cell Site Number: CN3531A  
Cell Site Name: NATIVIDAD MED CENTER  
Fixed Asset Number: 10101934

**SECOND AMENDMENT TO COUNTY OF MONTEREY WIRELESS COMMUNICATION SITE LEASE AGREEMENT**

**THIS SECOND AMENDMENT TO COUNTY OF MONTEREY WIRELESS COMMUNICATION SITE LEASE AGREEMENT (“Amendment”)**, dated as of the latter of the signature dates below, is by and between the County of Monterey a political subdivision of the State of California, having a mailing address of 1441 Schilling Place, South Building, 2<sup>nd</sup> Floor, Salinas, CA 93901 (“LESSOR”) and New Cingular Wireless PCS, LLC, a Delaware limited liability company, having a mailing address of 1025 Lenox Park Blvd NE, 3<sup>rd</sup> Floor, Atlanta, GA 30319 (“LESSEE”).

WHEREAS, LESSOR and LESSEE entered into a Wireless Communication Site Lease Agreement dated June 7<sup>th</sup>, 2006, amended February 16<sup>th</sup> 2012, whereby LESSOR leased to LESSEE certain Premises, therein described, that are a portion of the Property located at 1410 Natividad Road, Salinas, CA (“**Agreement**”); and

WHEREAS, LESSOR and LESSEE executed a Grant of Easement on March 13, 2012 for access and conduit route purposes, which term coincides with the remaining term of the Agreement, including all renewals thereof; and

WHEREAS, LESSEE desires to modify its Equipment, which LESSOR is willing to approve; and

WHEREAS, LESSOR and LESSEE desire to adjust the Lease Fee in conjunction with the modifications to the Agreement contained herein; and

WHEREAS, LESSOR and LESSEE desire to update the Notices section of the Agreement contained herein; and

WHEREAS, LESSOR and LESSEE desire to extend the term of the Agreement contained herein; and

WHEREAS, LESSOR and LESSEE, in their mutual interest, wish to amend the Agreement as set forth below accordingly.

NOW THEREFORE, in consideration of the foregoing and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, LESSOR and LESSEE agree as follows:

1. **Modification of Equipment.** LESSEE shall have the right to modify the Equipment as more completely described on attached Exhibit B-2. LESSOR’s execution of this Amendment will signify LESSOR’s approval of Exhibit B-2. Exhibit B-2 hereby replaces Exhibit B to the Agreement.
2. **Lease Fee.** Commencing on the first day of the month following the date that LESSEE commences construction of the modifications set forth in this Amendment, the Lease Fee shall be increased to Forty Seven Thousand Six Hundred Forty One and 32/100 Dollars (\$47,641.32) annually subject to further adjustments as provided in the Agreement.
3. **Term Extension.** Section 10. EXTENSIONS is amended as follows: This Agreement shall automatically be extended for one (1) additional five (5) year term unless the LESSEE terminates it at the end of the then current term by giving the LESSOR written notice of the intent to terminate not less than six (6) months prior to the end of the then current term.
4. **Notices.** Section 15. NOTICES is replaced with the following:

**Notices.** All notices, requests, demands and communications hereunder will be given by first class certified or registered mail, return receipt requested, or by a nationally recognized

overnight courier, postage prepaid, to be effective when properly sent and received, refused or returned undelivered. Notices will be addressed to the parties as follows:

If to LESSOR County of Monterey  
Public Works, Facilities, and  
Parks (PWFP), Dept.  
c/o Real Property Specialist  
1441 Schilling Place  
Salinas CA 93901  
Tel: (831) 755-4855  
Fax: (831) 755-4688  
Email:  
[salcidog@co.monterey.ca.us](mailto:salcidog@co.monterey.ca.us)

If to LESSEE: New Cingular Wireless PCS, LLC  
Attn: Network Real Estate  
  
Cell Site Number: CN3531A  
Cell Site Name: NATIVIDAD MED CENTER  
Fixed Asset Number: 10101934  
1025 Lenox Park Blvd NE  
3<sup>rd</sup> Floor  
Atlanta, GA 30319

With copy to: New Cingular Wireless PCS, LLC  
Attn: Legal Department  
Cell Site Number: CN3531A  
Cell Site Name: NATIVIDAD MED CENTER (CA)  
Fixed Asset Number: 10101934  
208 S. Akard Street  
Dallas, Texas, 75202-4206

5. **Other Terms and Conditions Remain.** In the event of any inconsistencies between the Agreement, and this Amendment, the terms of this Amendment shall control. Except as expressly set forth in this Amendment, the Agreement otherwise is unmodified and remains in full force and effect.
6. **Capitalized Terms.** All capitalized terms used but not defined herein shall have the same meanings as defined in the Agreement.

IN WITNESS WHEREOF, the parties have caused this Amendment to be effective as of the last date written below.

**LESSOR:**  
County of Monterey

**LESSEE:**  
New Cingular Wireless PCS, LLC,  
a Delaware limited liability company

By: AT&T Mobility Corporation  
Its: Manager

DocuSigned by:  
*Angelica Ruelas* Angelica Ruelas  
By: \_\_\_\_\_  
4DFC4176E709451  
Title: ~~Manager at RAN Wireless, Deputy~~  
~~Purchasing Agent~~ Officer  
Date: 9/2/2022 | 1:20 PM PDT

By: *Michael Guibord*  
Print Name: Michael Guibord  
Title: Director RAN Construction  
Date: 8/25/2022

By:  
Its:

**APPROVED AS TO FORM:**  
Office of the County Counsel  
Leslie J. Girard, County Counsel

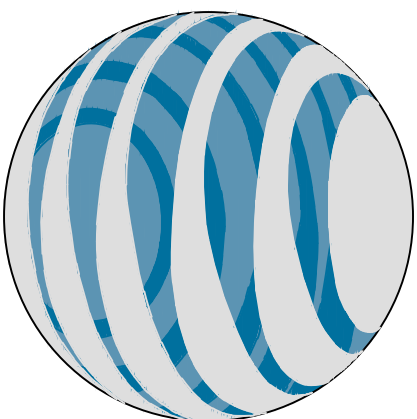
By: *Courtney Perillo*  
Print Name: Courtney Perillo  
Title: Director Construction & Engineering  
Date: August 26, 2022

DocuSigned by:  
*Mary Grace Perry*  
By: \_\_\_\_\_  
A1633B26E747442  
Title: Mary Grace Perry  
Deputy County Counsel  
Date: 9/2/2022 | 10:03 AM PDT

**EXHIBIT B-2**

**SKETCH OF THE PREMISES**

**(SEE INSERTED CONSTRUCTION PLANS)**

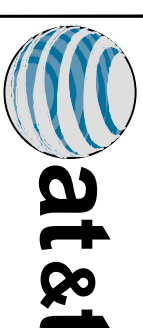


# at&t

## NATIVIDAD MED CENTER FA#: 10101934

### GENERATOR INSTALLATION PROJECT 30KW GENERAC DIESEL GENERATOR

1410 NATIVIDAD RD  
SALINAS, CA 93906



**GENERAL DYNAMICS**  
Information Technology

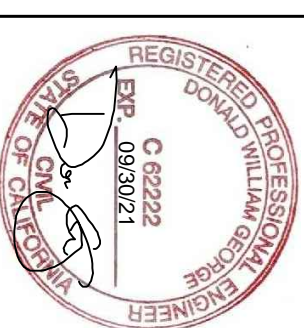


**GEOSTRUCTURAL**  
PO BOX 2621, BOISE, ID 83701  
CONTACT@GEOSTRUCTURAL.COM  
WWW.GEOSTRUCTURAL.COM

REV	DATE	DESCRIPTION	INT
0	10/29/21	ISSUED FOR CONSTRUCTION	JCM

CHECKED BY: GGD

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO THE CLIENT NAMES IS STRICTLY PROHIBITED.



DATE SIGNED: 3/30/21

SITE INFORMATION:  
NATIVIDAD MED CENTER  
10101934

GENERATOR INSTALLATION PROJECT  
1410 NATIVIDAD RD  
SALINAS, CA 93906

JURISDICTION USE:

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

T-1

**SITE INFORMATION:**

SITE ADDRESS: 1410 NATIVIDAD RD  
SALINAS, CA 93906  
COUNTY: MONTEREY  
COORDINATES: 36.699189° / -121.63215° (FOR NAVIGATION ONLY)  
PROPERTY LANDLORD OR OWNER: CROWN CASTLE, SITE# 888888  
TAX ID #: 003-851-034  
ZONING: PS  
OCCUPANCY GROUP: U - UNMANNED  
CONSTRUCTION TYPE: I1B  
POWER COMPANY: PG&E  
A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION

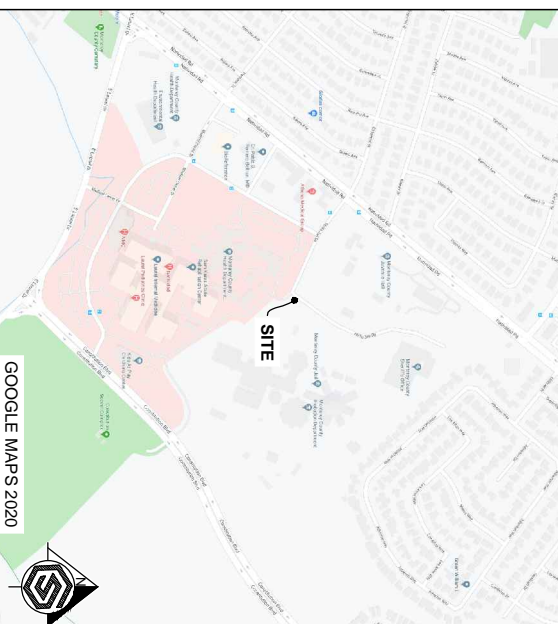
**DO NOT SCALE DRAWINGS:**

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR THE SAME.

**CONTACT INFORMATION:**

APPLICANT: AT&T MOBILITY  
1375 CAMINO REAL STE 120  
SAN BERNARDINO, CA 92408  
PROJECT MANAGER: PHONE: 951.534.8967  
GENERAL DYNAMICS WIRELESS SERVICES, LLC.  
19240 DES MOINES DR. S. BLDG C STE 300  
SEA TAC, WA 98048  
PHONE: 425.606.8785  
CONTACT: CHRISTOPHER HERMAN  
LEASING / PERMITTING: CONTACT: SARAH GRANT KLIMAN  
PHONE: 503.853.1065  
EMAIL: sarahgrantkliman@gmail.com  
ARCHITECTURE & ENGINEERING: GEOSTRUCTURAL, LLC.  
PO BOX 2621  
BOISE, ID 83701  
PHONE: 530.539.4787  
CONTACT: DON GEORGE

**VICINITY MAP:**



**AREA MAP:**



**APPROVALS:**

AT&T MANAGER \_\_\_\_\_  
CONSTRUCTION MANAGER \_\_\_\_\_  
SITE ACC. MANAGER \_\_\_\_\_  
PROPERTY OWNER \_\_\_\_\_  
LANDLORD \_\_\_\_\_

**SCOPE OF WORK:**

INSTALL (1) OPTIONAL STANDBY DIESEL GENERATOR WITH BASE FUEL TANK ON CONCRETE PAD AND ATS / EQUIPMENT NEAR EXISTING AT&T EQUIPMENT AREA.  
INTEGRATE NEW GENERATOR WITH EXISTING SERVICE.  
NOTE: NO CHANGES OR ALTERATIONS TO THE TOWER, MOUNTS, ANTENNAS, FEEDLINES, ETC. IS PROPOSED AS A PART OF THIS SCOPE OF WORK.

**DIG LINE:**

THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES. ABOVE GROUND STRUCTURES, AND/OR EXISTING UTILITIES BELIEVED TO BE IN THE WORKING AREA. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL UTILITIES, PIPELINES AND OTHER STRUCTURES SHOWN OR NOT SHOWN ON THESE PLANS.  
ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AND ENGINEER AT THE CONTRACTOR'S EXPENSE.



**CODE COMPLIANCE:**

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF ALL GOVERNING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS ARE TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES:  
CALIFORNIA BUILDING CODE (CBC) 2019  
CALIFORNIA ELECTRICAL CODE 2019  
CALIFORNIA MECHANICAL CODE 2019  
CALIFORNIA FIRE CODE (CFC) 2019  
INTERNATIONAL BUILDING CODE (IBC) 2018  
NATIONAL ELECTRICAL CODE (NEC) 2017  
NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 13.30.37.58.70.72.110.111  
AMERICAN CONCRETE INSTITUTE (ACI) 318  
AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)  
TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222  
TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 607

**SHEET INDEX:**

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**NOTES TO SUBCONTRACTOR:**

1. THE GENERAL SUBCONTRACTOR MUST VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS BEFORE PROCEEDING WITH THE WORK. ALL DISCREPANCIES SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES.
2. IT IS THE INTENTION OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, TIES, FORM WORK, ETC. IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL ORDINANCES. TO SAFELY EXECUTE ALL WORK AND SHALL BE RESPONSIBLE FOR SAME. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES.
3. THE SUBCONTRACTOR SHALL USE ADEQUATE NUMBER OF SKILLED WORKMAN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHOD NEEDED FOR PROPER PERFORMANCE OF THE WORK.
4. SUBCONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION SUBCONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND SUBCONTRACTOR FURTHER AGREES TO INDEMNIFY AND HOLD DESIGN ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT.
5. SITE GROUNDING SHALL COMPLY WITH AT&T WIRELESS SERVICES TECHNICAL SPECIFICATIONS FOR FACILITY GROUNDING FOR CELL SITE STANDARDS, LATEST EDITION, AND COMPLY WITH AT&T TOWERS GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.
6. ALL WORK SHALL COMPLY WITH OSHA AND STATE SAFETY REQUIREMENTS. PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION.
7. ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL CODES OR ORDINANCES. THE MOST STRINGENT CODE WILL APPLY IN THE CASE OF DISCREPANCIES OR DIFFERENCES IN THE CODE REQUIREMENTS.
8. ANY DAMAGE TO THE ADJACENT PROPERTIES WILL BE CORRECTED AT THE SUBCONTRACTORS EXPENSE TO THE SATISFACTION OF THE LANDOWNER AND THE CONSTRUCTION MANAGER.
9. THE COMPLETE BID PACKAGE INCLUDES THESE CONSTRUCTION DRAWINGS ALONG WITH THE SPECIFICATIONS. SUBCONTRACTOR IS RESPONSIBLE FOR REVIEW OF TOTAL BID PACKAGE PRIOR TO BID SUBMITTAL.
10. SUBCONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES WITHIN CONSTRUCTION LIMITS PRIOR TO CONSTRUCTION.
11. THE SUBCONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE ON THE SITE AT ALL TIMES. SILT AND EROSION CONTROL SHALL BE MAINTAINED ON THE DOWNSTREAM SIDE OF THE SITE AT ALL TIMES. ANY DAMAGE TO ADJACENT PROPERTIES WILL BE CORRECTED AT THE SUBCONTRACTORS EXPENSE.
12. CLEARING OF TREES AND VEGETATION ON THE SITE SHOULD BE HELD TO A MINIMUM. ONLY THE TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED. ANY DAMAGE TO THE PROPERTY OUTSIDE THE LEASED PROPERTY SHALL BE REPAIRED BY THE SUBCONTRACTOR.
13. ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES PRIOR TO DISPOSAL.
14. PERMITS. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATES, ETC.
15. RECORD DRAWINGS: MAINTAIN A RECORD OF ALL CHANGES, SUBSTITUTIONS BETWEEN WORK AS SPECIFIED AND INSTALLED. RECORD CHANGES ON A CLEAN SET OF CONTRACT DRAWINGS WHICH SHALL BE TURNED OVER TO THE CONSTRUCTION MANAGER UPON COMPLETION OF THE PROJECT.
16. THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES AND/OR EXISTING UTILITIES BELIEVED TO BE IN THE WORKING AREA. IT IS THE RESPONSIBILITY OF THE SUBCONTRACTOR TO VERIFY ALL UTILITIES, PIPELINES AND OTHER STRUCTURES SHOWN OR NOT SHOWN ON THESE PLANS. THE SUBCONTRACTOR SHALL CONTACT THE LOCAL UTILITY SERVICE BEFORE DIGGING OR DRILLING. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AND ENGINEER AT THE SUBCONTRACTORS EXPENSE.

**REQUIRED SPECIAL INSPECTIONS:**

1. PER CBC 1705.4 SPECIAL INSPECTION OF MASONRY. (IF REQUIRED)

**GENERAL PROJECT NOTES:**

1. THIS PROPOSAL IS FOR THE ADDITION OF A NEW GENERATOR ON A NEW CONCRETE PAD TO AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY CONSISTING OF AN EQUIPMENT SHELTER/PLATFORM AND TOWER.
2. THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE.
3. THE PROPOSED FACILITY IS UNMANNED AND IS NOT FOR HUMAN HABITAT. (NO HANDICAP ACCESS IS REQUIRED)
4. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH BY AT&T TECHNICIANS.
5. OUTDOOR STORAGE AND SOLID WASTE CONTAINERS ARE NOT PROPOSED.
6. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
7. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATION.
8. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTION REQUIRED FOR CONSTRUCTION.
9. SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.

**ELECTRICAL NOTES:**

**A. GENERAL**

1. COORDINATE LOCATION AND POWER REQUIREMENTS OF ALL EQUIPMENT WITH AT&T AND EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.
2. COORDINATE LOCATION AND REQUIREMENTS FOR ELECTRICAL AND TELEPHONE SERVICES WITH THE PROPERTY REPRESENTATIVE, AT&T AND UTILITY COMPANIES. ROUTING OF CONDUITS MAY BE MODIFIED TO MEET SITE REQUIREMENTS. EXACT CONDUIT ROUTING TO BE DETERMINED IN THE FIELD.
3. ALL WIRING AND EQUIPMENT SHOWN ON ELECTRICAL SHEETS SHALL BE FURNISHED AND INSTALLED UNDER ELECTRICAL PORTION OF CONTRACT UNLESS OTHERWISE NOTED
4. UNINTERRUPTED ELECTRICAL SERVICE FOR EXISTING EQUIPMENT SHALL BE MAINTAINED DURING THE INSTALLATION OF THE WORK DESCRIBED UNDER THESE DOCUMENTS. TEMPORARY EQUIPMENT, CABLES AND WHATSOEVER ELSE IS NECESSARY SHALL BE PROVIDED AS REQUIRED TO MAINTAIN ELECTRICAL SERVICE. TEMPORARY SERVICE FACILITIES, IF REQUIRED AT ANY TIME, SHALL NOT BE DISCONNECTED OR REMOVED UNTIL NEW SERVICE EQUIPMENT IS IN PROPER OPERATION. IF ANY SERVICE OR SYSTEM MUST BE INTERRUPTED, THE CONTRACTOR SHALL REQUEST PERMISSION IN WRITING STATING THE DATE, TIME, ETC. THE SERVICE WILL BE INTERRUPTED AND THE AREAS AFFECTED. THIS REQUEST SHALL BE MADE IN SUFFICIENT TIME FOR PROPER ARRANGEMENTS TO BE MADE. WRITTEN PERMISSION SHALL BE OBTAINED FROM THE OWNER BEFORE INTERRUPTING ELECTRICAL SERVICE.
5. COORDINATE NEW WORK WITH OTHER TRADES AND VERIFY EXISTING CONDITIONS TO AVOID INTERFERENCE. IN CASE OF INTERFERENCE, AT&T'S REPRESENTATIVE WILL DECIDE WHICH WORK IS TO BE RELOCATED, REGARDLESS OF WHICH WAS FIRST INSTALLED.
6. THE INSTALLATION MUST COMPLY WITH NEC AND ALL FEDERAL, STATE AND LOCAL RULES AND REGULATIONS.
7. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND EQUIPMENT UNLESS OTHERWISE DEFINED BY DIMENSIONS OR DETAILS. EXACT EQUIPMENT LOCATIONS AND RACEWAY ROUTING SHALL BE GOVERNED BY ACTUAL FIELD CONDITIONS AND/OR DIRECTIONS FROM AT&T'S REPRESENTATIVE.
8. CONTRACTOR SHALL PAY ALL PERMITS AND FEES REQUIRED.
9. ALL MATERIALS SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE STANDARDS REFERENCED BELOW:
  - a. ANSI (AMERICAN NATIONAL STANDARDS INSTITUTE)
  - b. ASTM (AMERICAN SOCIETY FOR TESTING MATERIALS)
  - c. ETL (ELECTRICAL TESTING LABORATORY)
  - d. ICEA (INSULATED CABLE ENGINEERS ASSOCIATION)
  - e. IEEE (INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS)
  - f. NFPA (NATIONAL BOARD OF FIRE UNDERWRITERS)
  - g. NESC (NATIONAL ELECTRICAL SAFETY CODE)
  - h. NEMA (NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION)
  - i. NFPA (NATIONAL FIRE PROTECTION ASSOCIATION)
  - j. UL (UNDERWRITERS LABORATORY)
  - k. NEC (NATIONAL ELECTRICAL CODE)
10. CONTRACTOR SHALL REVIEW PLANS, DETAILS AND SPECIFICATIONS IN DETAIL AND ADJUST WORK TO CONFORM WITH ACTUAL SITE CONDITIONS SO THAT ELECTRICAL DEVICES AND EQUIPMENT WILL BE LOCATED AND READILY ACCESSIBLE. QUANTITIES LISTED IN MATERIAL LISTS ON THE DRAWINGS ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL PROVIDE HIS OWN TAKEOFF FOR MATERIAL QUANTITY AND TYPES BASED ON ACTUAL SITE CONDITIONS. IN ADDITION, CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS TO INSTALL EQUIPMENT FURNISHED BY AT&T OR ITS SUPPLIERS. ALL ITEMS NOT SPECIFICALLY MENTIONED HEREIN OR SHOWN ON THE DRAWINGS, BUT WHICH ARE OBVIOUSLY NECESSARY TO MAKE A COMPLETE WORKING INSTALLATION, SHALL BE INCLUDED.
11. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) AT&T'S REPRESENTATIVE OF ANY CONFLICTS PRIOR TO THE SUBMISSION OF CONTRACTORS PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.

**ELECTRICAL NOTES:**

12. ALL FLOORS WHERE PENETRATIONS ARE REQUIRED IN BUILDING ARE TO BE CORE DRILLED AND THEN FIREPROOFED.
- B. WIRING/CONDUIT**
1. PROVIDE PULL BOXES AND JUNCTION BOXES WHERE SHOWN OR AS REQUIRED BY CODE SUCH THAT NO MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (90 DEGREES TOTAL) EXIST IN A CONDUIT RUN.
  2. ALL POWER AND CONTROL INDICATION WIRING SHALL BE TYPE THHN/THWN 600V RATED 75 DEGREES CELSIUS, UNLESS NOTED OTHERWISE.
  3. CONDUIT BENDS SHALL BE MADE IN ACCORDANCE WITH NEC TABLE 346-10. NO RIGHT ANGLE DEVICE OTHER THAN STANDARD CONDUIT ELBOWS WITH 1/2" MINIMUM INSIDE SWEEPS FOR ALL CONDUITS 2" OR LARGER.
  4. POWER WIRING SIZE SHALL NOT BE SMALLER THAN #12 AWG.
  5. ALL WIRING SHALL BE COPPER. ALUMINUM WILL NOT BE ACCEPTABLE ALL POWER CIRCUITS SHALL CONTAIN A GROUND WIRE.
  6. PHASE MARKINGS TO BE USED AT POWER CONDUCTOR TERMINATIONS.
  7. CONTRACTOR SHALL ENSURE INTEGRITY IS MAINTAINED WHEN INSTALLING CONDUIT AND WIRING.
  8. INSTALL PULL STRING IN ALL CONDUIT.
  9. FOR ROOFTOP INSTALLS AND BUILD-OUTS, CONDUITS INSIDE BUILDING AND ON ROOF SHALL BE RGS, UNLESS OTHERWISE NOTED. FOR RAW LAND SITES AND CO-LOCATES, PVC SCHEDULE 80 SHALL BE UTILIZED UNLESS NOTED OTHERWISE.
  10. MAINTAIN MINIMUM 1'-0" VERTICAL AND 1'-0" HORIZONTAL SEPARATIONS FROM ANY MECHANICAL GAS PIPING.
  11. ALL WIRING ROUTED IN PLENUM TO BE RATED OR IN METALLIC FLEX (LIQUIDTITE) CONDUIT.
- C. EQUIPMENT**
1. EQUIPMENT/PARTS CONNECTED TO EXISTING PANELS, DUCTS, ETC. SHALL MATCH THE CHARACTERISTICS (A.C. V, A) OF THAT EQUIPMENT.
  2. ALL ELECTRICAL EQUIPMENT OUTSIDE SHALL BE NEMA 3R RATED.
- D. GROUNDING**
1. ALL GROUND CONNECTIONS TO BUILDING SHALL BE MADE USING TWO-HOLE CONNECTORS. PROVIDE STAINLESS STEEL BOLTS AND LOCK WASHERS ON ALL MECHANICAL GROUND CONNECTIONS.
  2. ALL EQUIPMENT SURFACES TO BE BONDED TO GROUNDING SYSTEM SHALL BE STRIPPED OF ALL PAINT AND DIRT AT ANY POINT OF CONNECTION. CONNECTIONS TO VARIOUS METALS SHALL BE OF A TYPE AS TO PREVENT A GALVANIC OR CORROSIVE REACTION. AREA SHALL BE REPAINTED FOLLOWING BONDING.
  3. ANY METALLIC ITEM WITHIN 6' OF ANY EQUIPMENT OR METALLIC INFRASTRUCTURE (RACKS, CABLE TRAY, ETC.) OR GROUND CONDUCTORS MUST BE CONNECTED TO THE GROUNDING SYSTEM PER AT&T STANDARDS.
  4. EXTERIOR, ABOVE GRADE GROUND CONNECTIONS SHALL BE FURNISHED WITH A LIBERAL PROTECTIVE COATING OF ANTI-OXIDATION COMPOUND.
  5. ALL MATERIALS AND LABOR REQUIRED FOR THE GROUNDING SYSTEM AS INDICATED ON THE PLANS AND DETAILS, AND AS DESCRIBED HEREIN SHALL BE FURNISHED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
  6. EXACT LOCATION OF GROUND CONNECTION POINTS SHALL BE DETERMINED IN FIELD. ADJUST LOCATIONS INDICATED ON PLANS ACCORDING TO ACTUAL EQUIPMENT LOCATIONS TO KEEP THE GROUND CONNECTION CABLES AS SHORT AND STRAIGHT AS PRACTICAL.
  7. PROVIDE ALL ELECTRICAL SYSTEM AND EQUIPMENT GROUNDS AS REQUIRED BY THE CURRENT EDITION OF THE NATIONAL ELECTRIC CODE. THE CURRENT EDITION OF THE NATIONAL ELECTRICAL SAFETY CODE AND AT&T STANDARDS. BONDING JUMPERS WITH APPROVED GROUND FITTINGS SHALL BE INSTALLED AT ALL RACEWAYS, EQUIPMENT ENCLOSURES, PULL BOXES, ETC. TO MAINTAIN GROUND CONTINUITY WHERE REQUIRED BY CODE.
  8. ALL BURIED EQUIPMENT GROUND CONDUCTORS SHALL BE #2 AWG BARE, TINNED, SOLID COPPER UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- E. INSPECTION/DOCUMENTATION**
1. THE CONTRACTOR, UPON COMPLETION OF HIS WORK, SHALL PROVIDE AS-BUILT DRAWINGS. INFORMATION SHOULD BE GIVEN TO THE GENERAL CONTRACTOR FOR INCLUSION IN FINAL AS-BUILT SURVEY DOCUMENTS TO BE GIVEN TO THE OWNER.
  2. CONTRACTOR SHALL SUPPLY DOCUMENTATION ATTESTING TO THE COMPLETE GROUND SYSTEMS RESISTANCE TO GROUND (MAX. 5 OHMS).
  3. AN ELECTRICAL INSPECTION SHALL BE MADE BY AN INSPECTING AGENCY APPROVED BY AT&T'S REPRESENTATIVE. CONTRACTOR SHALL COORDINATE ALL INSPECTIONS AND OBTAIN POWER COMPANY APPROVAL.
  4. CONTRACTOR SHALL HAVE ATS AND GENERATOR RELAY INSTALLATION AND CONNECTIONS INSPECTED BY OTHERS TO ENSURE THAT UL LISTING FOR THAT EQUIPMENT IS NOT VOIDED.



**GENERAL DYNAMICS**  
Information Technology



**GEOSTRUCTURAL**  
PO BOX 2621, BOISE, ID 83701  
530.539.4787  
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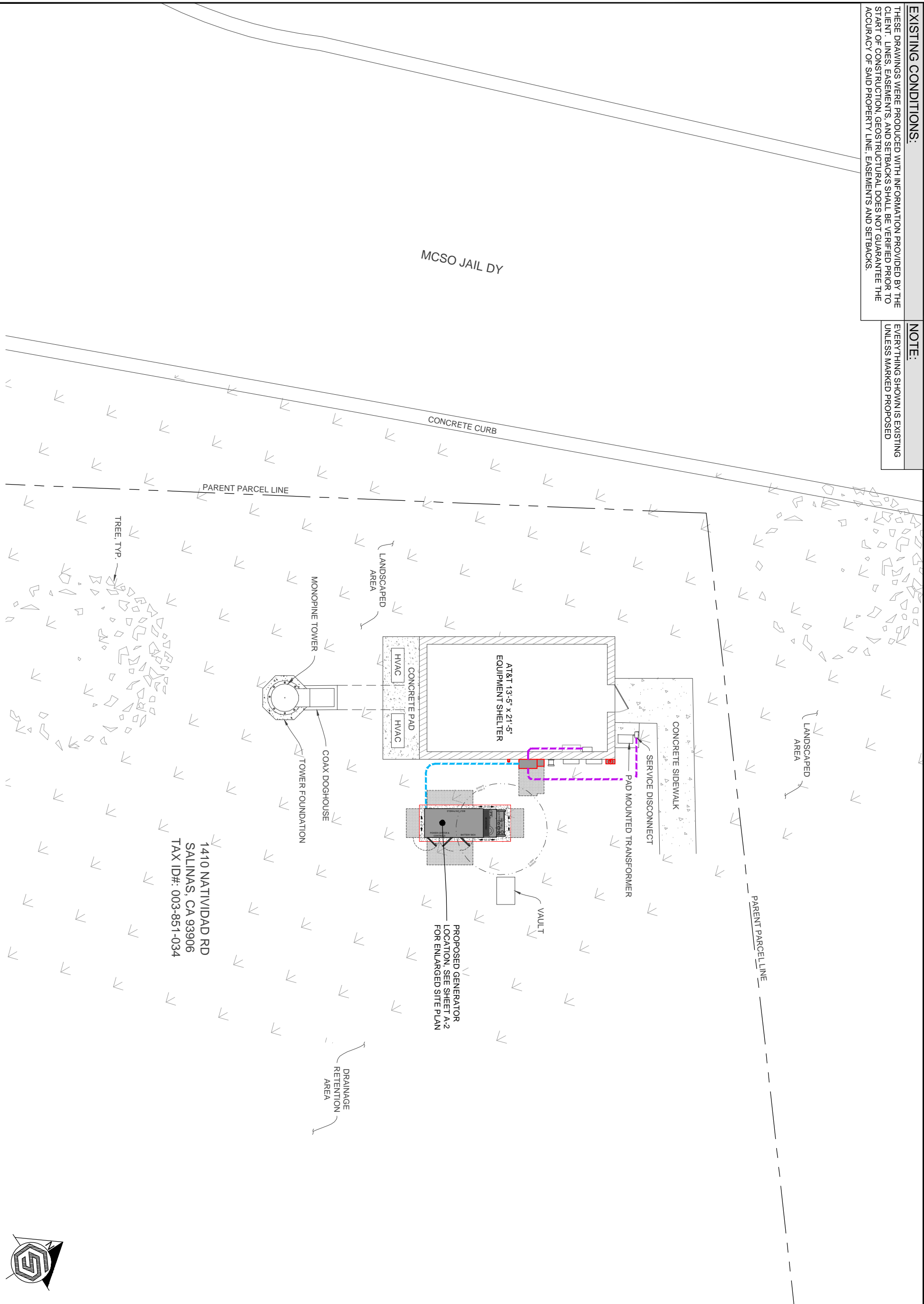
DATE SIGNED: 3/30/21  
SITE INFORMATION:  
**NATIVIDAD MED CENTER**  
10101934  
**GENERATOR INSTALLATION PROJECT**  
1410 NATIVIDAD RD  
SALINAS, CA 93906  
JURISDICTION USE:

SHEET TITLE:  
**GENERAL NOTES**  
SHEET NUMBER:  
**N-1**

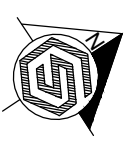
**EXISTING CONDITIONS:**  
 THESE DRAWINGS WERE PRODUCED WITH INFORMATION PROVIDED BY THE CLIENT. LINES, EASEMENTS, AND SETBACKS SHALL BE VERIFIED PRIOR TO START OF CONSTRUCTION. GEOSTRUCTURAL DOES NOT GUARANTEE THE ACCURACY OF SAID PROPERTY LINE, EASEMENTS AND SETBACKS.

**NOTE:**  
 EVERYTHING SHOWN IS EXISTING UNLESS MARKED PROPOSED

OVERALL SITE PLAN

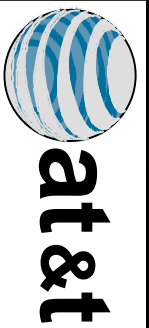


1410 NATIVIDAD RD  
 SALINAS, CA 93906  
 TAX ID#: 003-851-034



SCALE: 1" = 10'-0" (11x17)

1



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GENERATOR INSTALLATION PROJECT

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 SALINAS, CA 93906

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SHEET TITLE:  
 OVERALL SITE PLAN

SHEET NUMBER:  
 A-1

**UTILITY NOTE:**  
THE UTILITIES AS SHOWN ON THIS SET OF DRAWINGS WERE DEVELOPED FROM RECORDED INFORMATION. THE INFORMATION PROVIDED IS IMPLIED NOT INTENDED TO BE A COMPLETE INVENTORY OF THE UTILITIES IN THIS AREA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES (WHETHER SHOWN OR NOT) AND PROTECT SAID UTILITIES FROM ANY DAMAGE CAUSED BY CONTRACTOR'S ACTIVITIES.

**NOTE:**  
EVERYTHING SHOWN IS EXISTING UNLESS MARKED PROPOSED



**EXISTING CONDITIONS:**  
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**SCOPE OF WORK DETAILS:**

- GENERAL:**
- NEW GENERAC DIESEL GENERATOR PROVIDED BY GENERAL DYNAMICS & INSTALLED BY GENERAL CONTRACTOR. SEE SHEETS E-4.0, E-4.1, E-4.2.
  - NEW CONCRETE PAD PROVIDED & INSTALLED BY GENERAL CONTRACTOR. SEE SHEET S-1.
  - NEW GENERAC AUTOMATIC TRANSFER SWITCH PROVIDED BY GENERAL DYNAMICS & INSTALLED BY CONTRACTOR. SEE SHEETS S-2, E-5.0, E-5.1.
  - NEW COMPOUND EXPANSION PROVIDED & INSTALLED BY GENERAL CONTRACTOR. SEE SHEETS S-3.
  - CONTRACTOR TO VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
  - CONTRACTOR SHALL RESTORE & REPAIR ANY DAMAGED AREAS CAUSED BY CONSTRUCTION TO ORIGINAL OR BETTER CONDITION.
  - INNER AND OUTER TANK TESTING DOCUMENTATION SHALL BE PROVIDED ONCE TANK IS IN PLACE ON SITE IN ACCORDANCE WITH NFPA 30.
  - A CALIBRATION CHART OF PERMANENT AND DURABLE CONSTRUCTION SHALL BE LOCATED AT THE FILL BOX.
- CONDUITS:**
- INSTALL PULL STRING IN EACH CONDUIT.
  - (1) NEW 2" AND (1) NEW 1" ELECTRICAL CONDUIT WITH CONDUCTORS TO BE INSTALLED FROM NEW GENERATOR TO NEW ATS. CONDUIT PROVIDED AND INSTALLED BY GENERAL CONTRACTOR. SEE SHEETS E-1, E-2.
  - (2) NEW 1" ELECTRICAL CONDUITS WITH CONDUCTORS TO BE INSTALLED FROM NEW GENERATOR TO AC PANEL. CONDUIT PROVIDED & INSTALLED BY GENERAL CONTRACTOR. SEE SHEETS E-1, E-2.
  - (1) NEW 1" ALARM CONDUIT & CABLING PROVIDED & INSTALLED BY GENERAL CONTRACTOR. SEE SHEETS E-1, E-2.
- GROUNDING:**
- NEW EXOTHERMIC CONNECTION FROM EXISTING GROUND RING TO NEW MECHANICAL CONNECTION AT GENERATOR CHASSIS. GENERAL CONTRACTOR TO VERIFY LOCATION IN FIELD. LOCATE GROUND RODS NO MORE THAN 8'-0" APART. SEE SHEET E-3.
- H-FRAME:**
- CONTRACTOR TO PROVIDE NEW H-FRAME FOR ATS INSTALLATION (IF REQUIRED). MATCH EXISTING H-FRAME MATERIAL FOR CONSTRUCTION OF NEW H-FRAME. SEE SHEET S-2.

**POWER ROUTING KEYED NOTES:**

- ILC** EXISTING INTEGRATED LOAD CENTER (ILC) / ATS W/ AC DISTRIBUTION PANEL
- INT** INTERCEPT EXISTING CONDUIT AND CONDUCTORS AT DISCONNECT AFTER TRANSFORMER AND RE-ROUTE THROUGH PROPOSED ATS (-25'). COORDINATE PATH WITH CONSTRUCTION MANAGER
- AC** EXISTING AC LOAD CENTER
- CON** PROPOSED AT&T UNDERGROUND GENERATOR CONDUIT ROUTE (-20'). CONTRACTOR TO LOCATE EXISTING UTILITIES PRIOR TO EXCAVATION. SEE SHEETS E-1, E-2.
- SUB** EXISTING 100A SUB-PANEL

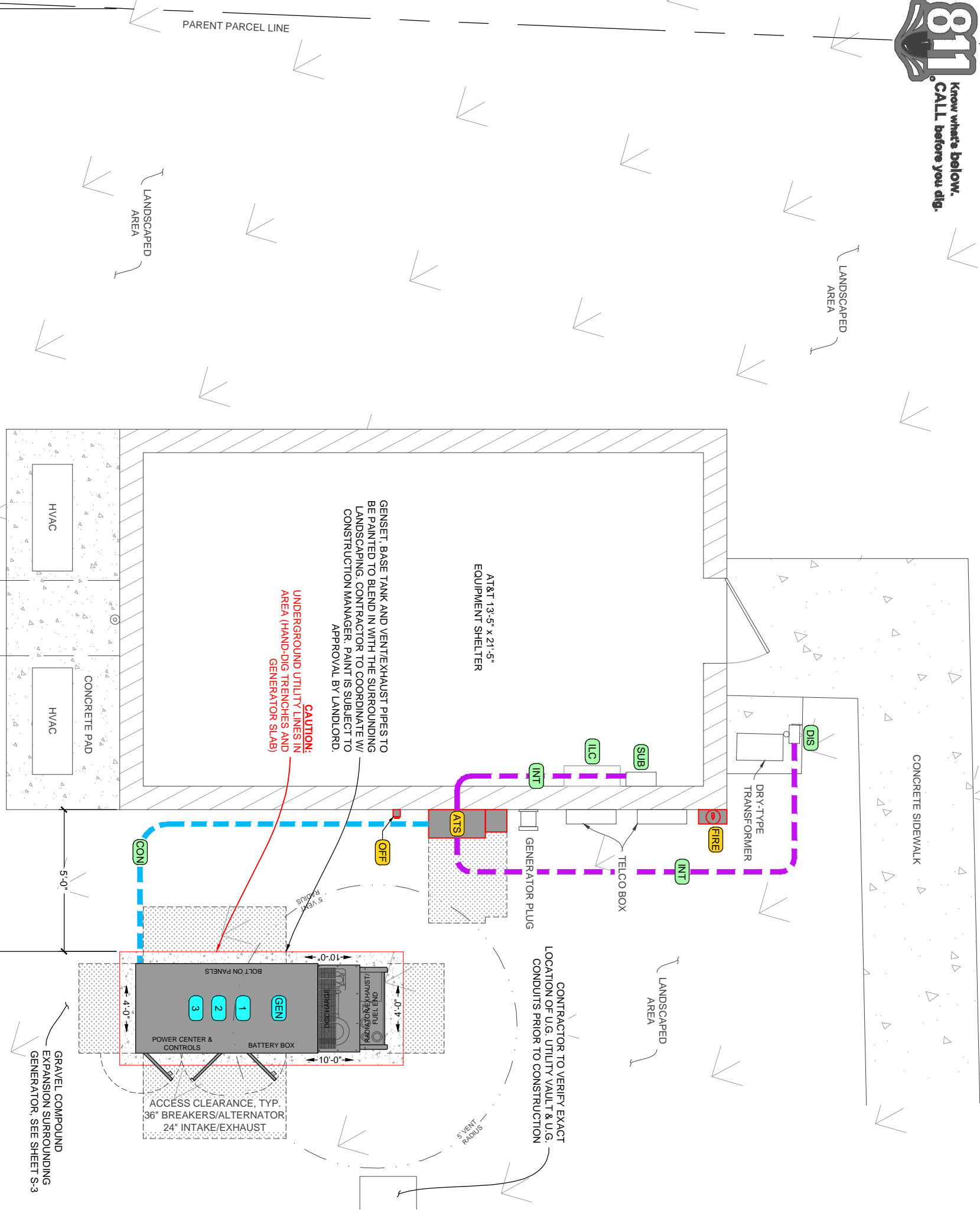
**GENERATOR KEYED NOTES:**

- GEN** PROPOSED AT&T 30KW DIESEL GENERATOR W/ SOUND ATTENUATED ENCLOSURE. NORMAL/EMERGENCY TANK VENTING AND BASE FUEL TANK ON A CONCRETE PAD. SEE SHEETS S-1, S-2, E-3.
- 1** FUEL FILL SHALL BE PROVIDED WITH SPILL CONTROL, WITH A SOLID FILL CONNECTION, AND WITH OVERFILL PREVENTION
- 2** FUEL TANK NORMAL AND EMERGENCY VENTS SHALL TERMINATE AT LEAST 12'-0" ABOVE THE ADJACENT GRADE. SEE SHEET S-2.
- 3** NFPA 704 PLACARD AND OTHER SIGNAGE. SEE SHEET S-2.

**ATS / EQUIPMENT KEYED NOTES:**

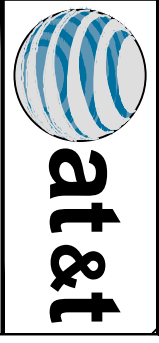
- FIRE** -FIRE EXTINGUISHER, (2A-20BC OR APPROVED EQUAL) PER CFC 906.3
- OFF** -FIRE EXTINGUISHER CABINET (BFC-7009 OR APPROVED EQUAL), MOUNT TO BUILDING WALL PER CFC 906.9
- ATS** LOCKABLE EMERGENCY SHUTOFF SWITCH, MOUNT TO BUILDING WALL PER CFC 906.9 (5'-0" MAX. ABOVE GRADE)
- ATS** PROPOSED ATS W/ CAMLOCK MOUNTED ON BUILDING WALL WITH 36" FRONT CLEARANCE. SEE SHEET S-2.

**ENLARGED SITE PLAN**



SCALE: 1/4" = 1'-0" (11x17)

1



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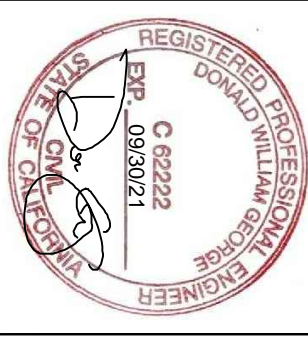


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10101934

GENERATOR INSTALLATION PROJECT  
1410 NATIVIDAD RD  
SALINAS, CA 93806

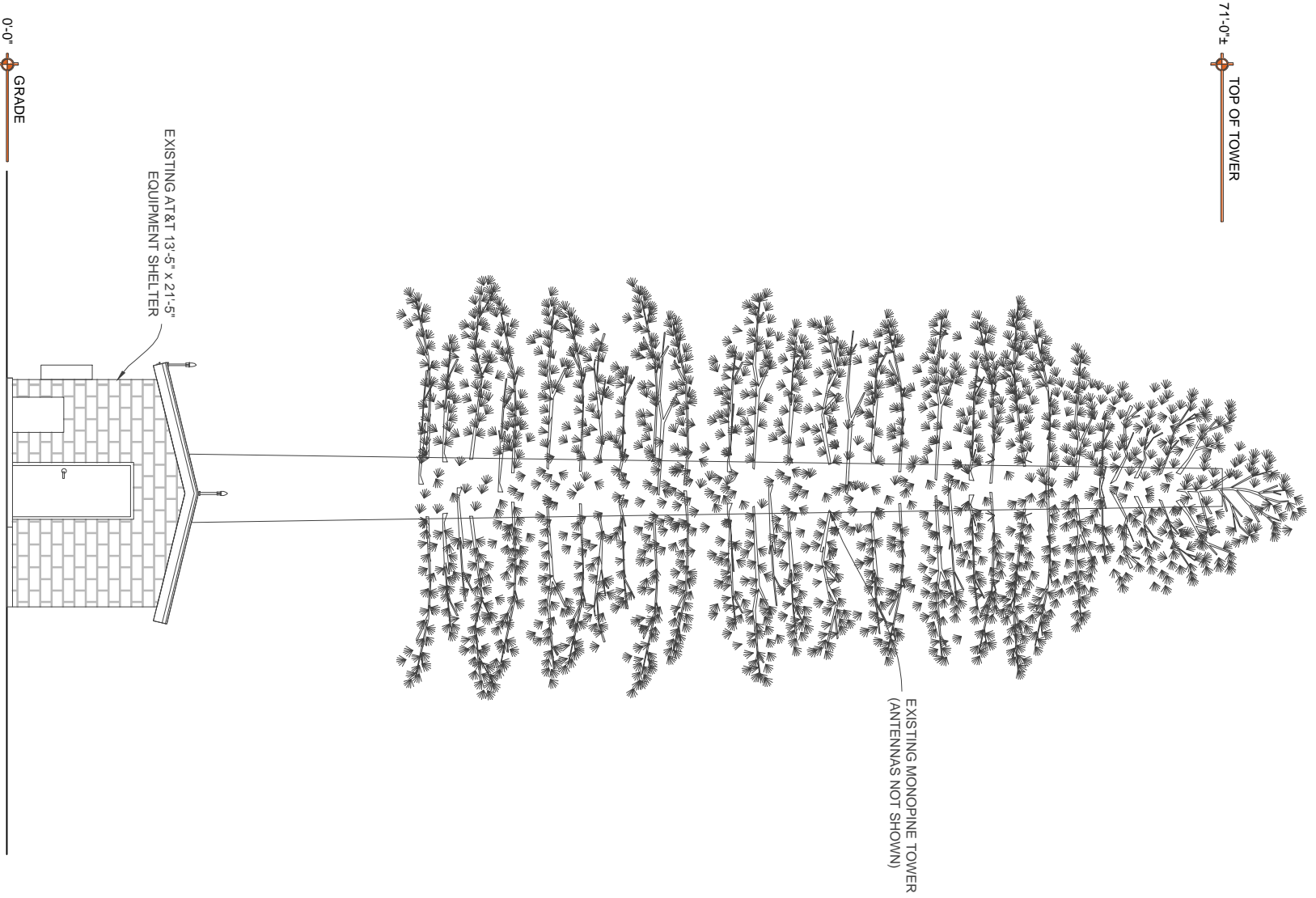
JURISDICTION USE:

SHEET TITLE:  
ENLARGED SITE PLAN

SHEET NUMBER:  
A-2

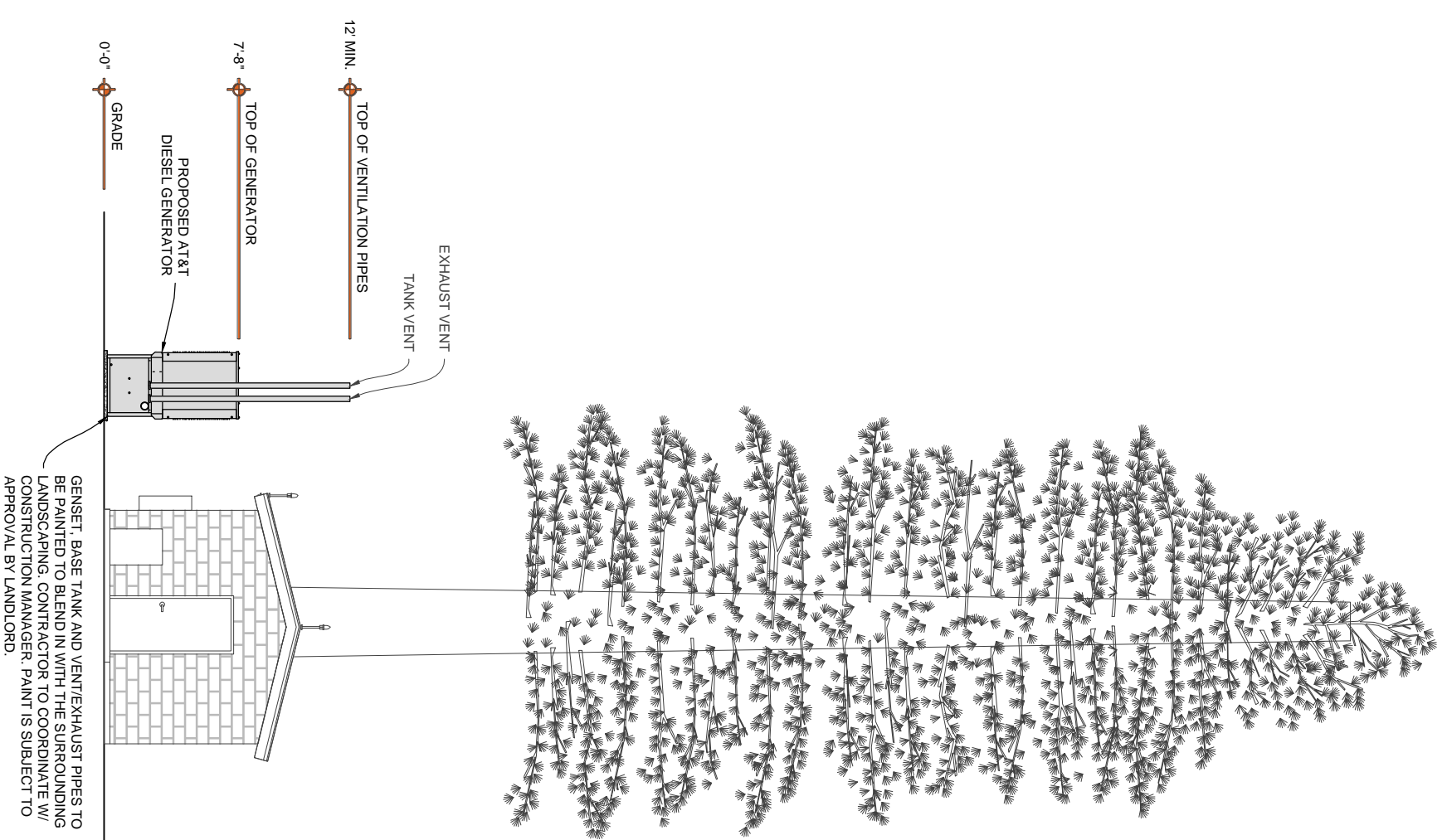


EXISTING ELEVATION VIEW



SCALE  
N.T.S. 1

PROPOSED ELEVATION VIEW



SCALE  
N.T.S. 2



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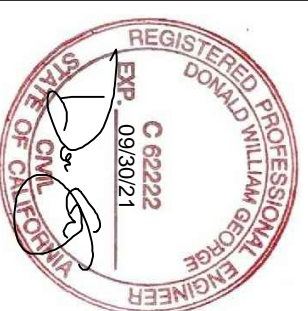
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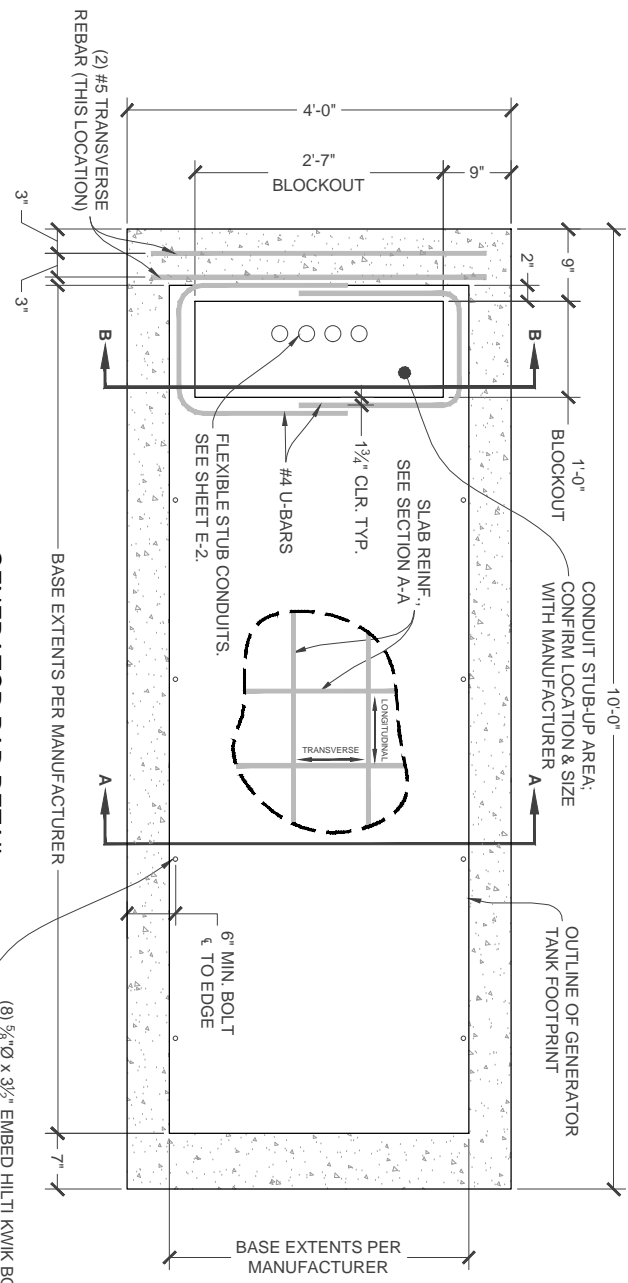
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SALINAS, CA 93906

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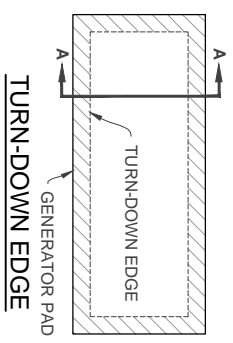
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**ELEVATION VIEWS**

SHEET NUMBER:

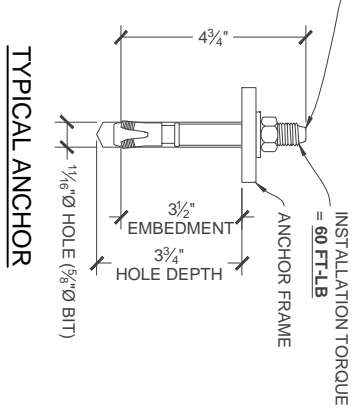
**A-3**



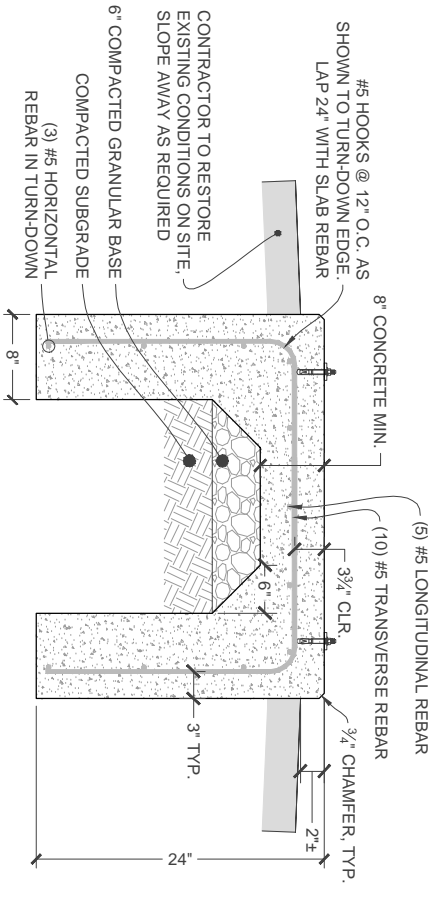
**GENERATOR PAD DETAIL**  
SCALE: 1/2"=1'-0" (11x17) 1"=1'-0" (24x36)



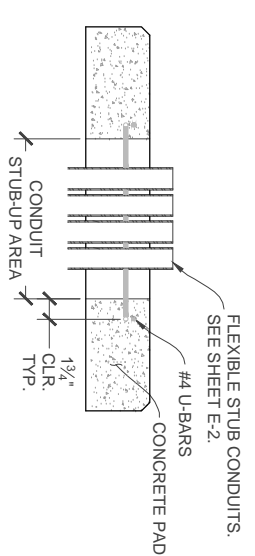
**TURN-DOWN EDGE**



**TYPICAL ANCHOR**



**GENERATOR PAD - SECTION A-A**  
SCALE: 1/2"=1'-0" (11x17) 1"=1'-0" (24x36)



**GENERATOR PAD - SECTION B-B**  
SCALE: 1/2"=1'-0" (11x17) 1"=1'-0" (24x36)

**STRUCTURAL DESIGN NOTES:**

- ALL LOADS DERIVED FROM REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE, ASCE 7 & ANSI TIA-222. BUILDING & COMMUNICATION STRUCTURES: (36.699189° / -121.63215°)
- WIND LOADS: IBC 2018 & ASCE 7-16  
V = 92 MPH ULTIMATE WIND SPEED  
STRUCTURE CLASS = II; EXPOSURE CATEGORY = C; TOPOGRAPHIC CATEGORY = 1.  
IMPORTANCE FACTOR = 1.0.
- SEISMIC LOADS: IBC 2018 & ASCE 7-16  
STRUCTURE CLASS = II; SITE CLASS = D.  
S<sub>s</sub> = 1.926; S<sub>1</sub> = 0.670; S<sub>0.5</sub> = 1.541

**CONCRETE NOTES:**

- PRIOR TO EXCAVATION, CHECK THE AREA FOR UNDERGROUND FACILITIES.
- ALL CONCRETE SHALL BE IN ACCORDANCE WITH CHAPTER 19 OF THE IBC & ACI 318. "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", LATEST EDITION & HAVE THE FOLLOWING PROPERTIES:  
A MINIMUM 28-DAY COMPRESSIVE STRENGTH (f'<sub>c</sub>) OF 2,500 PSI.  
B CEMENT SHALL BE "LOW-ALKALI" TYPE I/A (MODERATE SULFATE RESISTANCE, AIR ENTRAINING) CONFORMING TO ASTM C150.  
C MAXIMUM WATER/CEMENT RATIO OF 0.45 AND AIR-ENTRAINED 4% TO 7%.  
D CONCRETE PROPORTIONING SHALL BE DESIGNED BY AN APPROVED LABORATORY. TOLERANCES IN ACCORDANCE WITH ACI 117. COPIES OF CONCRETE MIX SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO PLACEMENT.  
E ALL AGGREGATE USED IN CONCRETE SHALL CONFORM TO ASTM C33. USE ONLY AGGREGATES KNOWN NOT TO CAUSE EXCESSIVE SHRINKAGE. MAXIMUM AGGREGATE SIZE TO BE 3/4".  
F MAXIMUM SLUMP: REFER TO GEOTECHNICAL REPORT WHEN APPLICABLE.
- FORMWORK FOR CONCRETE SHALL CONFORM TO ACI 347. TOLERANCES FOR FINISHED CONCRETE SURFACES SHALL MEET CLASS-C REQUIREMENTS. IN NO CASE SHALL FINISHED CONCRETE SURFACES EXCEED THE FOLLOWING VALUES AS MEASURED FROM NEAT PLAN LINES AND FINISHED GRADES: ±1/4" VERTICAL ± 1" HORIZONTAL.
- CHAMFER ALL EXPOSED CORNERS AND FILET ENTRANT ANGLES 3/4" U.N.O.
- CONCRETE FINISHING: CONCRETE SURFACES SHALL BE FINISHED IN ACCORDANCE WITH ACI. PROVIDE ROUGH FINISH FOR ALL SURFACES NOT EXPOSED TO VIEW AND SMOOTH FINISH FOR ALL OTHERS. U.N.O.
- STEEL REINFORCEMENT AND CONCRETE SHOULD BE PLACED IMMEDIATELY UPON COMPLETION OF THE FOUNDATION EXCAVATION. CONTRACTOR SHALL NOT ALLOW A COLD JOINT TO FORM IN THE CONCRETE. PORTION AT GRADE SHOULD BE FORMED. TEMPORARY CASING MAY BE REQUIRED TO PREVENT CAVING PRIOR TO CONCRETE PLACEMENT.

**REINFORCING STEEL NOTES:**

- ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615. VERTICAL/HORIZONTAL BARS SHALL BE GRADE 60. TIES OR STIRRUPS SHALL BE A MINIMUM OF GRADE 40. ALL REINFORCING STEEL SHALL HAVE 3" (±3%) OF CONCRETE COVER. U.N.O.
- ALL BAR BENDS, HOOKS, SPLICES AND OTHER REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ACI 315.
- ALL BARS SHALL BE SPLICED WITH A MINIMUM LAP OF 48 BAR DIAMETERS. LAP SPLICES OF DEFORMED BARS IN TENSION ZONES SHALL BE CLASS-B SPLICES. WELDING OF BARS IS NOT PERMITTED.
- AT ALL CORNERS AND WALL INTERSECTIONS, PROVIDE BENT HORIZONTAL BARS TO MATCH THE HORIZONTAL REINFORCING STEEL.
- PROVIDE VERTICAL DOWELS IN FOOTINGS AND AT CONSTRUCTION JOINTS TO MATCH VERTICAL REINFORCING BAR SIZE AND SPACING.
- ACI-APPROVED PLASTIC-COATED BAR CHAIRS OR PRECAST CONCRETE BLOCKS SHALL BE PROVIDED FOR SUPPORT OF ALL GRADE-CAST REINFORCING STEEL & SHALL BE SUFFICIENT IN NUMBER TO PREVENT SAGGING. METAL CLIPS OR SUPPORTS SHALL NOT BE PLACED IN CONTACT WITH THE FORMS OR THE SUB-GRADE.
- DOWELS AND ANCHOR BOLTS SHALL BE WIRED OR OTHERWISE HELD IN CORRECT POSITION PRIOR TO PLACING CONCRETE. IN NO CASE SHALL DOWELS OR ANCHOR BOLTS BE STABBED INTO FRESHLY-POURED CONCRETE.

**FOUNDATION & SOIL NOTES:**

- FOUNDATION DESIGN BASED ON PRESUMPTIVE MINIMUM SOIL PARAMETERS (ALLOWABLE BEARING = 1,000 PSF; ALLOWABLE PASSIVE SLIDING = 100 PSF/FT) IN ACCORDANCE WITH THE IBC AND CBC.
- THE EXCAVATION SHALL BE INSPECTED PRIOR TO THE PLACEMENT OF CONCRETE AND THE CONTRACTOR SHALL PROVIDE A NOTICE OF INSPECTION FOR THE BUILDING INSPECTOR FOR REVIEW AND RECORDS PURPOSES.
- THE CONTRACTOR SHALL DETERMINE THE MEANS AND METHODS NECESSARY TO SUPPORT THE EXCAVATION DURING CONSTRUCTION.
- ALL FOUNDATIONS TO BE PLACED ON FIRM, UNDISTURBED, INORGANIC MATERIAL. PROOF ROLL SUB-GRADE PRIOR TO PLACING CONCRETE WHERE THE MATERIAL HAS BEEN DISTURBED BY EQUIPMENT. UNACCEPTABLE/DISTURBED MATERIAL SHALL BE OVER-EXCAVATED AND REPLACED WITH "LEAN CONCRETE FILL" OR REPLACED WITH STRUCTURAL BACKFILL.
- STRUCTURAL BACKFILL SHALL BE GRANULAR FREE-DRAINING MATERIAL FREE OF DEBRIS, ORGANICS, REFUSE AND OTHERWISE DELETERIOUS MATERIALS. MATERIAL SHALL BE PLACED IN LIFTS NO GREATER THAN 6" IN DEPTH AND COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED PER ASTM D1557 (MODIFIED PROCTOR).

**MECHANICAL ANCHOR NOTES:**

- HILTI PRODUCTS MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS, AS INCLUDED IN THE ADHESIVE PACKAGING.
- CONTRACTOR SHALL AVOID DRILLING HOLES IN VERTICAL/HORIZONTAL REINFORCING BARS.
- HOLES MUST BE WIRE BRUSHED AND BLASTED WITH COMPRESSED AIR PRIOR TO INSTALLATION. TEMPERATURES/METHODS/WORKING TIME/ETC. ARE TO BE IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.



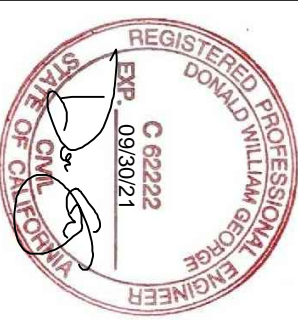
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10101934  
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1410 NATIVIDAD RD  
SALINAS, CA 93906  
JURISDICTION USE:

SHEET TITLE:  
**GENERATOR PAD DETAILS**  
SHEET NUMBER:  
**S-1**

**DANGER FLAMMABLE LIQUIDS DIESEL FUEL 190 GALLONS**

3" HIGH LETTERING

2.5" HIGH LETTERING

COLOR: RED

2" HIGH LETTERING

**DANGER DIESEL FUEL NO OPEN FLAMES**

PLACE ON VISIBLE SIDE OF PROPOSED GENERATOR TANK

30" x 24" SIGN

7.2" HIGH LETTERING

COLOR: BLUE

COLOR: RED

COLOR: YELLOW

PLACE ON (2) VISIBLE SIDES OF PROPOSED GENERATOR TANK

18" x 18" SIGN

CONTRACTOR TO PROVIDE REQUIRED SIGNAGE FOR ELECTRICAL PANELS, DISCONNECTS, TRANSFER SWITCHES, ETC. PER CALIFORNIA ELECTRICAL CODE ARTICLE 702.7

1/2" HIGH LETTERING

3/8" HIGH LETTERING

EMERGENCY CONTACTS:

AT&T CONTACT: NAME PHONE # SITE OWNER CONTACT: NAME PHONE #

PLACE ON EXTERIOR OF EXISTING SHELTER OR NEAR EXISTING AT&T LEASE AREA

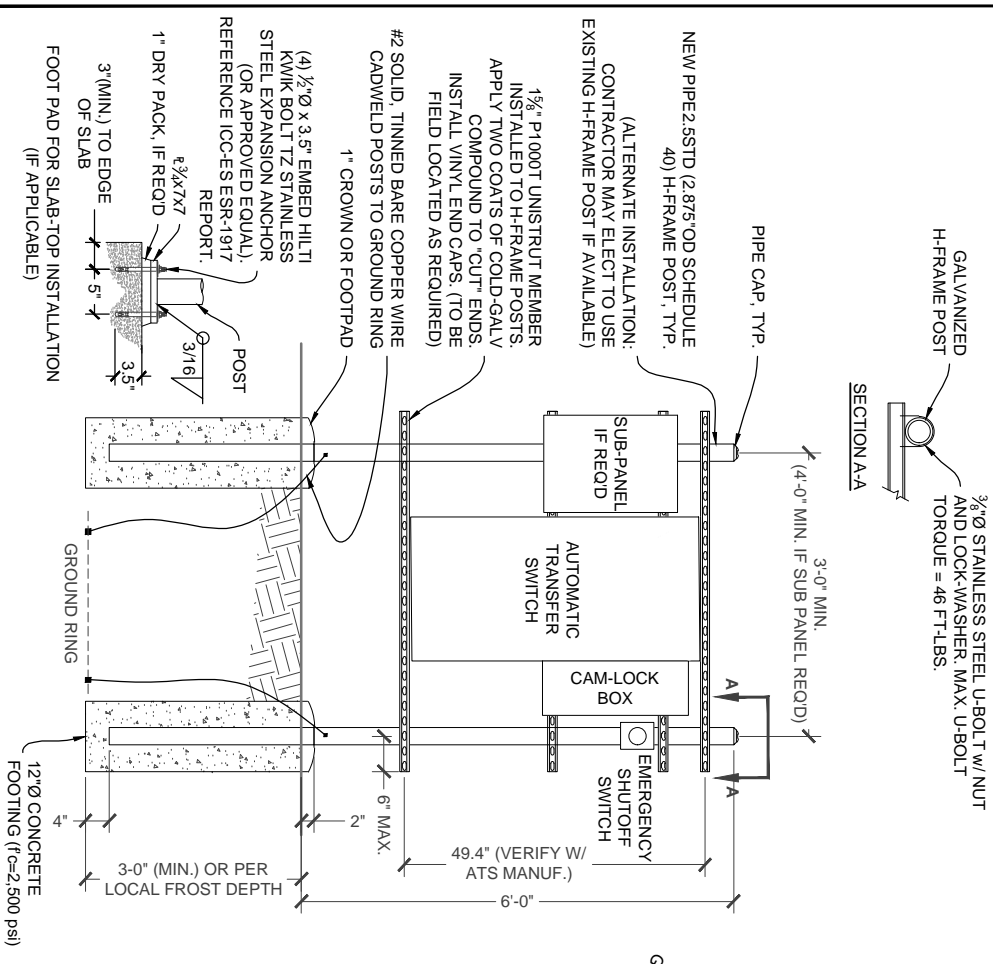
5' x 3' SIGN

**FOR FUEL & OTHER ENVIRONMENTAL EMERGENCIES CALL EH&S 1-800-566-9347 (1-800-KNOW-EHS)**

PLACE ON (2) VISIBLE SIDES OF PROPOSED GENERATOR TANK

11" x 11" SIGN

**ATS LOCATION NOTE:**  
 ATS LOCATION SHOWN IN PLANS IS THE BEST AVAILABLE BASED ON THE INFORMATION PROVIDED. ALTERNATIVE LOCATION MAY BE REQUIRED AND SHALL BE APPROVED BY CONSTRUCTION MANAGER AND/OR LANDLORD. THIS DETAIL PROVIDES ALTERNATIVE METHODS OF INSTALLATION (NOT ALL DETAILS MAY BE USED).

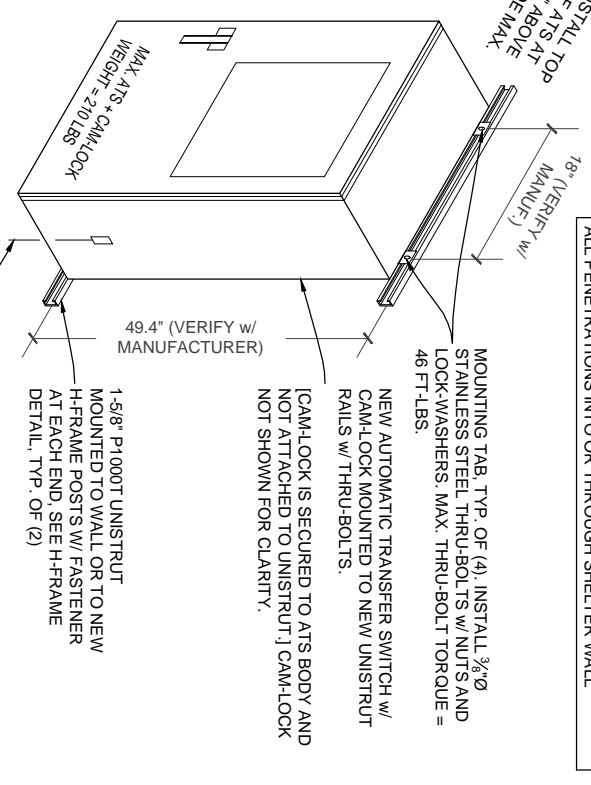


H-FRAME DETAIL (IF REQUIRED)

**REQUIRED LABELING & SIGNAGE**

UNISTRUT WALL ATTACHMENT:	
WALL CONSTRUCTION TYPE	FASTENER
HOLLOW	3/8" DIA. TOGGLE BOLT
HOLLOW, AT STUD	3/8" DIA. LAG SCREW
CONCRETE BLOCK (HOLLOW)	7/16" DIA. HILTI HY-270 WITH SCREEN MINIMUM EMBEDMENT 2-1/2"
CONCRETE (SOLID)	7/16" DIA. HILTI HY-200, MINIMUM EMBEDMENT 2-1/2"

**NOTES:**  
 1. USE GALVANIZED OR STAINLESS STEEL HARDWARE FOR WALL MOUNT AND CONNECTION OF CHANNELS  
 2. GC SHALL USE NON-SHRINKING CAULK TO WEATHER SEAL ALL PENETRATIONS INTO OR THROUGH SHELTER WALL



ATS MOUNTING DETAIL (IF REQUIRED)

**DIESEL TANK CHECKLIST:**

READILY ACCESSIBLE MANUAL SHUT-OFF VALVES SHALL BE INSTALLED ON SUPPLY PIPING AT THE POINT OF USE AND THE TANK (CFC 5003.2.2.1)

SECONDARY CONTAINMENT-TYPE TANKS SHALL BE UL LISTED, UL-142, AND COMPLY WITH ALL OF THE FOLLOWING REQUIREMENTS: OTHERWISE TRADITIONAL SPILL CONTROL OR SECONDARY CONTAINMENT MEASURES, SUCH AS DIKING, SHALL BE UTILIZED (NFPA 30 22.11.4)

CAPACITY OF DIESEL TANK SHALL NOT EXCEED 50,000 GAL.

PIPING CONNECTIONS SHALL BE ABOVE THE LIQUID LEVEL.

MEANS SHALL BE PROVIDED TO PROTECT RELEASE OF LIQUID BY SIPHON FLOW.

MEANS TO DETERMINE LIQUID LEVEL IN TANK SHALL BE PROVIDED TO DRIVER.

MEANS TO PREVENT OVERRILLING BY AN ALARM AT 90% CAPACITY AND AUTOMATICALLY STOPPING DELIVERY OF LIQUID TO THE TANK AT 95% CAPACITY.

SPACING BETWEEN ADJACENT TANKS SHALL NOT BE LESS THAN 3'.

TANK SHALL BE PROTECTED AGAINST DAMAGE FROM VEHICLES.

INTERSTITIAL SPACE SHALL HAVE EMERGENCY VENTING.

INTEGRITY OF SECONDARY CONTAINMENT SHALL BE ESTABLISHED.

THE SECONDARY CONTAINMENT SHALL WITHSTAND THE HYDROSTATIC HEAD OF THE MAXIMUM AMOUNT OF LIQUID STORED IN THE PRIMARY TANK.

**TANK LABELING AND PROTECTIONS:**

THE FOLLOWING SIGNS AND LABELS SHALL BE AFFIXED TO THE TANK.

- + DANGER-FLAMMABLE LIQUIDS\* (CFC 5703.5)
- + NFPA 704 PLACARD (CFC 5003.5)
- + NO SMOKING\* (CFC 5003.7.1)
- + EH&S
- + CONTACTS
- + CRASH PROTECTION COMPLYING WITH FC 312 SHALL BE PROVIDED (CFC 5003.9.3) (IF APPLICABLE)

**GENERATOR FEATURES:**

GENERATORS SHALL BE UL 2200 LISTED AND COMPLY WITH NFPA 37 AND NFPA 110. (CFC 604.1 AND 604.1.1) INSTALLATIONS SHALL HAVE A LABELED REMOTE MANUAL STOP (NFPA 110 5.6.5.6 & 5.6.5.6.1 AND NFPA 37 9.2.1.1)

**DOUBLE WALL FUEL TANK BASE SPECIFICATION:**

REF: AT&T 30KW GENERATOR PACKAGE  
 UL REGISTRATION NUMBER: MH 18459  
 UL 142 DOUBLE WALL FUEL TANK BASE SPECIFICATION

FUEL TANK BASE CONSTRUCTION:  
 BE CONSTRUCTED IN ACCORDANCE WITH UNDERWRITERS LABORATORIES STANDARD UL-142. BE CONSTRUCTED IN ACCORDANCE WITH FLAMMABLE COMBUSTIBLE LIQUIDS CODE, NFPA 30. THE STANDARD FOR INSTALLATION USE OF STATIONARY COMBUSTIBLE ENGINE GAS TURBINES, NFPA 37, AND THE STANDARD FOR EMERGENCY STANDBY POWER SYSTEMS, NFPA 110.  
 MINIMUM ANCHOR QUANTITY PER MANUFACTURER OR THIS PLAN SET, WHICHEVER IS LARGER.

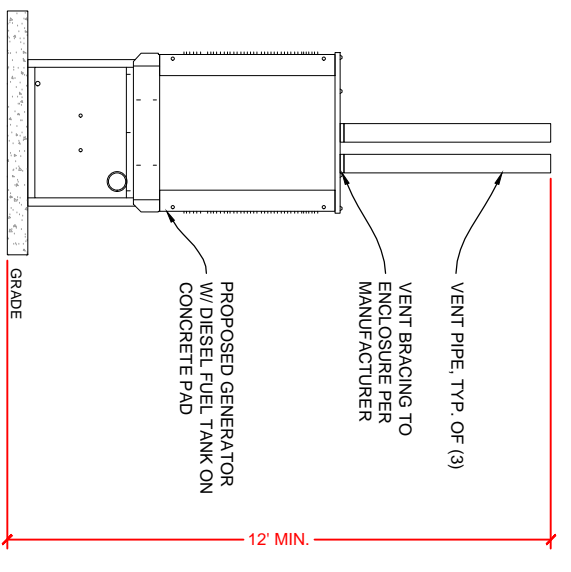
SUB BASE TANK TESTING:  
 PRIMARY TANK & SECONDARY CONTAINMENT BASIN SECTIONS SHALL BE PRESSURIZED AT 3.5 PSI AND LEAK-CHECKED TO ENSURE INTEGRITY OF SUB BASE WELD SEAMS PER UL-142 STANDARDS  
 FUEL FILL: 2.5 - 5 GALLON SPILL CONTAINMENT WITH ALARM  
 + 40% REMAINING FOR ALARM  
 + 20% REMAINING FOR SHUT-DOWN  
 FACTORY PRE-SET AT 95% FULL FOR ALARM  
 FUEL CONTAINMENT BASIN:  
 SUB BASE TANK SHALL INCLUDE A WELDED STEEL CONTAINMENT BASIN, SIZED AT A MINIMUM OF 110% OF THE TANK CAPACITY TO PREVENT ESCAPE OF FUEL INTO THE ENVIRONMENT IN THE EVENT OF A TANK RUPTURE. A FUEL CONTAINMENT BASIN LEAK DETECTOR SWITCH SHALL BE PROVIDED.

**NEPA NOTES:**

- CONSTRUCTION, INSTALLATION, MAINTENANCE, & OPERATIONAL TESTING OF EPSS SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF NFPA 110.
- ALL ELECTRICAL WORK SHALL COMPLY WITH LATEST ADOPTED EDITION OF NFPA 70 - NATIONAL ELECTRICAL CODE.

**FUEL TANK NOTES:**

THE TANK SHALL BE MANUFACTURED WITH THE FOLLOWING:  
 -INTERSTITIAL ELECTRONICALLY MONITORED RUPTURE BASIN -ALARM TO REPORT THE SPACE BETWEEN THE PRIMARY AND SECONDARY TANK  
 -OVERFILL ALERT TO VISUALLY WARN WHEN THE TANK IS FILLED UPON CAPACITY.  
 -OVERSPILL CONTAINMENT AT FILL PORT TO PREVENT SPILL OF FUEL DURING FILLING OPERATIONS.  
 -2.56 GALLON OVERSPILL CONTAINMENT W/ LOCKABLE CAP.



GENERATOR VENTING DETAIL



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SITE INFORMATION:  
**NATIVIDAD MED CENTER**  
 10101934

GENERATOR INSTALLATION PROJECT  
 1410 NATIVIDAD RD  
 SALINAS, CA 93906

JURISDICTION USE:

SHEET TITLE:  
**GENERAL STRUCTURAL DETAILS**

SHEET NUMBER:  
**S-2**

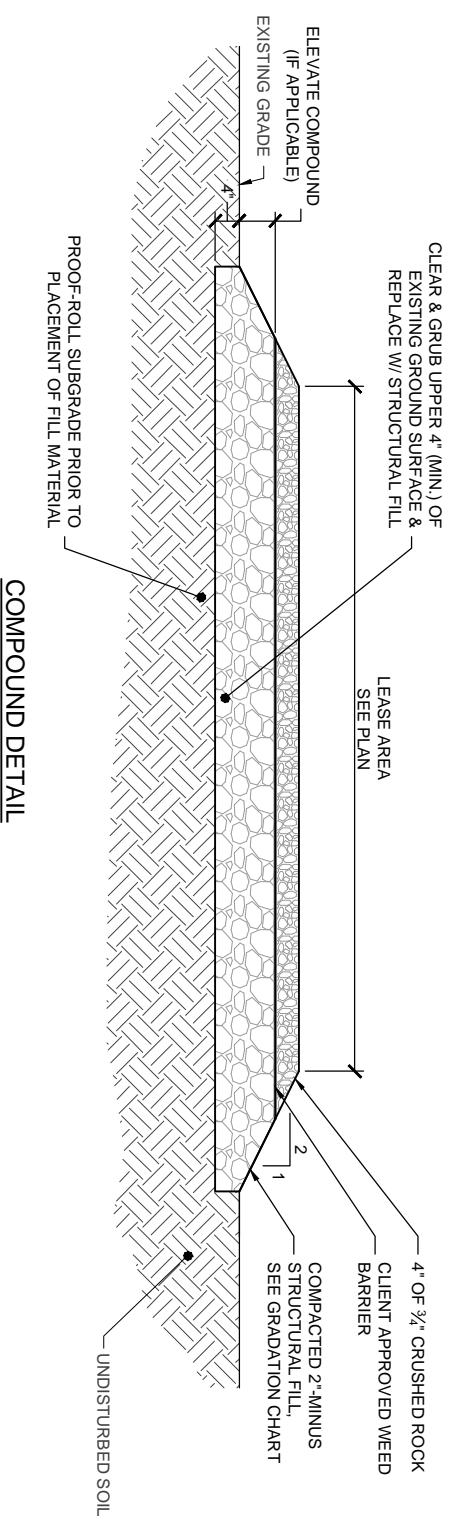
**AGGREGATE NOTES:**


- 1 THE AGGREGATE MATERIAL TO BE USED WILL BE PRODUCED FROM SOUND, TOUGH, DURABLE ROCK AND SHALL BE UNIFORM IN QUALITY AND GRADATION. THE CRUSHED MATERIAL WILL BE REASONABLY FREE FROM SOFT OR DISINTEGRATED PIECES, ORGANIC MATERIALS, AND OTHER OBJECTIONABLE MATTER.
- 2 THE AGGREGATE MATERIAL WILL SHOW A LOSS LESS THAN 35% IN THE LOS ANGELES ABRASION TEST.
- 3 THE PERCENTAGE OF SOFT PARTICLES, AS DETERMINED BY THE CLAY LUMPS AND FRIABLE PARTICLES (AASHTO T 112) SHALL NOT BE MORE THAN 5%.
- 4 THE AGGREGATE MATERIAL USED WILL NOT HAVE A SAND EQUIVALENT LESS THAN 30 IF 5% OR MORE OF THE MATERIAL PASSES THE NUMBER 200 SIEVE.
- 5 80% OF THE GRAVEL (BY WEIGHT) OF THE COMBINED COURSE AGGREGATE SHALL HAVE THREE OR MORE ROUGH ANGULAR SURFACES AND PRODUCED BY CRUSHING OF THE ROCK.
- 6 THE PLASTICITY INDEX OF THE FINISHED AGGREGATE PRODUCT SHALL NOT EXCEED 6.

**COMPACTION NOTE:**  
 STRUCTURAL FILL SHALL BE GRANULAR FREE-DRAINING MATERIAL FREE OF DEBRIS, ORGANICS, REFUSE AND OTHERWISE DELETERIOUS MATERIALS. MATERIAL SHALL BE PLACED IN LIFTS NO GREATER THAN 12" IN DEPTH AND COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED PER ASTM D1557.


**AGGREGATE GRADATION CHART:**  
 (% BY WEIGHT PASSING SIEVES)

SIEVE SIZE	2"-MINUS	¾"-MINUS
2½"	100	-
2"	90-100	-
1"	55-83	100
¾"	-	90-100
No. 4	30-60	40-65
No. 8	-	30-50
No. 30	10-25	-
No. 200	0-8	3-9





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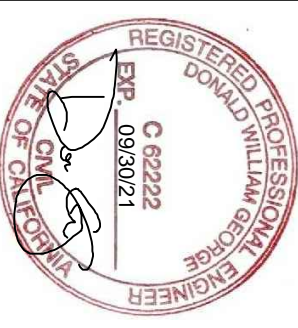
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SHEET TITLE:  
**COMPOUND DETAIL**

SHEET NUMBER:  
**S-3**

CONDUIT / WIRE SCHEDULE:				
NO.	FROM	TO	WIRES	GROUND
1	NORMAL POWER SOURCE	AUTOMATIC TRANSFER SWITCH	(3) 3/0	(1) #4
2	AUTOMATIC TRANSFER SWITCH	LOAD CENTER	(3) 3/0	(1) #4
3	GENERATOR	AUTOMATIC TRANSFER SWITCH	(3) 3/0	(1) #4
4	AUTOMATIC TRANSFER SWITCH	GENERATOR	(2) #10	(1) #10
5	SUB-PANEL	GENERATOR, ATS	(2) #12 (2) #12	(1) #12 (1) #12
6	GENERATOR	THROUGH ATS TO ALARM BLOCK	12-PAIR 24 AWG OR 2EA 6-PAIR CAT5	N/A
7	AUTOMATIC TRANSFER SWITCH	ALARM BLOCK	(2) 12-PAIR 24 AWG OR (2) 6-PAIR CAT5 (1) 1-PAIR 24AWG	N/A
8	LOAD CENTER	SUB-PANEL	(3) #10	(1) #6

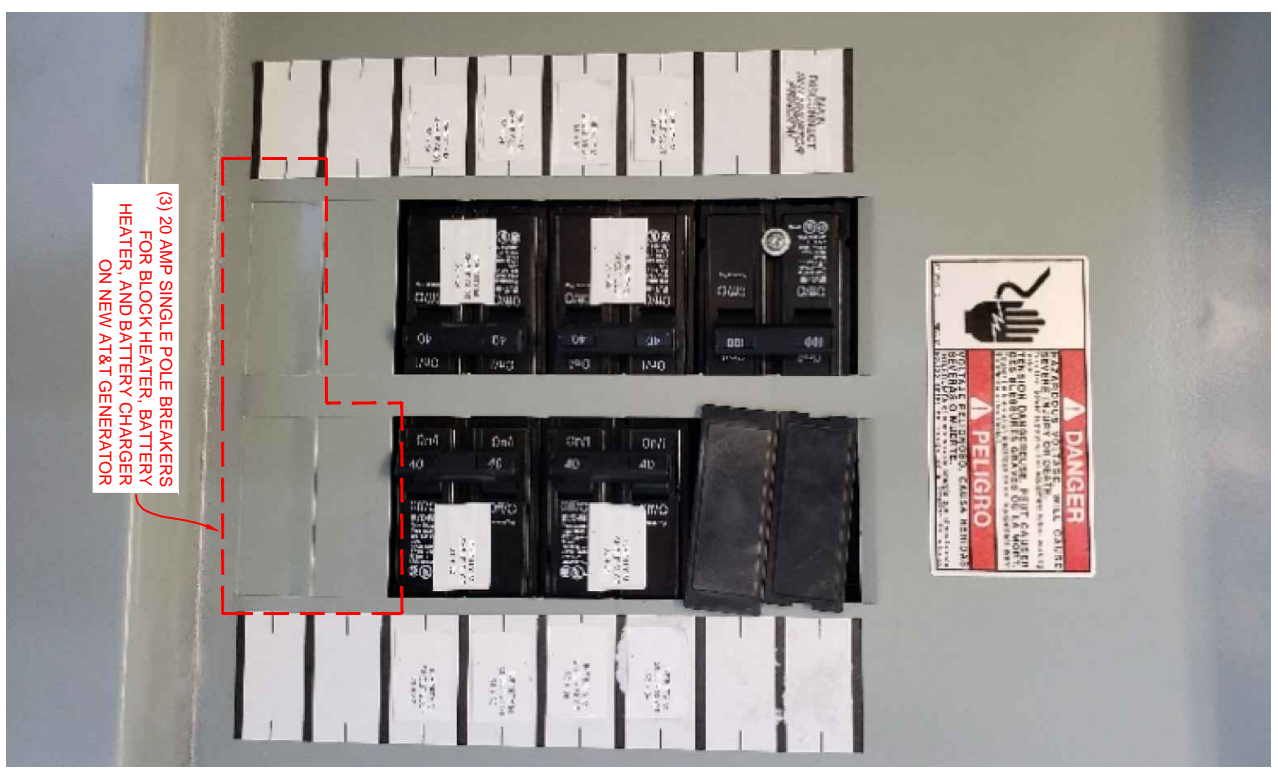
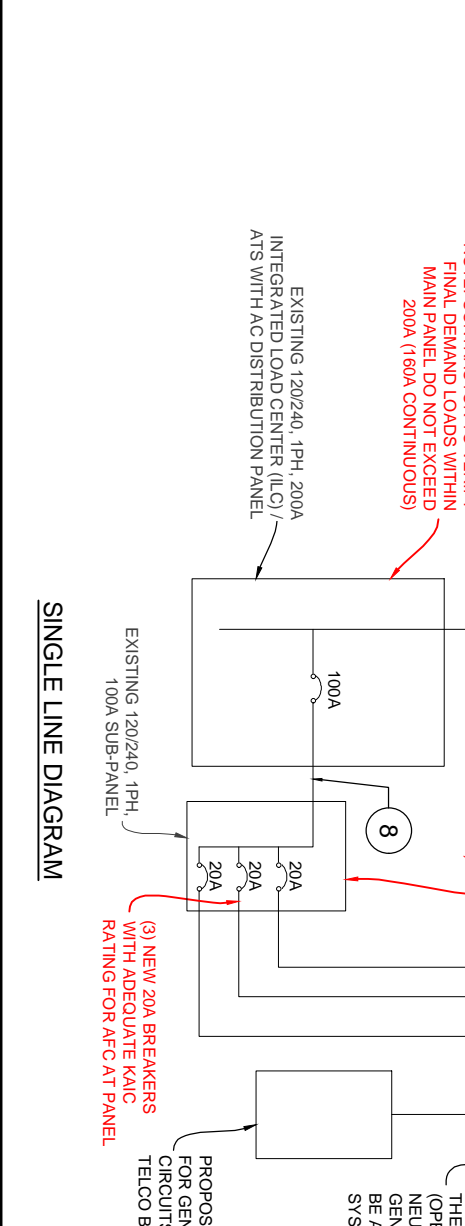
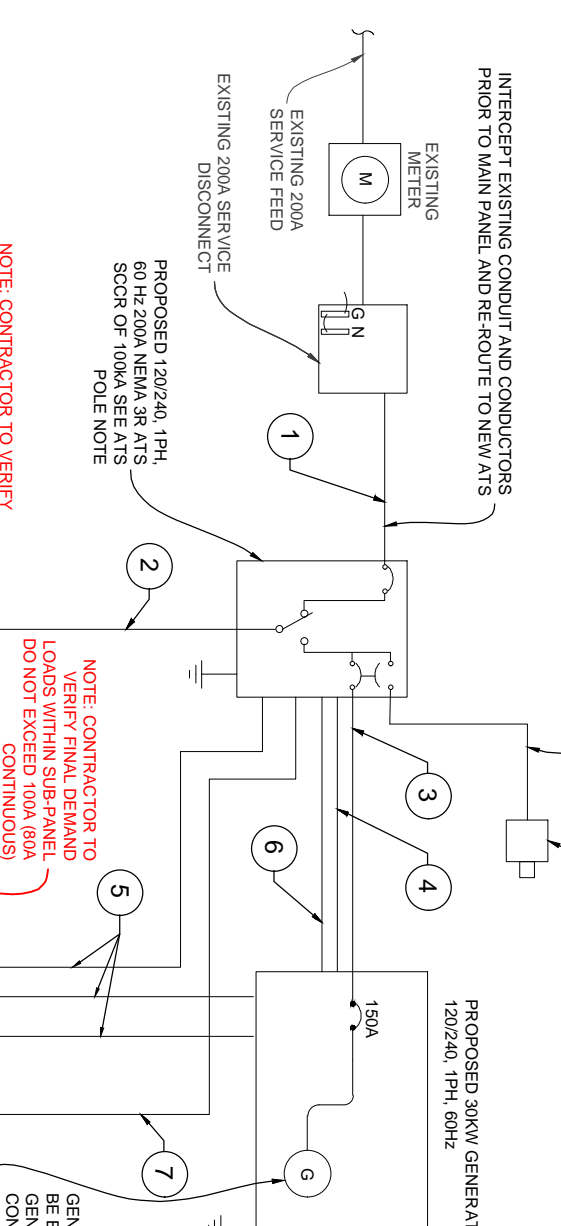
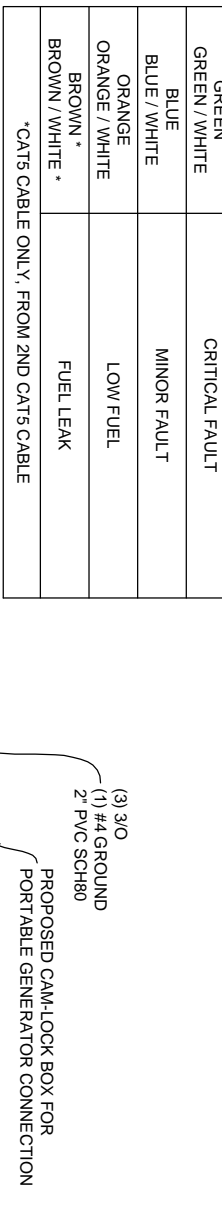
ALARM WIRE IDENTIFICATION CHART:	
WIRE	ALARM
BROWN	GENERATOR RUNNING
BROWN / WHITE	CRITICAL FAULT
GREEN	MINOR FAULT
BLUE / WHITE	LOW FUEL
ORANGE	FUEL LEAK
ORANGE / WHITE	
BROWN *	
BROWN / WHITE *	

\*CAT5 CABLE ONLY, FROM 2ND CAT5 CABLE

NOTE: ALL CONDUCTORS TO BE COPPER UNLESS NOTED OTHERWISE.

**ATS POLE NOTE:**

PROPOSED ATS/CAMLOCK ARE CONFIGURABLE FOR SINGLE OR THREE PHASE OPERATION. IN SINGLE PHASE INSTALLATIONS, 3-POLE ATS TO BE INSTALLED WITH ONE POLE NOT CONNECTED (UNUSED) AND TO BE CONFIGURED FOR DUAL-POLE USE. NEUTRAL SHALL NOT BE SWITCHED.

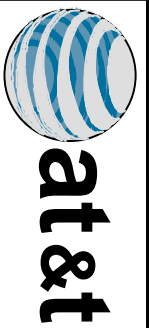


**PANEL NOTES:**

- CONTRACTOR TO LABEL WIRES WITH P-TOUCH OR SIMILAR LABELS ONLY. ABSOLUTELY NO HANDWRITTEN LABELS.
- CONTRACTOR SHALL PERFORM A POWER STUDY ON EXISTING AC PANEL PRIOR TO INSTALLING, CHANGING, ALTERING, OR REMOVING ANY BREAKER. NO WORK SHALL BE COMPLETED ON AC PANEL WITHOUT PROPER INSPECTOR OR ENGINEER APPROVED DOCUMENTATION CONFIRMING CAPACITY ON SITE. ALL WORK SHALL CONFORM TO NEC VERSION ENFORCED BY A.H.J. AT TIME OF INSTALLATION.
- CONTRACTOR SHALL VERIFY THAT THE MAXIMUM DEMAND FOR ALL CONNECTED EQUIPMENT AT THIS SITE AS CALCULATED PER NEC 220 DOES NOT EXCEED THE GENERATOR OUTPUT CIRCUIT BREAKER RATING. (SEE NOTE #4 ALSO)
- IF MAXIMUM DEMAND OF GENERATOR OUTPUT CIRCUIT BREAKER RATING AS CALCULATED PER NEC 220 IS CONTINGENT ON THE TWO HVAC UNITS NOT OPERATING CONCURRENTLY, THEN CONTRACTOR SHALL VERIFY THAT THE HVAC LEADLAG CONTROLLER IS CONFIGURED TO PREVENT CONCURRENT OPERATION. IF NOT, THEN CONTRACTOR SHALL RECONFIGURE IT AS NEEDED TO PREVENT TRIPPING THE CIRCUIT BREAKER.

**EXISTING DISTRIBUTION PANEL**

CONTRACTOR SHALL NOT SUBMIT BIDS OR PERFORM CONSTRUCTION WORK ON THIS PROJECT WITHOUT ACCESS TO THE CURRENT COMPLETE SET OF DRAWINGS LISTED IN THE TITLE-SHEET INDEX.



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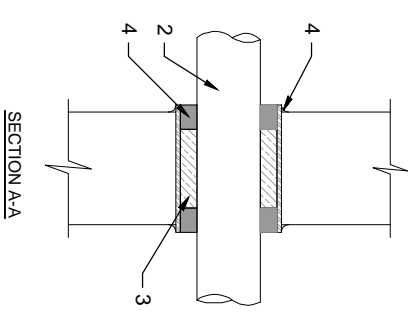
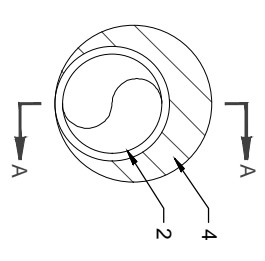
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SALINAS, CA 93906  
JURISDICTION USE:

6

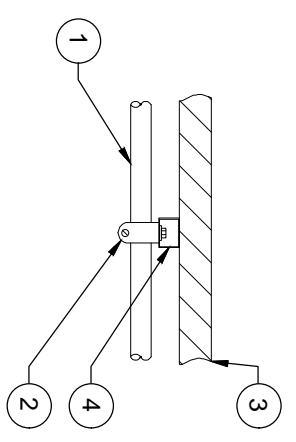


NOTE:  
1. IF EXISTING CONSTRUCTION VARIES FROM THIS DETAIL, AN EQUAL 3-HR UL PENETRATION APPROPRIATE FOR THE EXISTING WALL TYPE SHALL BE CONSTRUCTED  
2. GC SHALL USE NON-SHRINKING CAULK TO WEATHERSEAL ALL PENETRATIONS INTO OR THRU SHELTER WALL.

U.L. SYSTEM NO. C-AJ-1150  
CONDUIT THROUGH BEARING WALL SIMILAR TO U.L. DESIGN NO. U902  
F RATING = 3 HR  
T RATING = 0 HR

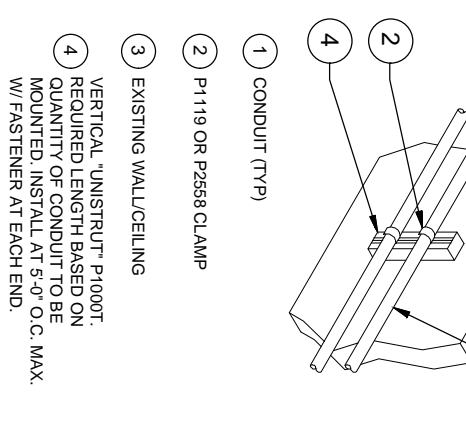
- FLOOR OR WALL ASSEMBLY : MINIMUM 4'-1/2" THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS\*. MAX DIAMETER OF OPENING IS 4". (SEE CONCRETE BLOCKS 9CATZ) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
- THROUGH PENETRATIONS : ONE METALLIC PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE ANNUAL SPACE SHALL BE MINIMUM 0" (POINT CONTACT) TO MAXIMUM 1'-3/8". THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR CONDUITS MAY BE USED:  
A. STEEL PIPE-NOMINAL 6" DIAMETER (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE  
B. IRON PIPE-NOMINAL 6" DIAMETER (OR SMALLER) CAST OR DUCTILE IRON PIPE  
C. CONDUIT - NOMINAL 4" DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR NOMINAL 3'-1/2" DIAMETER (OR SMALLER) STEEL CONDUIT.
- PACKING MATERIAL: MINIMUM 6" THICKNESS OF MIN 4.0 PCF MINERAL WOOL BATTING INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
- FILL VOID OR CAVITY MATERIAL : SEALANT: MINIMUM 1/4" THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR AND WITH BOTH SURFACES OF WALL. AT THE POINT CONTACT LOCATION BETWEEN PIPE AND CONCRETE, A MINIMUM 1/2" DIAMETER BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE CONCRETE/PIPE INTERFACE ON THE TOP SURFACE OF FLOOR AND ON BOTH SURFACES OF WALL. \*RATING APPLIES ONLY WHEN CP601S OR CP604 SEALANT IS USED.  
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. : CP601S, CP604, CP606, OR FS-ONE SEALANT.  
\* BEARING THE UL CLASSIFICATION MARK

**OUTER WALL PENETRATION DETAIL (IF APPLICABLE)**



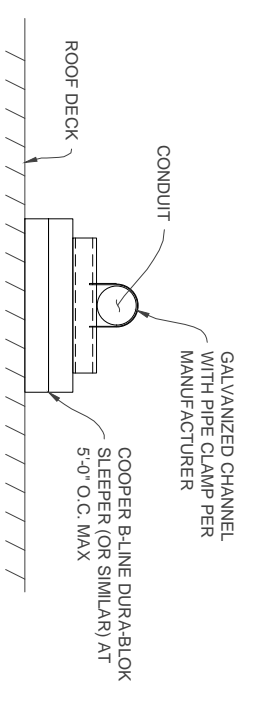
UNISTRUT WALL ATTACHMENT:	
WALL CONSTRUCTION TYPE	FASTENER
HOLLOW	3/8" DIA. TOGGLE BOLT
HOLLOW, AT STUD	3/8" DIA. LAG SCREW
CONCRETE BLOCK (HOLLOW)	7/16" DIA. HILTI HY-270 WITH SCREEN, MINIMUM EMBEDMENT 2'-1/2"
CONCRETE (SOLID)	7/16" DIA. HILTI HY-200, MINIMUM EMBEDMENT 2'-1/2"

NOTES:  
1. USE GALVANIZED OR STAINLESS STEEL HARDWARE FOR WALL MOUNT AND CONNECTION OF CHANNELS  
2. GC SHALL USE NON-SHRINKING CAULK TO WEATHER SEAL ALL PENETRATIONS INTO OR THROUGH SHELTER WALL



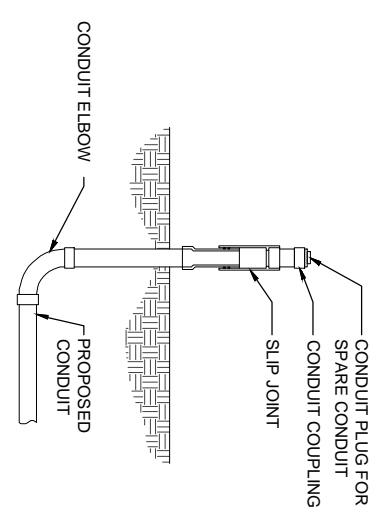
**CONDUIT WALL MOUNT DETAIL (IF APPLICABLE)**

**ROOF CONDUIT MOUNTING DETAIL (IF APPLICABLE)**



**CONDUIT NOTES:**

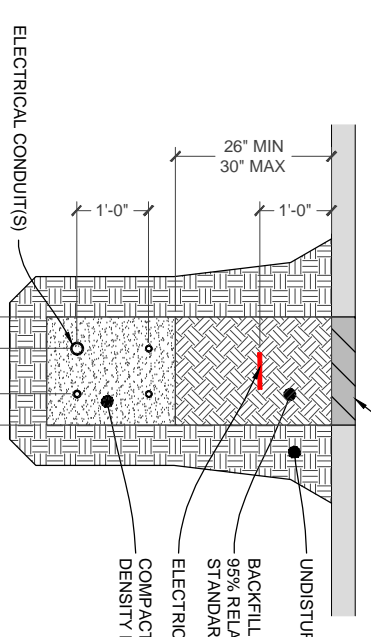
- VERIFY WIRE AND CONDUIT QUANTITY & SIZES WITH GENERATOR MAKE & MODEL # PRIOR TO INSTALLATION. VERIFY ELECTRICAL REQUIREMENTS WITH LOCAL UTILITY PROVIDER.
- ALL CONDUIT ABOVE GRADE OR IN AREAS OF HIGH TRAFFIC SHALL BE SCH 80 PVC
- PROVIDE SCH 40 PVC CONDUIT BELOW GRADE EXCEPT AS NOTED BELOW.
- PROVIDE RGS CONDUIT AND ELBOWS AT STUB UP LOCATIONS (I.E. SERVICE POLE, BTS EQUIPMENT, ETC.)
- INSTALL UTILITY PULLBOXES PER NEC.



**SLIP JOINT DETAIL (IF APPLICABLE)**

**CONDUIT NOTES:**

- VERIFY WIRE AND CONDUIT QUANTITY & SIZES WITH GENERATOR MAKE & MODEL # PRIOR TO INSTALLATION. VERIFY ELECTRICAL REQUIREMENTS WITH LOCAL UTILITY PROVIDER.
- ALL CONDUIT ABOVE GRADE OR IN AREAS OF HIGH TRAFFIC SHALL BE SCH 80 PVC
- PROVIDE SCH 40 PVC CONDUIT BELOW GRADE EXCEPT AS NOTED BELOW.
- PROVIDE RGS CONDUIT AND ELBOWS AT STUB UP LOCATIONS (I.E. SERVICE POLE, BTS EQUIPMENT, ETC.)
- INSTALL UTILITY PULLBOXES PER NEC.



**UTILITY TRENCH SECTION (IF APPLICABLE)**

CONTRACTOR TO MATCH EXISTING GRADE CONDITIONS AFTER TRENCH PLACEMENT AND COMPACTION  
(FOR PAVEMENT) CONTRACTOR TO SAW-CUT AND REMOVE EXISTING PAVEMENT. UPON REPLACEMENT, CONTRACTOR TO MATCH EXISTING PAVEMENT THICKNESS, PLACEMENT DETAILS AND DRAINAGE CONDITIONS AFTER TRENCH PLACEMENT AND COMPACTION

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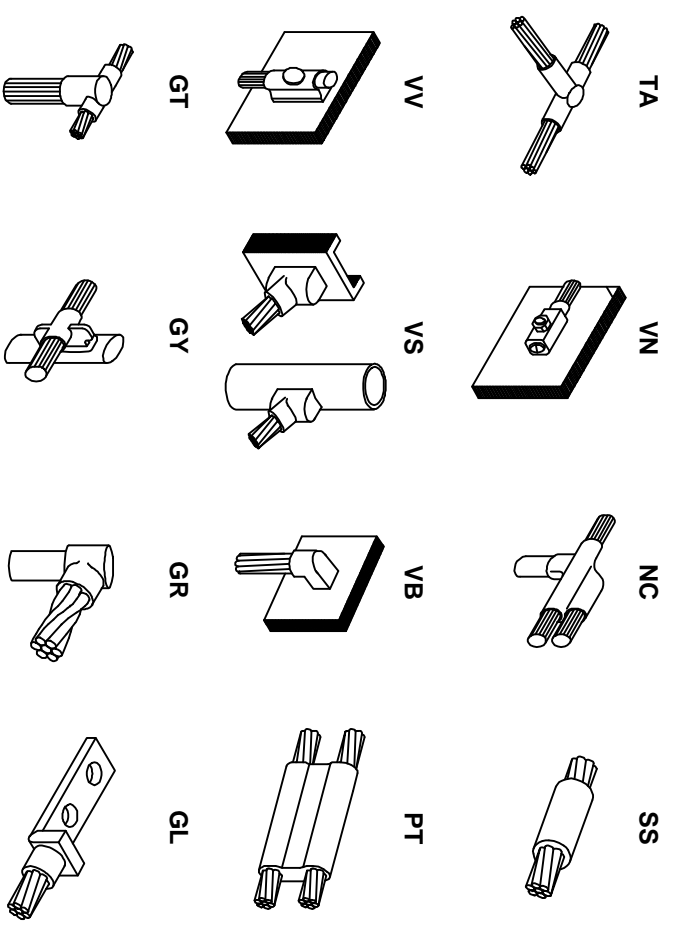
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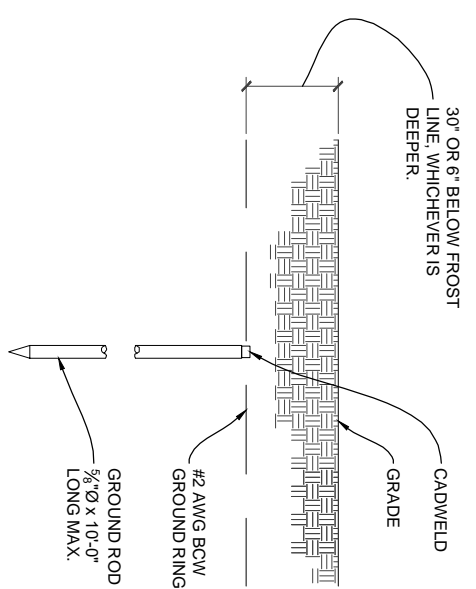
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GENERATOR INSTALLATION PROJECT  
1410 NATIVIDAD RD  
SALINAS, CA 93906  
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SHEET TITLE:  
**ELECTRICAL DETAILS**  
SHEET NUMBER:  
**E-2**



**CADWELD DETAILS**



- GROUND ROD NOTES:**
- GROUND RODS MAY BE:
    - COPPER CLAD STEEL
    - SOLID COPPER
  - GROUND RODS SHALL HAVE A MAXIMUM SPACING TWICE THE LENGTH OF ROD
  - SEE RESISTIVITY REPORT FOR VERIFICATION AS AVAILABLE
  - A LARGER CONDUCTOR SHALL BE REQUIRED IN AREAS HIGHLY PRONE TO LIGHTNING AND/OR AREAS WITH HIGHLY ACIDIC SOIL
  - GROUND RODS INSTALLED WITHIN CLOSE PROXIMITY TO TOWER OR WHEN SOIL IS AT OR BELOW 2,000 OHM-CM, SHALL BE GALVANIZED TO PREVENT GALVANIC CORROSION OF TOWER. (SEE ANSIS/TIA-E1A-222)
  - PROVIDE (1) GROUND LEAD TO EACH SIDE OF THE GENERATOR

**GROUND ROD DETAILS**

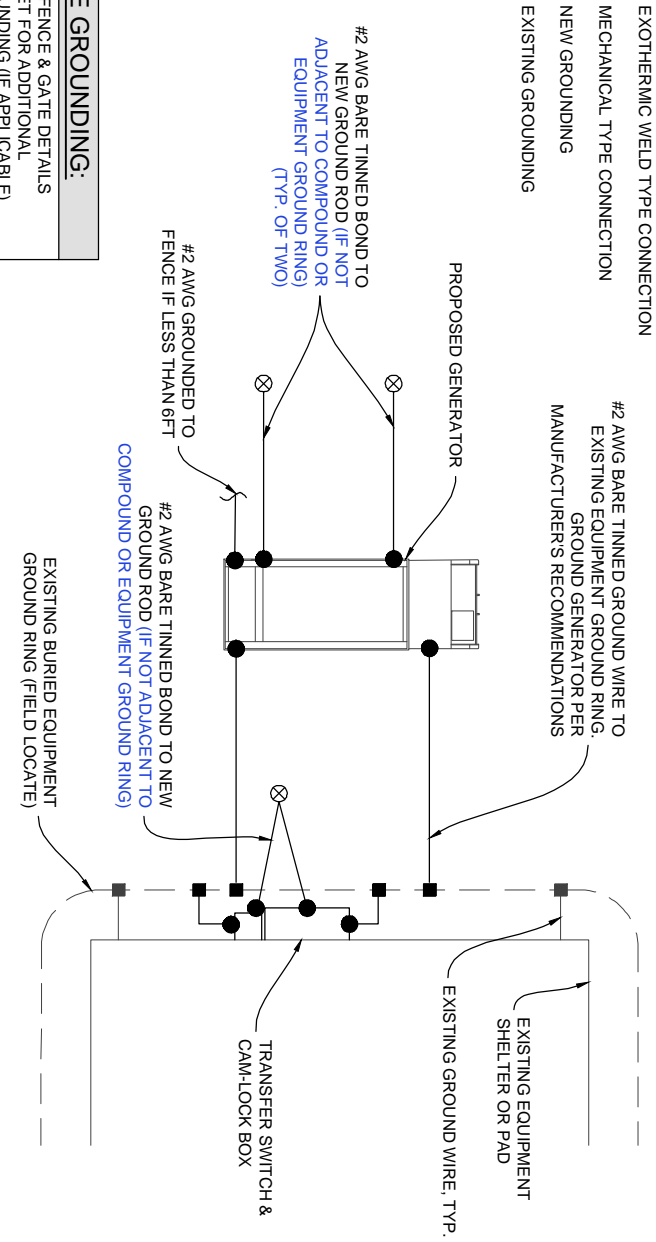
- GROUNDING NOTES:**
- IF MORE THAN 20' FROM EXISTING GROUND RING, INSTALL GROUND ROD (5/8" x 10' SS). ROD SPACING: 8' MAX. TOP OF ROD AND GROUND WIRE TO BE BELOW FROST LINE.
  - CONTRACTOR SHALL COORDINATE INCOMING SERVICES WITH LOCAL UTILITIES PRIOR TO TRENCHING.
  - ALL CONDUCTORS SHALL BE COPPER, 75 DEGREES C RATED, AND CONDUCTOR INSULATION BE THWN OR THHN.
  - ALL TERMINATION SHALL BE LISTED AND IDENTIFIED FOR USE WITH 75 C RATED CONDUCTORS OPERATING AT 75°C.
  - GROUND FAULT PROTECTION REQUIRED FOR UTILITY RECEPTACLES.
  - GENERATOR NEUTRAL SHALL NOT BE GROUNDED AT THE GENERATOR. REFER TO SINGLE LINE DETAIL, SHEET E-1.
  - EQUIPMENT LOCATED OUTSIDE OR EXPOSED TO MOISTURE SHALL BE NEMA 3R RATED.
  - CONTRACTOR SHALL USE SCHEDULE 80 PVC CONDUIT THROUGH CONCRETE AND ABOVE GROUND, UNLESS OTHERWISE NOTED.
  - ALL NEWLY INSTALLED EQUIPMENT SHALL BE RATED "AT 10K AIC" MINIMUM. HIGHER RATINGS SHALL BE REQUIRED WHERE AVAILABLE FAULT CURRENT EXCEEDS THIS VALUE. EXACT FAULT CURRENT AVAILABLE SHALL BE COORDINATED WITH LOCAL UTILITY BASED ON EXACT CONDITIONS (XFAIR SIZE, PERCENT IMPEDANCE, LENGTH OF CONDUCTORS, ETO).

**ELECTRICAL SYMBOLS LEGEND**

- EXOTHERMIC WELD TYPE CONNECTION
- MECHANICAL TYPE CONNECTION
- NEW GROUNDING
- - - EXISTING GROUNDING

- FENCE GROUNDING:**
- SEE FENCE & GATE DETAILS SHEET FOR ADDITIONAL GROUNDING (IF APPLICABLE)

**TYPICAL GROUNDING DIAGRAM**



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SHEET NUMBER:  
**E-3**

**SD030 | 2.2L | 30 kW**  
INDUSTRIAL DIESEL GENERATOR SET  
EPA Certified Stationary Emergency



**Standby Power Rating**  
30 kW, 38 kVA, 60 Hz

**Prime Power Rating\***  
27 kW, 34 kVA, 60 Hz



\*EPA Certified Prime ratings are not available in the US or its Territories



Image used for illustration purposes only

**Codes and Standards**

Not all codes and standards apply to all configurations. Contact factory for details.

- UL2200, UL508, UL489, UL142
- UL2200, UL508, UL489, UL142
- CSA C22.2
- BS5514 and DIN 6271
- SAE J1349
- NFPA 37, 70, 99, 110
- NEC700, 701, 702, 708
- ISO 3046, 7637, 8528, 9001
- ANSI C62.41

**Powering Ahead**

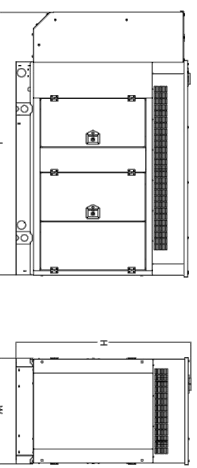
For over 50 years, Generac has provided innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial applications under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.



Run Time - Hours	Usable Capacity - Gal (l)	L x W x H - In (mm)	Weight - lbs (kg)	
			Enclosure Only	Steel   Aluminum
No Tank	-	94.8 (2,407) x 38.0 (965) x 61.1 (1,551)	-	-
19	54 (204)	94.8 (2,407) x 38.0 (965) x 74.1 (1,881)	510 (232)	341 (155)
47	132 (501)	94.8 (2,407) x 38.0 (965) x 86.1 (2,186)	-	-
75	211 (799)	94.8 (2,407) x 38.0 (965) x 98.1 (2,491)	-	-
107	300 (1,136)	94.8 (2,407) x 38.0 (965) x 98.1 (2,491)	-	-

\* All measurements are approximate and for estimation purposes only. Specification characteristics may change without notice. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.

**LEVEL 2 ACOUSTIC ENCLOSURE**

**SPEC SHEET**

1 of 6

**SD030 | 2.2L | 30 kW**  
INDUSTRIAL DIESEL GENERATOR SET  
EPA Certified Stationary Emergency



**STANDARD FEATURES**

- ENGINE SYSTEM**
  - Oil Drain Extension
  - Air Cleaner
  - Fan Guard
  - Stainless Steel Flexible Exhaust Connection
  - Factory Filled Oil and Coolant
  - Radiator Duct Adapter (Open Set Only)
  - Critical Silencer (Enclosed Unit Only)
  - Engine Coolant Heater
- Fuel System**
  - Fuel Lockoff Solenoid
  - Primary Fuel Filter
- Cooling System**
  - Closed Coolant Recovery System
  - UV/Ozone Resistant Hoses
  - Factory-Installed Radiator
  - Radiator Drain Extension
  - 50/50 Ethylene Glycol Antifreeze
- Electrical System**
  - Battery Charging Alternator
  - Battery Cables
  - Battery Tray
  - Rubber-Booted Engine Electrical Connections
  - Solenoid Activated Starter Motor
- ALTERNATOR SYSTEM**
  - UL2200 GEPProtect™
  - Class H Insulation Material
  - 2/3 Pitch
  - Skewed Stator
  - Brushless Excitation
  - Sealed Bearing
  - Rotor Dynamically Spin Balanced
  - Amortisseur Winding (3-Phase Only)
  - Full Load Capacity Alternator
  - Protective Thermal Switch
- ENCLOSURE (If Selected)**
  - Rust-Proof Fasteners with Nylon Washers to Protect Finish
  - High Performance Sound-Absorbing Material (Sound Attenuation Enclosures)
  - Gasketed Doors
  - Stamped Air-Intake Louvers
  - Upward Facing Discharge Hoods (Radiator and Exhaust)
  - Stainless Steel Lift Off Door Hinges
  - Stainless Steel Lockable Handles
  - RhinoCoat™ - Textured Polyester Powder Coat Paint
- GENERATOR SET**
  - Internal Genset Vibration Isolation
  - Separation of Circuits - High/Low Voltage
  - Separation of Circuits - Multiple Breakers
  - Wrapped Exhaust Piping
  - Standard Factory Testing
  - 2 Year Limited Warranty (Standby Rated Units)
  - 1 Year Limited Warranty (Prime Rated Units)
  - Silencer Mounted in the Discharge Hood (Enclosed Unit Only)
- FUEL TANKS (If Selected)**
  - UL 142/ULC 5601
  - Double Wall
  - Normal and Emergency Vents
  - Sloped Top
  - Sloped Bottom
  - Factory Pressure Tested
  - Rupture Basin Alarm
  - Fuel Level
  - Check Valve in Supply and Return Lines
  - RhinoCoat™ - Textured Polyester Powder Coat Paint
  - Stainless Steel Hardware

NOTE: IT IS RECOMMENDED THAT BATTERY BE WITHIN LEAK CONTAINMENT BOX OR TRAY

**CONTROL SYSTEM**



- Digital H Control Panel- Dual 4x20 Display**
  - Audible Alarms and Shutdowns
  - Not in Auto (Flashing Light)
  - Auto/Off/Manual Switch
  - E-Stop (Red Mushroom-Type)
  - NFPA110 Level I and II (Programmable)
  - Customizable Alarms, Warnings, and Events
  - Modbus® Protocol
  - Predictive Maintenance Algorithm
  - Sealed Boards
  - Password Parameter Adjustment Protection
  - Single Point Ground
  - 16 Channel Remote Tending
  - 0.2 msec High Speed Remote Tending
  - Alarm Information Automatically Annunciated on the Display
- Program Functions**
  - Programmable Crank Limiter
  - 7-Day Programmable Exerciser
  - Special Applications Programmable Logic Controller
  - RS-232/485 Communications
  - All Phase Sensing Digital Voltage Regulator
  - 2-Wire Start Capability
  - Date/Time Fault History (Event Log)
  - Isochronous Governor Control
  - Waterproof/Sealed Connectors
- Full System Status Display**
  - Power Output (KW)
  - Power Factor
  - KW Hours, Total, and Last Run
  - Real/Reactive/Apparent Power
  - All Phase AC Voltage
  - All Phase Currents
- Alarms and Warnings**
  - Oil Pressure
  - Coolant Temperature
  - Coolant Level
  - Engine Speed
  - Battery Voltage
  - Frequency
  - Oil Pressure
  - Coolant Temperature
  - Coolant Level
  - Engine Overspeed
  - Battery Voltage
  - Alarms and Warnings Time and Date Stamped
  - Snap Shots of Key Operation Parameters During Alarms and Warnings
  - Alarms and Warnings Spelled Out (No Alarm Codes)

**SPEC SHEET**

2 of 6

**GENERAC 30KW GENERATOR SPECIFICATIONS**



**GENERAL DYNAMICS**  
Information Technology



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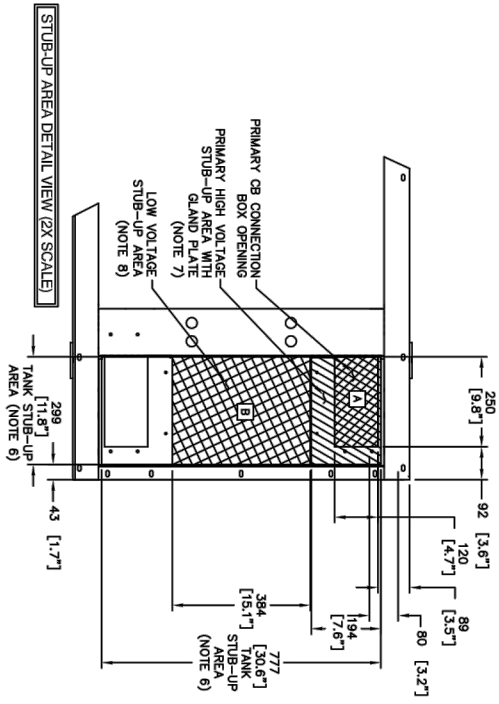
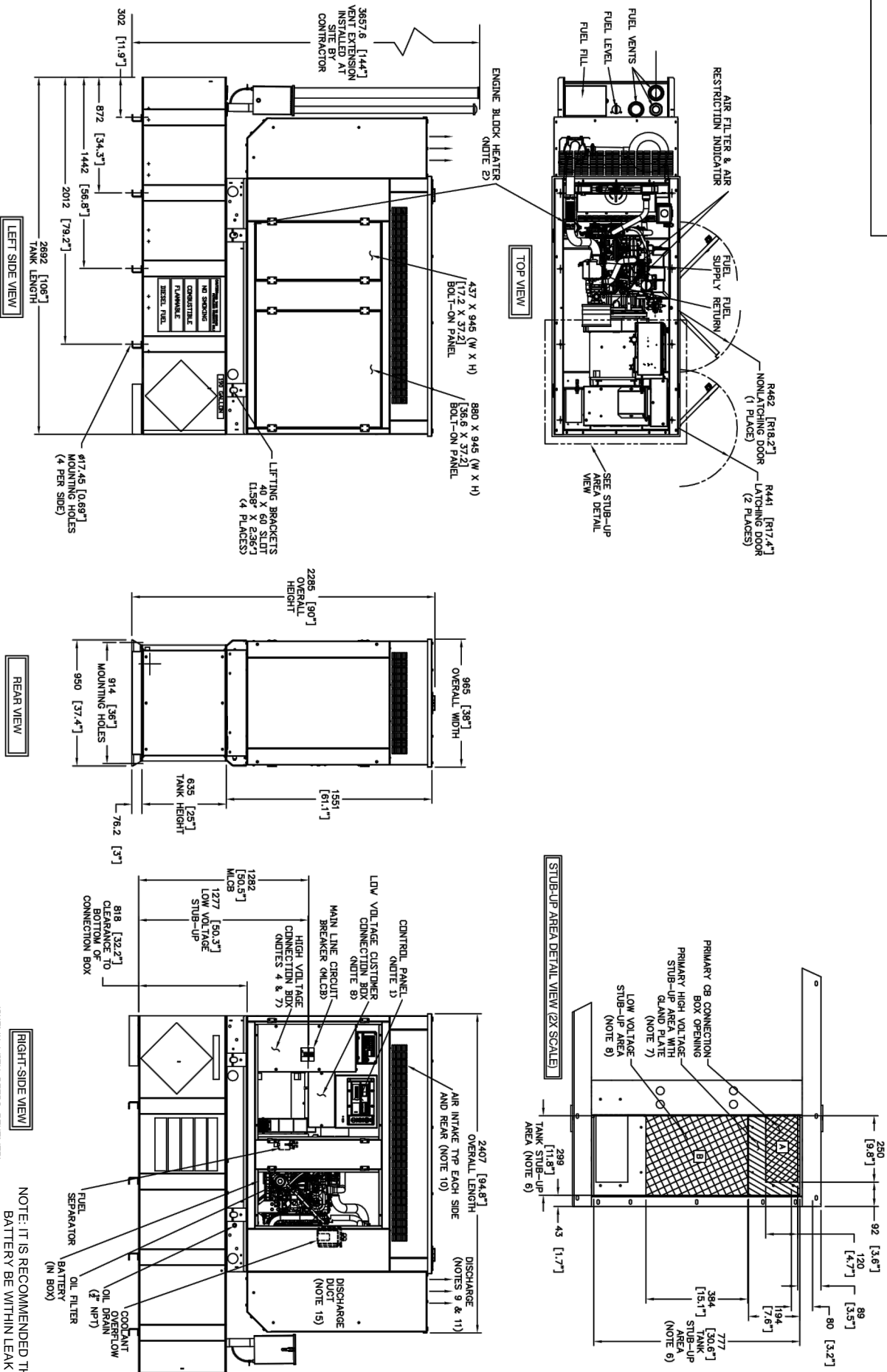
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1410 NATIVIDAD RD  
SALINAS, CA 93806  
JURISDICTION USE:

SHEET TITLE:  
**GENERATOR SPECIFICATIONS**  
SHEET NUMBER:  
**E-4.0**



0J7500D-ATT



RECOMMENDED ELECTRICAL STUB-UPS (SEE DETAILED VIEW & TOP VIEW)	
DESCRIPTION	INSIDE DIMENSIONS
HIGH VOLTAGE STUB-UP AREA	777
1) AC LOAD LEAD CONDUIT AREA	777
2) 120/240 VAC FROM UTILITY (BY OTHERS)	777
(GROUND PLATE INCLUDED)	
LOW VOLTAGE STUB-UP AREA	777
1) TRANSFER SWITCH/COMMUNICATIONS AND 2-WIRE START MUST NOT BE RUN IN CONDUIT WITH AC WIRING.	
(SEE NOTE 8)	

- NOTES:
- CONTROL PANEL INCLUDES BATTERY CHARGER WITH THREE PRONG CORO.
  - 1500W 120VAC ENGINE BLOCK HEATER WITH THREE PRONG CORO.
  - 12 VOLT NEGATIVE GROUND SYSTEM.
  - GENERATOR MUST BE GROUNDED.
  - UNIT OPTIONS, WEIGHT & WEIGHT MAY VARY SLIGHTLY DUE TO TANK STUB-UP AREA.
  - STUB-UPS: BASE TANK REQUIRES ALL STUB-UPS TO BE IN THE REAR TANK STUB-UP AREA.
  - HIGH VOLTAGE STUB-UP AREA INCLUDES THE AC LOAD LEAD CONNECTION AND AUXILIARY 20V ZIGZAG CONNECTION. BOTTOM OF LOW VOLTAGE TO THE MAIN LINE CONNECTIONS, BOTTOM OF LOW VOLTAGE CONNECTION BOX HAS ANKOUTS FOR 1/2" AND 3/4" CONDUIT FITTINGS.
  - MUST ALLOW FREE FLOW OF DISCHARGE AIR AND EXHAUST. SEE SPEC SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
  - MUST ALLOW FREE FLOW OF INTAKE AIR. SEE SPEC SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
  - AVAILABLE AND THAT DISCHARGE AIR FROM THE RADIATOR IS NOT RECIRCULATED.
  - IT IS THE RESPONSIBILITY OF THE INSTALLATION TECHNICIAN TO ENSURE THAT THE GENERATOR INSTALLATION COMPLIES WITH ALL APPLICABLE CODES, STANDARDS, AND REGULATIONS.
  - 190 GALLON USABLE CAPACITY BASETANK IS INCLUDED WITH GENERATOR.
  - FOR INFORMATION REGARDING TESTING OF THE TANK THIS HAS BEEN DONE TO FACILITATE PRESSURE TESTING OF THE TANK IN THE FIELD.
  - AND PLUGGED BETWEEN ENGINE AND FUEL TANK. THIS HAS BEEN DONE FOR INFORMATION REGARDING CONNECTING THE FUEL SUPPLY AND RETURN LINES PRIOR TO START UP. SEE THE FUEL TANK FIELD TESTING PROCEDURE (GEOR2) SUPPLIED IN THE TANK LOOSE VENTS KIT, WHICH IS SHIPPED WITH THIS GENERATOR.
  - THE MAIN LINE DISCHARGE DUCT REMOVAL, REMOVAL OF DUCT WILL PROVIDE ACCESS TO MUFFLER FOR SERVICING.

WEIGHT DATA (INCLUDES EMPTY FUEL TANK)  
 GENERATOR: 1409 KG (3108 LBS)  
 GENERATOR WITH WOODEN SHIPPING SKID: 1474 KG (3250 LBS)  
 UNITS: mm (INCHES)

NOTE: IT IS RECOMMENDED THAT BATTERY BE WITHIN LEAK CONTAINMENT BOX OR TRAY (SHOWN WITH DIMS REMOVED)

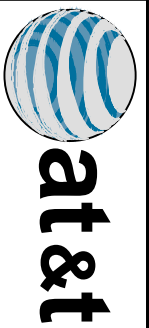
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INSTALL SD030		<b>GENERAC POWER SYSTEMS</b> <b>Waukeshah</b> P.O. BOX 8 WAUKESHA, WIS. 53187
DIESEL 2.4L G16		
L2A Y02 SSM		SIZE <b>B</b>
190 GAL EXT VNT/FILL BASETANK		FIRST USE <b>CALIFORNIA</b>
SCALE	DWG NO.	REV
	0J7500D	<b>A</b>

GENERAC 30KW GENERATOR SPECIFICATIONS



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SHEET TITLE:  
**GENERATOR SPECIFICATIONS**  
 SHEET NUMBER:  
**E-4.1**

SH	REV	A	WINDCHILL VERSION
1/1			A.3

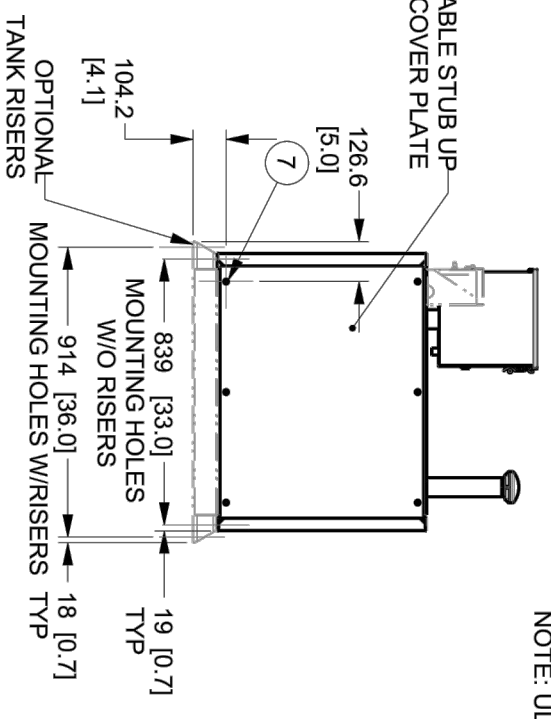
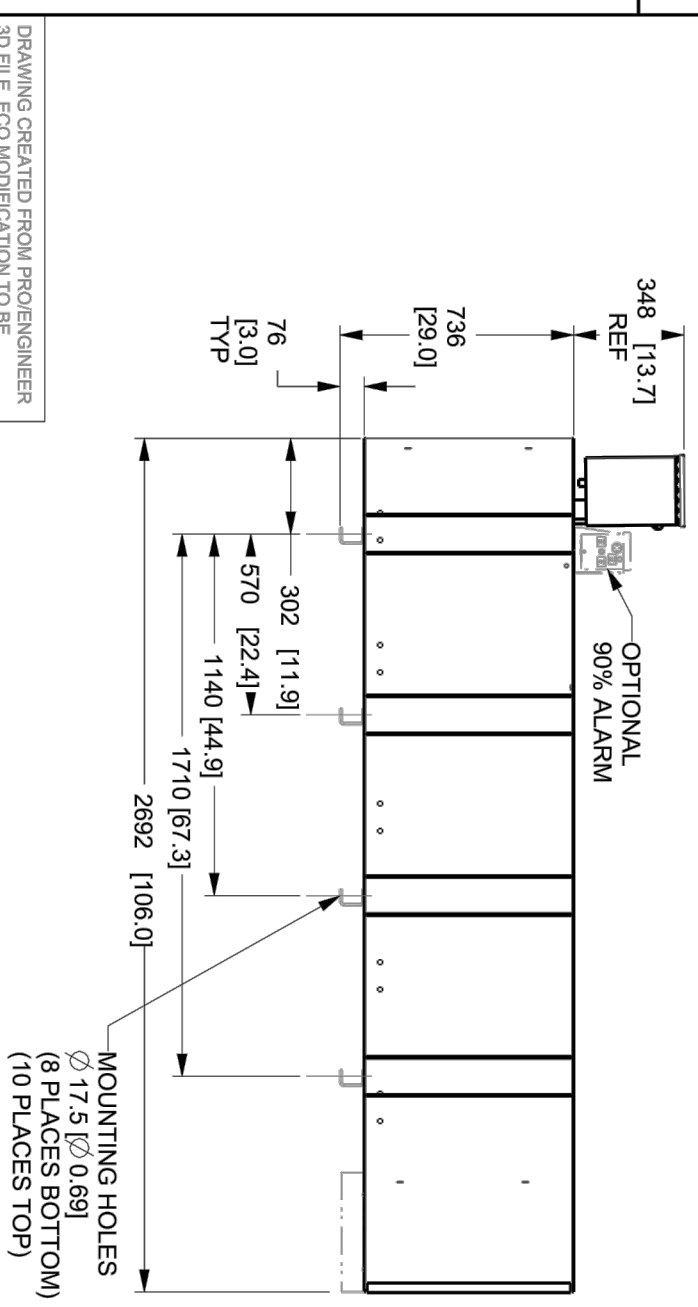
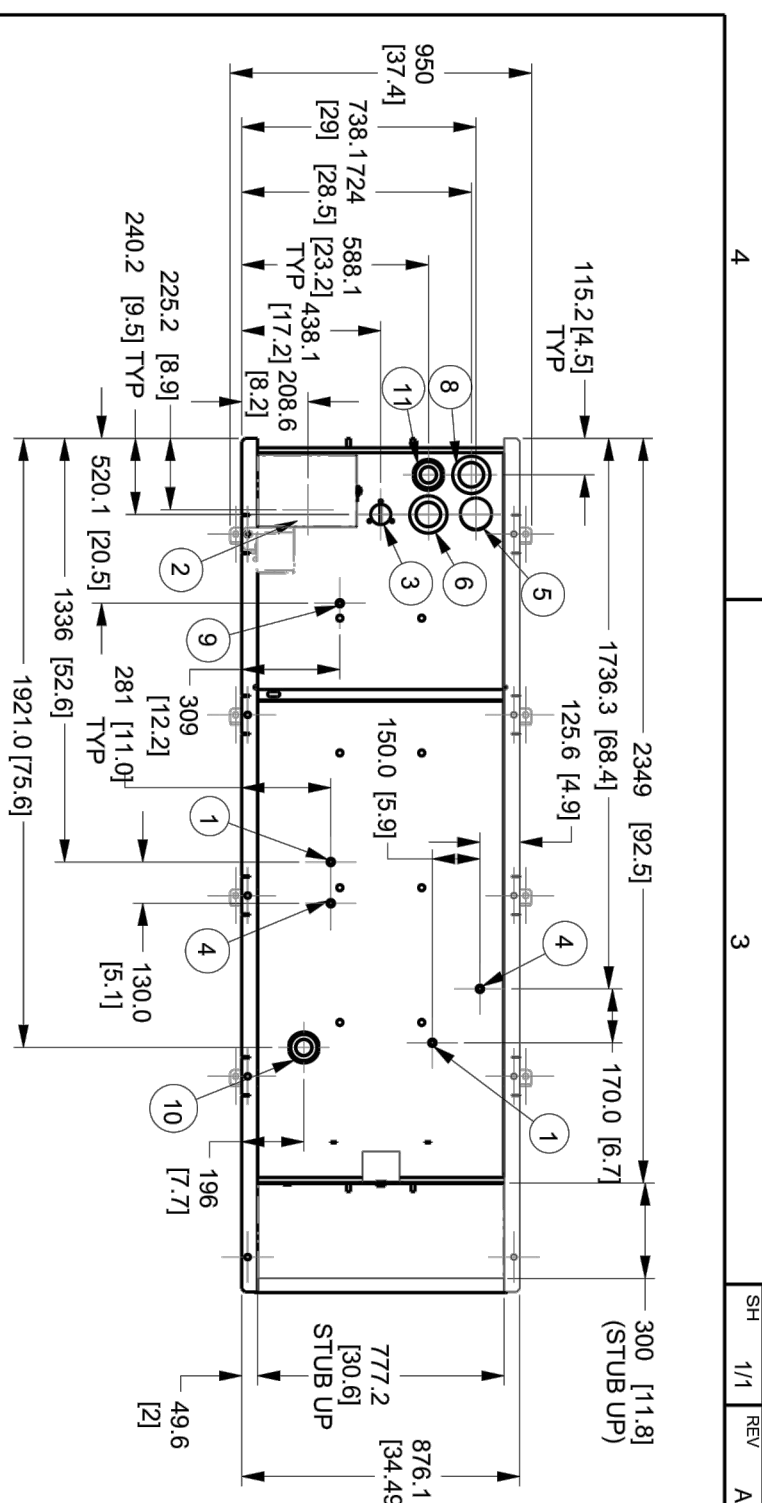
1

I/N	TANK FITTING	PROVIDING FUNCTION
1	3/8" NPT COUPLING	FUEL SUPPLY
2	2" NPT WELD FLANGE	FUEL FILL
3		MECH/ELEC. FUEL LEVEL
4	3/8" NPT COUPLING	FUEL RETURN
5	2" NPT WELD FLANGE	VENT
6	3" NPT WELD FLANGE	INNER EMERGENCY VENT
7	1/2" NPT HALF COUPLING	RUPTURE BASIN LEAK SENSOR
8	3" NPT WELD FLANGE	OUTER TANK EMERGENCY VENT
9	3/8" NPT COUPLING	5 GALLON SPILL/FILL DRAIN
10	2" NPT WELD FLANGE	90% FUEL SWITCH
11	2" NPT WELD FLANGE	RUPTURE BASIN ALARM

TANK P/N	0L35190ST03
TOTAL CAPACITY	757 [200]
USABLE CAPACITY	720 [190]
EST. DRY WEIGHT	420 [124]

CAPACITY SHOWN: LITER [GALLONS]  
 WEIGHT SHOWN: KILOGRAMS [POUNDS]  
 LENGTH SHOWN: MM [INCH]

NOTE: UL 142 / UL-C-5601 LISTED



MOUNTING HOLES  
 Ø 17.5 [Ø 0.69]  
 (8 PLACES BOTTOM)  
 (10 PLACES TOP)

# INSTALLATION DRAWING

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 3D FILE. ECO MODIFICATION TO BE  
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ELECTRONICALLY APPROVED  
 INSIDE WINDCHILL

ISSUE DATE:	12/15/17
SIZE	N/A
CAGE NO	
DWG NO	10000026896
SCALE	0.050
WT.-KG	958-184
SHEET	1 of 1

TITLE  
 INSTALL BASETANK  
 A-GROUP EXTENDED  
 190G (USEABLE) / 200 G (TOTAL)



GENERAC 30KW GENERATOR SPECIFICATIONS



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GENERATOR SPECIFICATIONS

SHEET NUMBER:  
 E-4.2

**TTS Series  
Switches**

**200 Amps  
600 VAC**



**TAS200**

**200A Automatic Transfer Switch**

**TAS200  
TAS200**

1 of 3 2 of 3

**The Generac TAS200 Automatic Transfer Switch**

Flexibility for multiple application installations

Multiple generator support with 3 source panel

Designed with a 6 inch touch screen controller for improved user interface

Camlock functionality for mobile generator sources

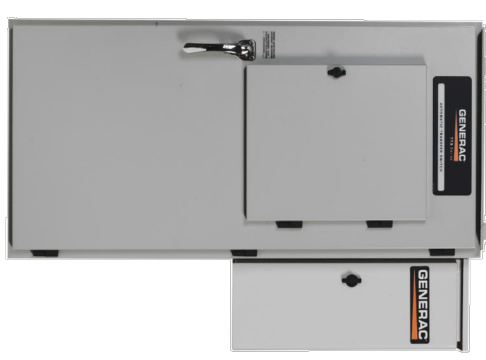


Image used for illustration purposes only.

**Features**

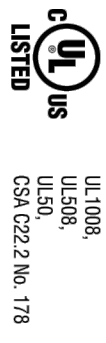
- STEEL CONSTRUCTION
- NEMA 3R ENCLOSURE WITH HINGED “PADLOCKING” DOORS
- STAINLESS STEEL HARDWARE
- CAMLOCK “QUICK CONNECT” CAPABILITY
- OPERATIONAL STATUS VIEW VIA 6 INCH TOUCH SCREEN
- TEST FUNCTION - FAST TEST & NORMAL TEST
- UL1008 LISTED - FOR EMERGENCY SYSTEMS

**Optional Features**

- EXTENDED WARRANTY
- THREE-PHASE VOLTAGE CONFIGURATIONS

**Codes and Standards**

Generac products are designed to the following standards:



UL1008,  
UL508,  
UL50,  
CSA C22.2 No. 178



NEC 700, 701 and 702



NEMA 250

**Application and Engineering Data**

Cabinet Specifications	
Dimensions	24"W x 12"D x 48"H
Weight	210 lbs.
	Single Chamber with Main Door
	Steel
	UL Type / NEMA 3R Rated
	Powder Coat Finish for Corrosion Resistance
	C-UL-US Listed - Automatic Transfer Switch
	Stainless Steel Hardware
	3-Point Latching System with Pad-Lockable Handles
Mounting Options	Wall
	H-frame
Installed	Pre-wired alarm terminal strip

Electrical Specifications	
Voltage/Phase/Amps	120/240 Single-Phase, 200A 120/208 3-Phase, 200A 120/240 3-Phase, 200A
Breaker	Eaton 200 amp Utility Breaker Eaton 200 amp Generator Breaker
Maximum RMS Symmetrical Fault Current - Amps	25k AIC Rated
Protective Device Continuous Rating (Max) Amp	200
Input to Generator	350MCM - #6 AWG
Output to Site	350MCM - #6 AWG
Generator Annunciator Connector	Deutsch DTMD4-12PA-L012
	Generator Run Alarm
	Generator Fail – Shutdown Alarm
	Generator Fail – Non Shutdown Alarm
	Low Fuel Alarm
	Generator Theft Alarm
	AC Utility Fail Alarm
Alarm Terminal Board	

GENERAC ATS SPECIFICATIONS



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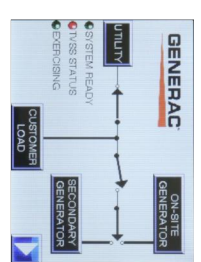
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SPECIFICATIONS**  
SHEET NUMBER:  
**E-5.0**



**TTS Control Systems**

**Touch Screen Interface**



- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>System Ready indicator</li> <li>Standby Operating indicator</li> <li>Utility Available indicator</li> <li>GEN/UTIL Switch Position indicator</li> <li>TVSS status</li> </ul> | <ul style="list-style-type: none"> <li>Normal Test button</li> <li>Fast Test button</li> <li>Return to Normal button</li> <li>Reset button</li> <li>Exercising indicator</li> </ul> |
|---|---|

**DETAILS SCREEN**

<p><b>System Settings:</b></p> <ul style="list-style-type: none"> <li>System Voltage/Phases:                     <ul style="list-style-type: none"> <li>- 120/240V single phase (standard)</li> <li>- 120/208V three phase (optional)</li> <li>- 120/240V three phase (optional)</li> </ul> </li> <li>Utility Fail Monitor:                     <ul style="list-style-type: none"> <li>- Under Voltage: 75-95% of nominal voltage</li> <li>- Over Voltage: 105%-125% of nominal voltage</li> <li>- Pickup (hysteresis): fixed at 5 volts</li> <li>- Delay time: 0-60s</li> </ul> </li> <li>Utility Interrupt Delay: 0-60s</li> <li>Return to Utility Timer: 1-30 minutes</li> <li>Transfer:                     <ul style="list-style-type: none"> <li>- In-phase, or</li> <li>- Time-Delay-Neutral at 0.0-10.0s in 1 second increments</li> </ul> </li> </ul>	<p><b>Exercise Settings:</b></p> <ul style="list-style-type: none"> <li>Time of day</li> <li>Day of week</li> <li>Exercise:                     <ul style="list-style-type: none"> <li>- Exercise with/without load</li> <li>- Exercise once every 1, 2, or 4 weeks.</li> <li>- Exercise time-of-day</li> <li>- Exercise day of week</li> <li>- Exercise duration: 15-30 minutes</li> </ul> </li> </ul>
<p><b>Engine Settings:</b></p> <ul style="list-style-type: none"> <li>Engine Warm-up timer: 0-20 minutes</li> <li>Generator Load Accept:                     <ul style="list-style-type: none"> <li>- Time-Delay-Neutral at 0.0-10.0s in 1 second increments</li> <li>- Voltage: 85-95% of nominal</li> <li>- Frequency: 85-95% of nominal</li> </ul> </li> <li>Engine Minimum Run Timer: 5-30 minutes</li> <li>Engine Cooldown Timer: 0-20 minutes</li> </ul>	<p><b>Screen Settings:</b></p> <ul style="list-style-type: none"> <li>Brightness &amp; Contrast button</li> <li>Screen Calibration button</li> <li>Startup/Clean screen</li> </ul>
<p><b>Diagnostics:</b></p> <ul style="list-style-type: none"> <li>Digital I/O bits status</li> <li>Voltage A/D readings</li> </ul>	<p><b>Mimic Diagram:</b></p> <ul style="list-style-type: none"> <li>System Ready</li> <li>Transfer switch position</li> <li>Utility available</li> <li>Standby available</li> <li>Maintenance/Auto switch position</li> <li>Generator source TS position</li> <li>TVSS status</li> </ul>

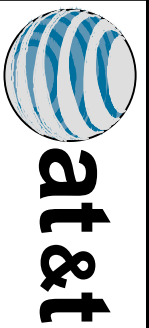
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**TAS200**  
3 of 3

Camlock Component	
Camlock Component	Shipped loose for multiple installation options
Dimensions	9" W x 9.4" D x 24.25" H
200A Camlock Generator Connection	Single-Phase: Black L1, Red L2, White-Neutral, Green-Ground
	3-Phase: Black L1, Red L2, Blue L3, White-Neutral, Green-Ground
	Uses 4 CH E1016 Male Connectors Mating Connector – CH E1016 Female



CAM-LOCK BOX SPECIFICATIONS



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**CAM-LOCK BOX SPECIFICATIONS**  
 SHEET NUMBER:  
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