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WOODS LAGOON

MELLO LANE

7TH AVENUE

- NOTES (THIS SHEET ONLY):
- 1 EXISTING EQUIPMENT TO BE REMOVED.
  - 2 EXISTING EQUIPMENT TO BE MODIFIED.

(E) SERVICE #2  
METER #100952553  
120/208V, 3PH, 4W, 200A  
CORRECTION ITEMS  
(E) UTILITY XFMR  
#T-1492

(E) BLDG

(E) NG. SERVICE

(E) GEN. #1  
NG, 100KW

(E) UTILITY  
JUNCTION BOX

COMM. EQUIP.

(E) SERVICE #1  
METER #1010047478  
120/208V, 3PH, 4W, 500A

(E) ATS #1  
400A

(E) DIST. PANEL "WH"  
120/208V, 3PH, 4W, 500A

COMM. ROOM #2

(E) BUILDING

COMM. ROOM #1

(E) UTILITY POLE XFMR

(E) SERVICE #3 (CNG)  
120/240V, 3PH, 4W, 200A

(E) SERVICE #5  
120/240V, 1PH, 3W, 100A

(E) SERVICE #4  
120/240V, 1PH, 3W, 100A

(E) TRAILER

(E) TRAILER

## SITE PLAN - EXISTING/DEMOLITION

APPROX. SCALE: 1" = 40' - 0"

NORTH



| REV | DATE | DESCRIPTION | DSGN | DWN | CHKD | SUPV | APVD |
|-----|------|-------------|------|-----|------|------|------|
|     |      |             |      |     |      |      |      |
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|     |      |             |      |     |      |      |      |

JOB NO 19-140.01  
DSGN .  
DWN .  
CHKD .  
SUPV .  
APVD 1  
APVD 2  
DATE 20200908



**PG&E CRESS**  
CORPORATE REAL ESTATE STRATEGY AND SERVICES  
PACIFIC GAS AND ELECTRIC COMPANY  
SAN FRANCISCO, CALIFORNIA

**Rose Sing and Associates, Inc.**  
Electrical Consultants  
131 S. Duvenorth St. • Visalia, CA 93202-6705  
Phone: (559) 733-2671

|               |                        |
|---------------|------------------------|
| DISCIPLINE    | ELECTRICAL             |
| FACILITY TYPE | SERVICE CENTER         |
| FACILITY NAME | SANTA CRUZ SERV. CNTR. |
| SITE ID       | 346202                 |
| BUILDING ID   |                        |
| BUILDING NAME |                        |
| FLOOR ID      |                        |
| ORDER NO      |                        |

GENERATOR RESILIENCY DESIGN

SITE PLAN - EXISTING/DEMOLITION

TIER CLASSIFICATION (CRESS) - 3 SIGNIFICANT  
615 7TH AVE., SANTA CRUZ, CA 95062

|                                                                                                                                                                                                                                                                |              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| WARNING:<br>THIS DOCUMENT CONTAINS CONFIDENTIAL,<br>PROPRIETARY INFORMATION THAT IS THE<br>SOLE PROPERTY OF PACIFIC GAS AND<br>ELECTRIC COMPANY AND IS INTENDED FOR<br>USE ONLY BY AUTHORIZED PACIFIC GAS<br>AND ELECTRIC COMPANY EMPLOYEES AND<br>ITS AGENTS. |              |
| DRAWING NUMBER                                                                                                                                                                                                                                                 | XXXX-GXXX-XX |
| E101-01                                                                                                                                                                                                                                                        | REV X        |



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## SITE PLAN - NEW

APPROX. SCALE: 1" = 40' - 0"

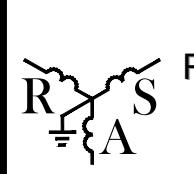
| REV | DATE     | DESCRIPTION        | DSGN | DWN | CHKD | SUPV | APVD |
|-----|----------|--------------------|------|-----|------|------|------|
| A   | 20200624 | GENERATOR LOCATION |      |     |      |      |      |

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| JOB NO | 19-140.01 |
| DSGN   |           |
| DWN    |           |
| CHKD   |           |
| SUPV   |           |
| APVD 1 |           |
| APVD 2 |           |
| DATE   | 20200908  |



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|               |                        |
|---------------|------------------------|
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| FACILITY NAME | SANTA CRUZ SERV. CNTR. |
| SITE ID       | 346202                 |
| BUILDING ID   |                        |
| BUILDING NAME |                        |
| FLOOR ID      |                        |
| ORDER NO      |                        |

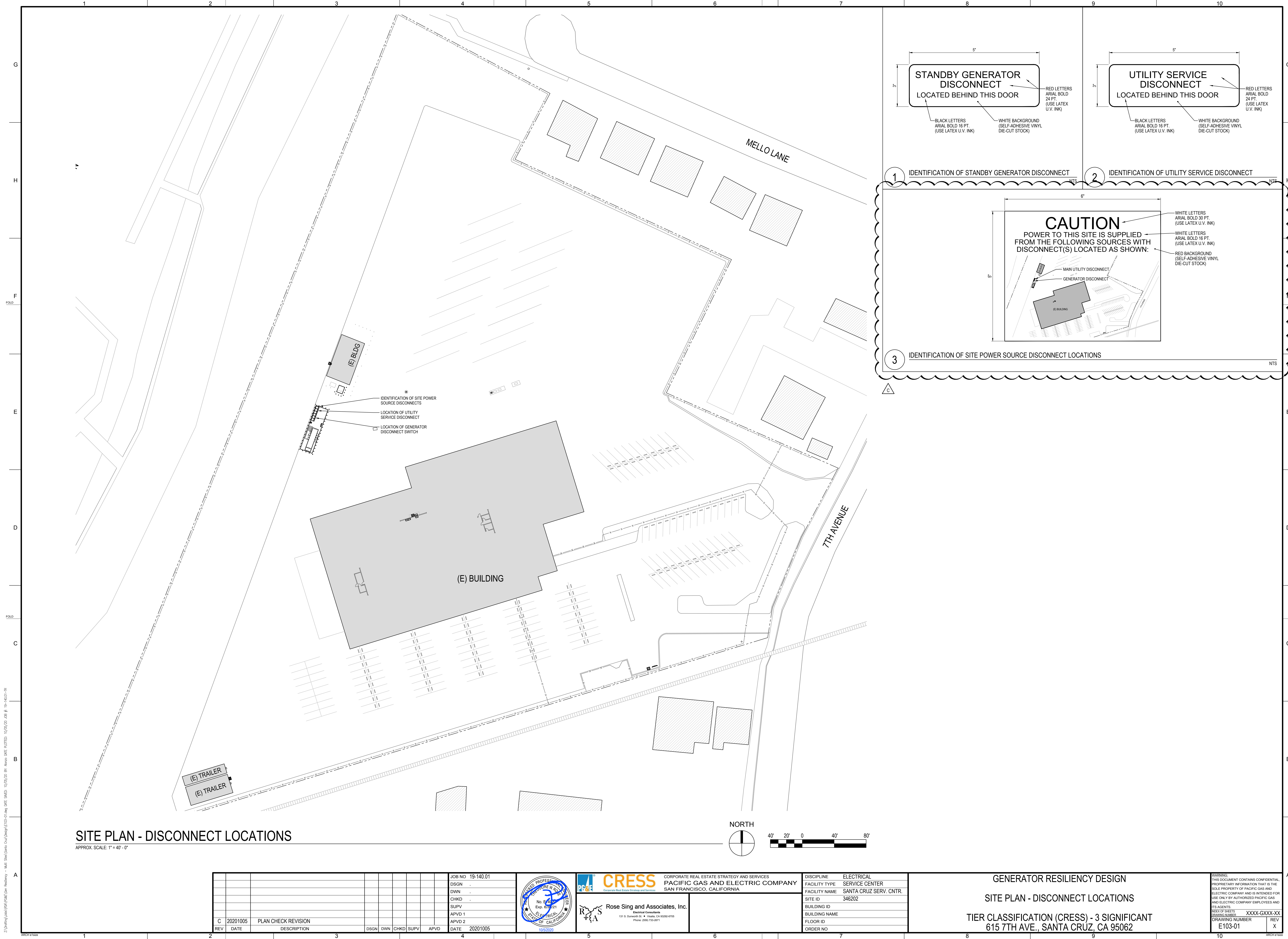
## GENERATOR RESILIENCY DESIGN

### SITE PLAN - NEW

**TIER CLASSIFICATION (CRESS) - 3 SIGNIFICANT**  
615 7TH AVE., SANTA CRUZ, CA 95062

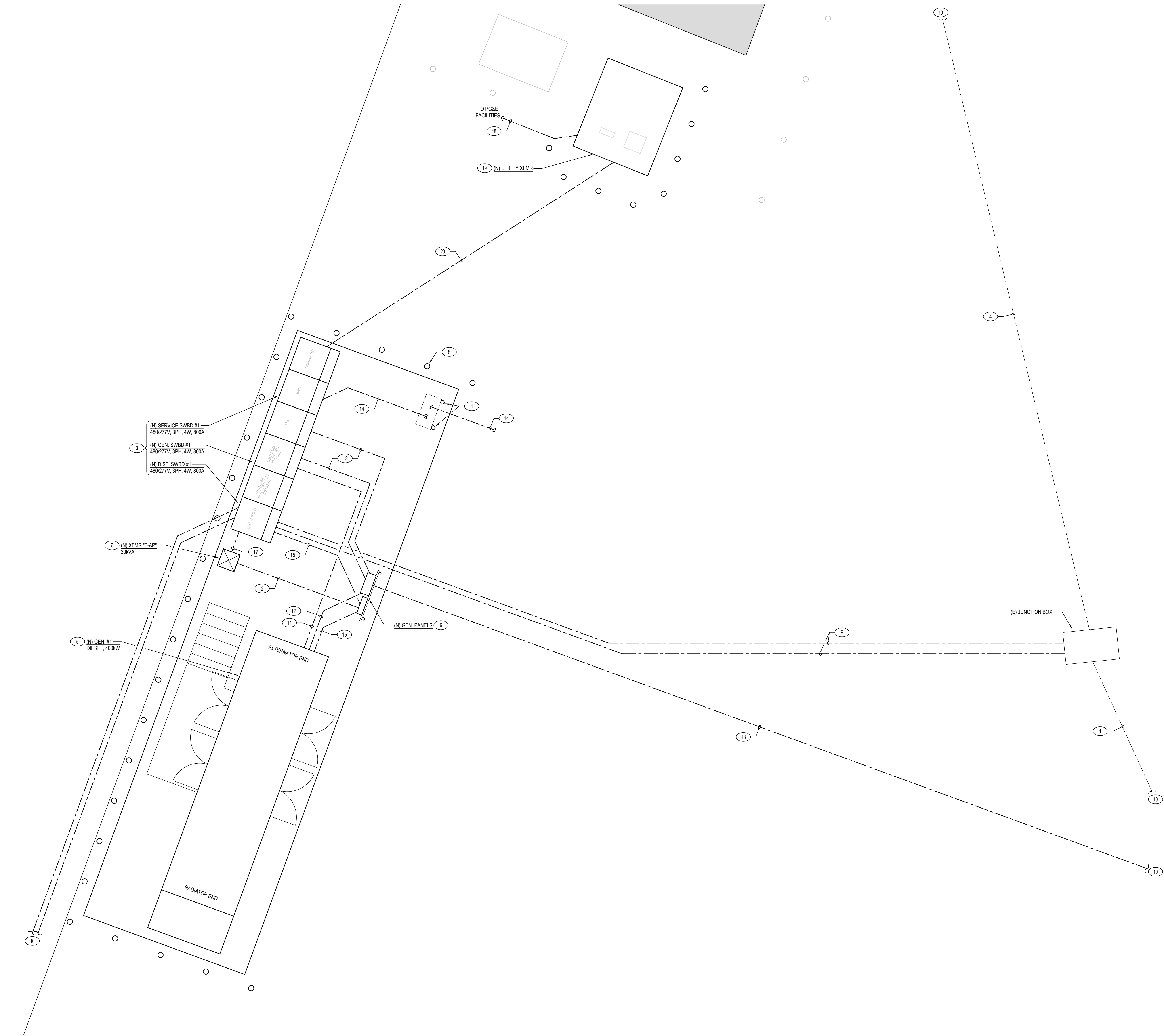
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| NO. OF SHEETS                                                                                                                                                                                                                                                  | XXXX-GXXX-XX |
| DRAWING NUMBER                                                                                                                                                                                                                                                 | E102-01      |
| REV                                                                                                                                                                                                                                                            | X            |







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# SITE PLAN - NEW SERVICE #1 AND STANDBY EQUIPMENT

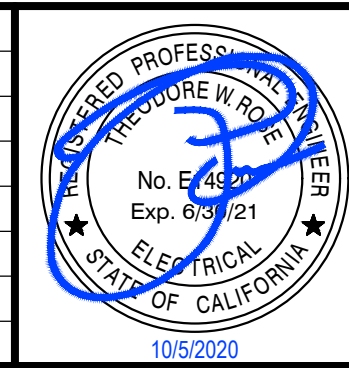
APPROX. SCALE: 1/4" = 1' - 0"

## NOTES (THIS SHEET ONLY):

- 1 SUPPORT STRUCTURE FOR FUTURE PV SYSTEM DISCONNECT PER DETAIL #4/E502. SEE DETAIL #7/E501 FOR RISER CONDUIT DETAIL.
- 2 AUX. POWER PANEL SECONDARY FEEDER PER ONE-LINE DIAGRAM.
- 3 NEW EQUIPMENT ELEVATION, PAD AND ANCHORING PER DETAIL #1/E501.
- 4 EXISTING SECONDARY CONDUITS. PULL NEW CABLE THROUGH EXISTING CONDUITS PER FEEDER SCHEDULE.
- 5 NEW GENERATOR ANCHORING PER DETAIL #2/E501.
- 6 NEW GENERATOR PANEL MOUNTING PER DETAIL #3/E501.
- 7 NEW TRANSFORMER, PAD AND ANCHORING PER DETAIL #5/E501.
- 8 NEW GUARDPOST PER DETAIL #6/E501 TYPICAL.
- 9 NEW UNDERGROUND FEEDER PER ONE-LINE DIAGRAM.
- 10 SEE SHEET #E102-01 FOR CONTINUATION.
- 11 GENERATOR OUTPUT FEEDER PER ONE-LINE DIAGRAM.
- 12 GENERATOR AND ATS MONITORING AND GENERATOR START CIRCUITS PER DETAIL #1/E502.
- 13 TO PG&E COMMUNICATION FACILITIES FOR STANDBY SYSTEM MONITORING PER DETAIL #1/E502.
- 14 TWO 4" CONDUIT STUB-OUTS FOR PV CONNECTION.
- 15 1" - 4 #12 + 1 #12 GND + 1" SPARE FOR GENERATOR BLOCK HEATER, BATTERY CHARGER, SERVICE AND GENERATOR SWITCHBOARD HEATERS AND LIGHT FIXTURES.
- 16 TWO 3" CONDUIT STUB-OUTS.
- 17 AUX. POWER PANEL TRANSFORMER PRIMARY FEEDER TO (N) DIST. SWBD #1 EQUIPMENT PER ONE-LINE DIAGRAM.
- 18 PRIMARY DUCT(S) PER PG&E REQUIREMENTS.
- 19 NEW UTILITY TRANSFORMER PAD, GROUNDING AND GUARDPOST PER PG&E REQUIREMENTS.
- 20 SECONDARY DUCT(S) PER PG&E REQUIREMENTS.

| REV | DATE     | DESCRIPTION                             | DSGN | DWN | CHKD | SUPV | APVD |
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| B   | 20200702 | GEN. DIMENSIONS, WEIGHT & PAD REVISIONS |      |     |      |      |      |

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| JOB NO 19-140.01 |
| DSGN .           |
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| APVD 1           |
| APVD 2           |
| DATE 20200908    |



**CRESS**  
Corporate Real Estate Strategy and Services

**PACIFIC GAS AND ELECTRIC COMPANY**  
SAN FRANCISCO, CALIFORNIA

**Rose Sing and Associates, Inc.**  
Electrical Consultants  
131 S. Duvenorth St. • Visalia, CA 93201-6705  
Phone: (559) 733-2071

|               |                        |
|---------------|------------------------|
| DISCIPLINE    | ELECTRICAL             |
| FACILITY TYPE | SERVICE CENTER         |
| FACILITY NAME | SANTA CRUZ SERV. CNTR. |
| SITE ID       | 346202                 |
| BUILDING ID   |                        |
| BUILDING NAME |                        |
| FLOOR ID      |                        |
| ORDER NO      |                        |

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| DISCIPLINE    | ELECTRICAL             |
| FACILITY TYPE | SERVICE CENTER         |
| FACILITY NAME | SANTA CRUZ SERV. CNTR. |
| SITE ID       | 346202                 |
| BUILDING ID   |                        |
| BUILDING NAME |                        |
| FLOOR ID      |                        |
| ORDER NO      |                        |

GENERATOR RESILIENCY DESIGN

ENLARGED PLAN - NEW

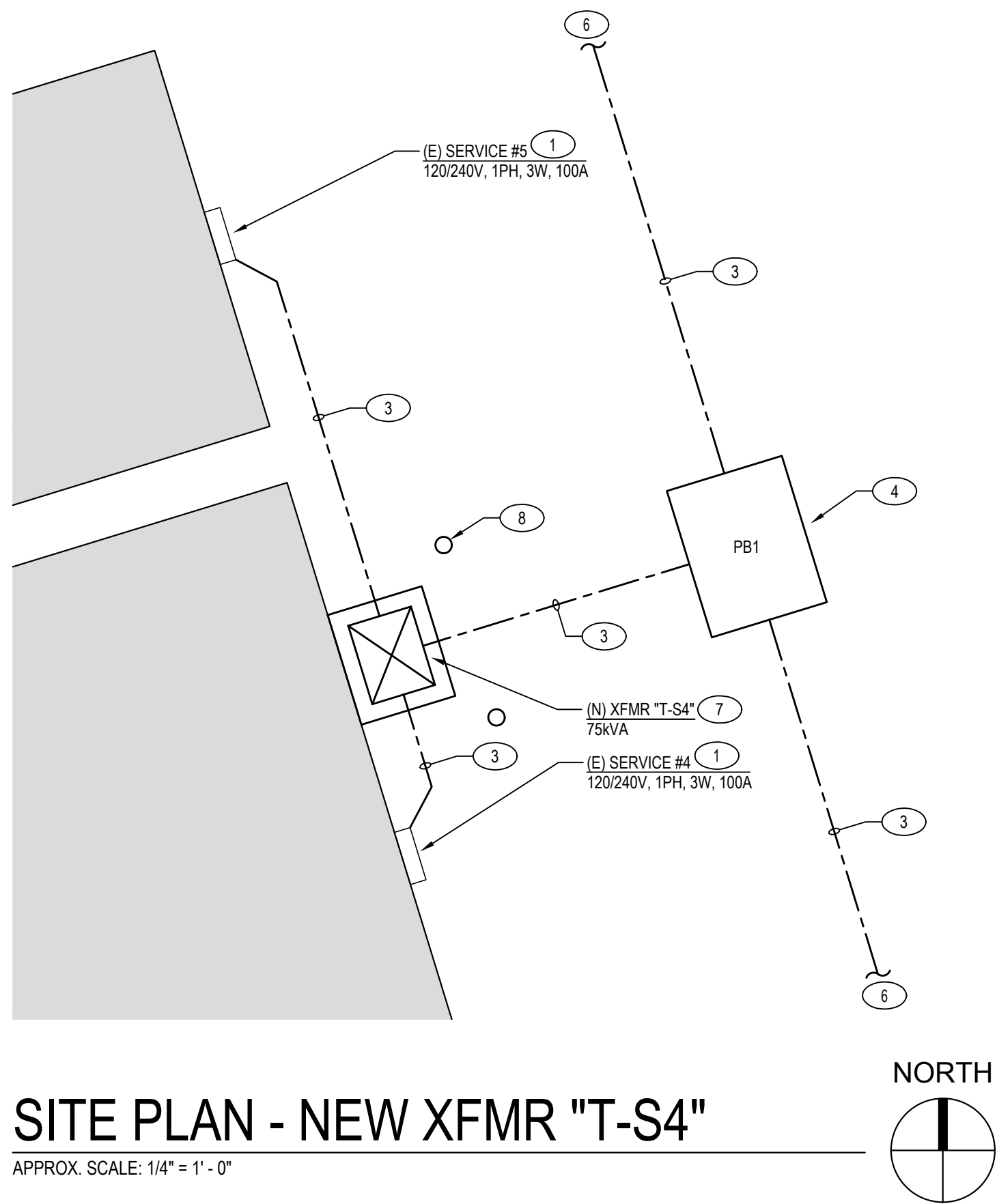
TIER CLASSIFICATION (CRESS) - 3 SIGNIFICANT  
615 7TH AVE., SANTA CRUZ, CA 95062

|                                                                                                                                                                                                                                                                |          |
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| DRAWING NUMBER<br>E401                                                                                                                                                                                                                                         | REV<br>X |



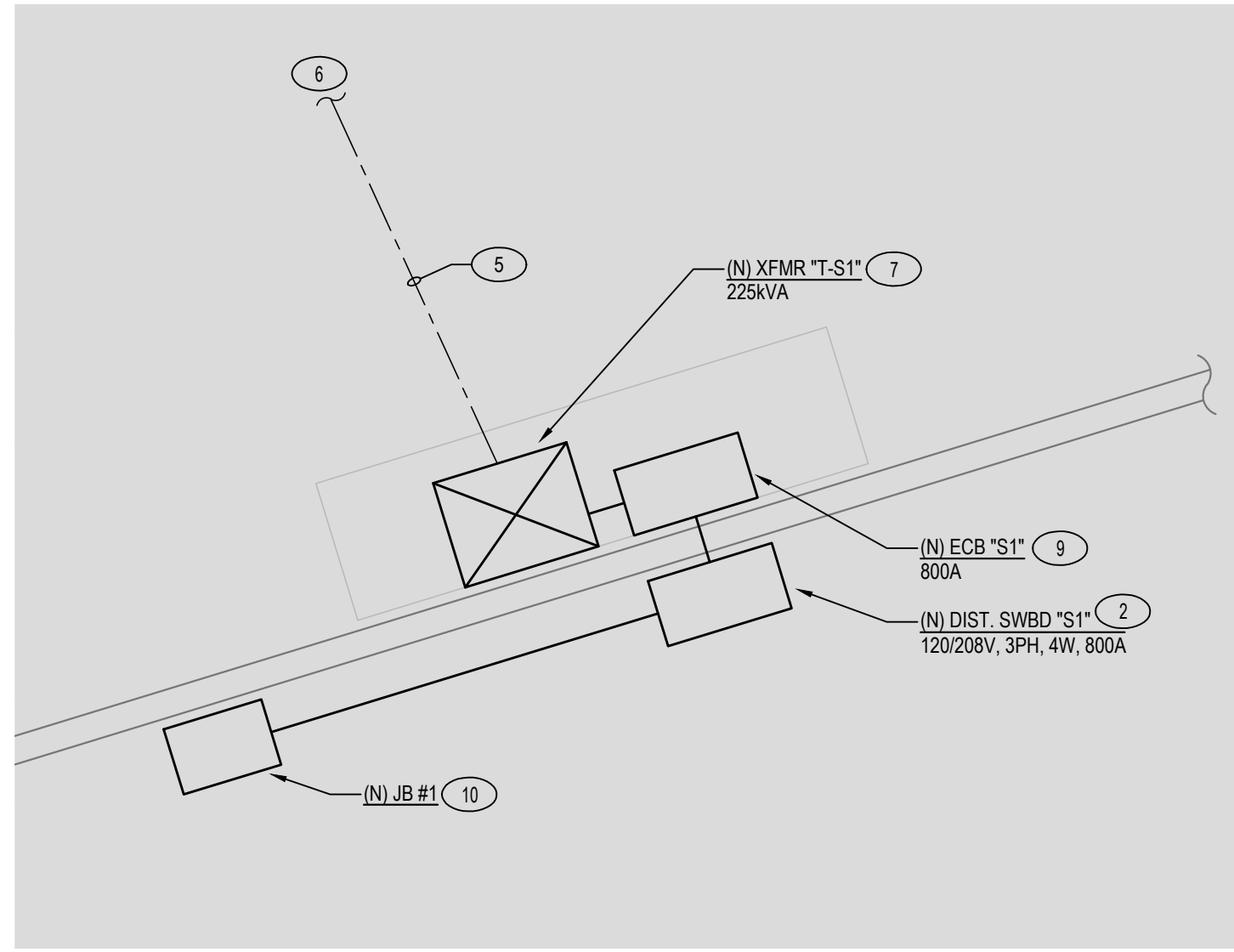
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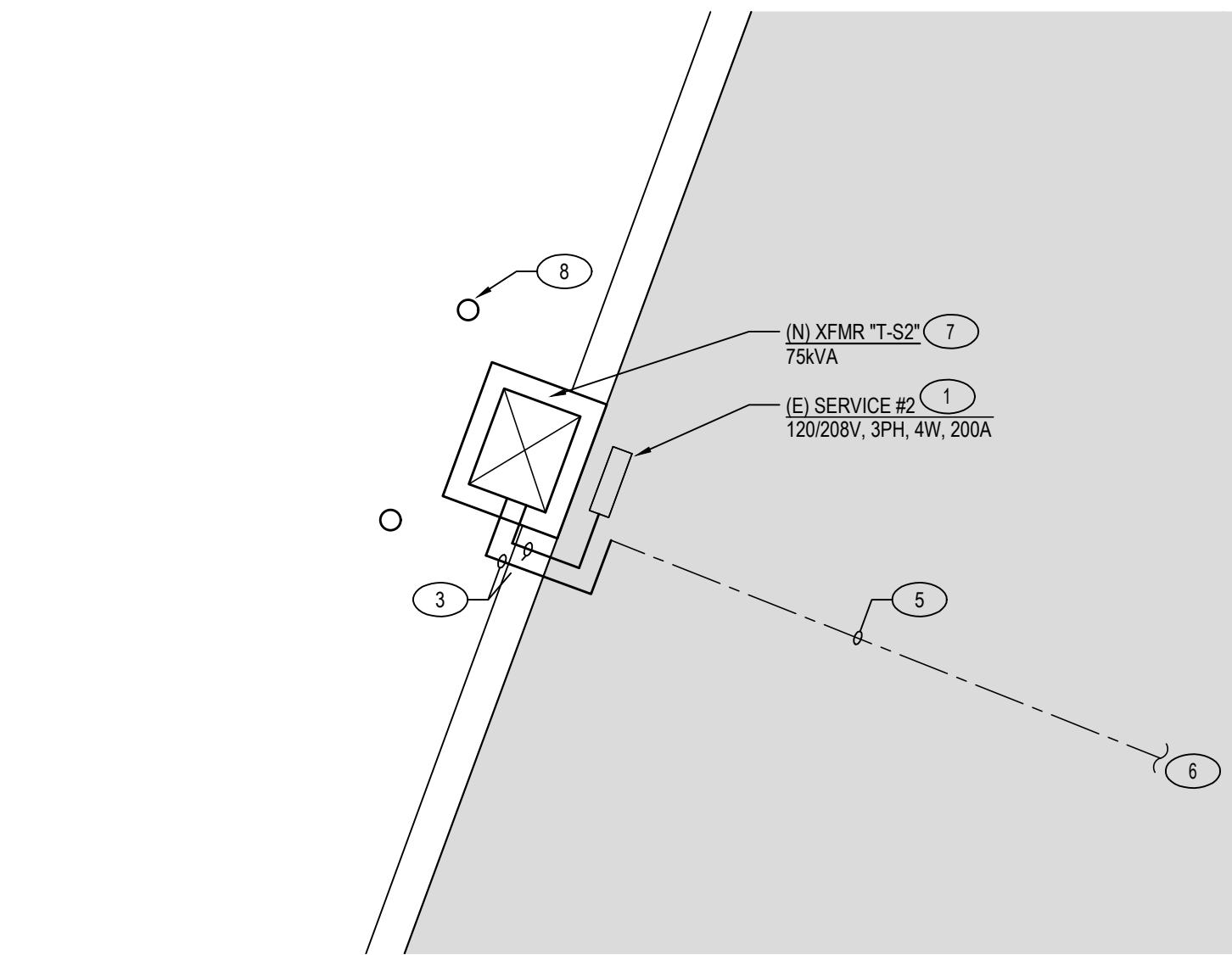
SITE PLAN - NEW XFMR "T-S4"

APPROX. SCALE: 1/4" = 1' - 0"



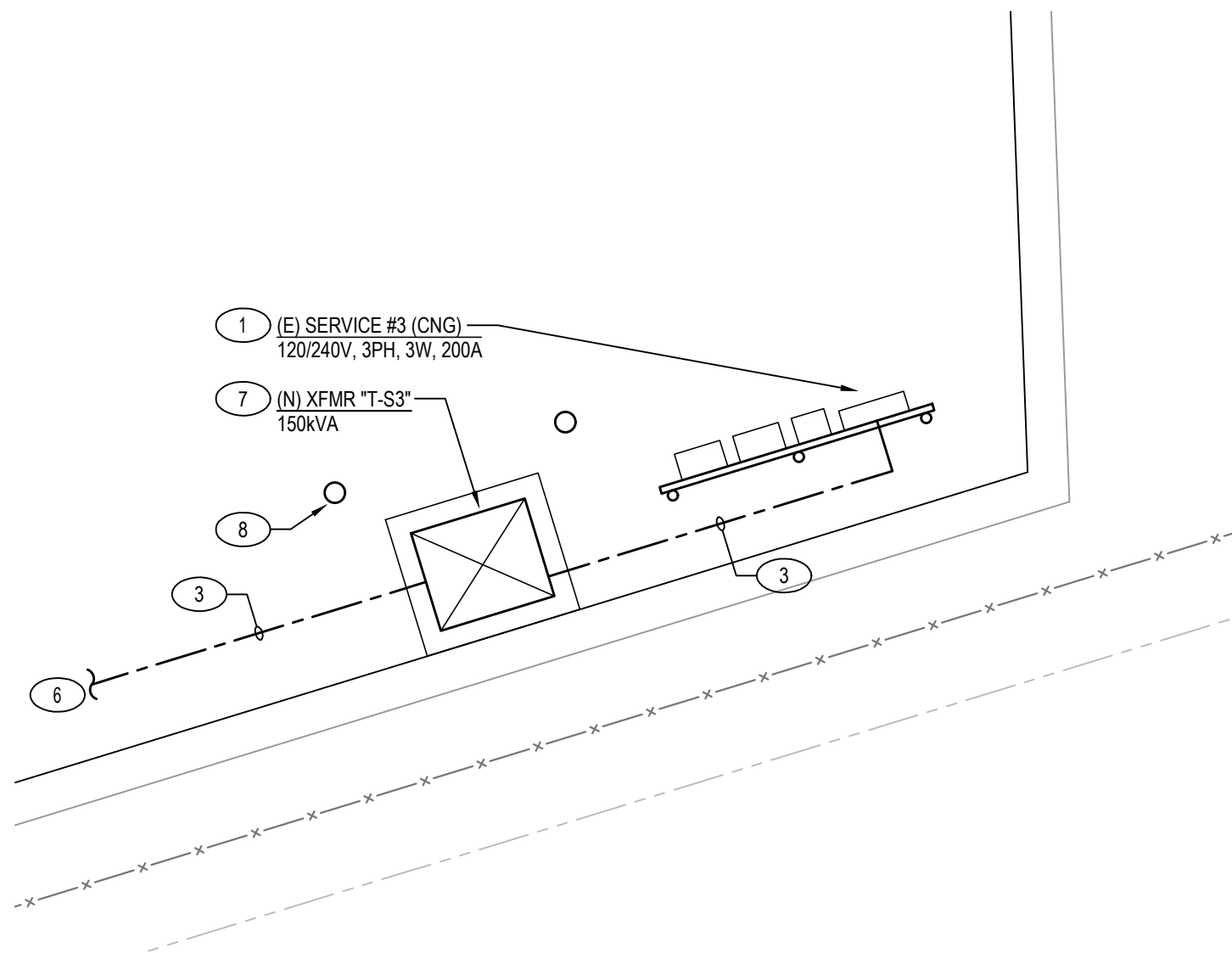
SITE PLAN - NEW XFMR "T-S1"

APPROX. SCALE: 1/4" = 1' - 0"



SITE PLAN - NEW XFMR "T-S2"

APPROX. SCALE: 1/4" = 1' - 0"



SITE PLAN - NEW XFMR "T-S3"

APPROX. SCALE: 1/4" = 1' - 0"

- NOTES (THIS SHEET ONLY):
- (1) EXISTING SERVICE EQUIPMENT TO BE MODIFIED AND CONNECTED TO NEW SYSTEM PER ONE-LINE DIAGRAMS.
  - (2) NEW EQUIPMENT ELEVATION AND ANCHORING PER DETAIL #3/E502.
  - (3) NEW UNDERGROUND FEEDER PER ONE-LINE DIAGRAM.
  - (4) POWER PULL BOX PER DETAIL #6/E501.
  - (5) EXISTING SECONDARY CONDUITS. PULL NEW CABLE THROUGH EXISTING CONDUITS PER FEEDER SCHEDULE.
  - (6) SEE SHEET #E102-01 FOR CONTINUATION.
  - (7) NEW TRANSFORMER, PAD AND ANCHORING PER DETAIL #4/E501.
  - (8) NEW GUARDOPOST PER DETAIL #6/E501 TYPICAL.
  - (9) NEW EQUIPMENT ELEVATION AND ANCHORING PER DETAIL #5/E502.
  - (10) NEW 38"W x 91"H x 20"D JUNCTION BOX, ANCHOR SIMILAR TO DETAIL #3/E502. CAPTURE EXISTING FEEDERS TO SWITCHBOARD "WH" AND EXTEND TO NEW SWITCHBOARD "S1".

| REV | DATE | DESCRIPTION | DSGN | DWN | CHKD | SUPV | APVD |
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| JOB NO | 19-140.01 |
| DSGN   | .         |
| DWN    | .         |
| CHKD   | .         |
| SUPV   | .         |
| APVD 1 | .         |
| APVD 2 | .         |
| DATE   | 20200908  |



**CRESS**  
CORPORATE REAL ESTATE STRATEGY AND SERVICES  
**PACIFIC GAS AND ELECTRIC COMPANY**  
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131 S. Duvenorth St. • Visalia, CA 93202-6705  
Phone: (559) 733-2871

|               |                        |
|---------------|------------------------|
| DISCIPLINE    | ELECTRICAL             |
| FACILITY TYPE | SERVICE CENTER         |
| FACILITY NAME | SANTA CRUZ SERV. CNTR. |
| SITE ID       | 346202                 |
| BUILDING ID   |                        |
| BUILDING NAME |                        |
| FLOOR ID      |                        |
| ORDER NO      |                        |

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|---------------|------------------------|
| DISCIPLINE    | ELECTRICAL             |
| FACILITY TYPE | SERVICE CENTER         |
| FACILITY NAME | SANTA CRUZ SERV. CNTR. |
| SITE ID       | 346202                 |
| BUILDING ID   |                        |
| BUILDING NAME |                        |
| FLOOR ID      |                        |
| ORDER NO      |                        |

**GENERATOR RESILIENCY DESIGN**

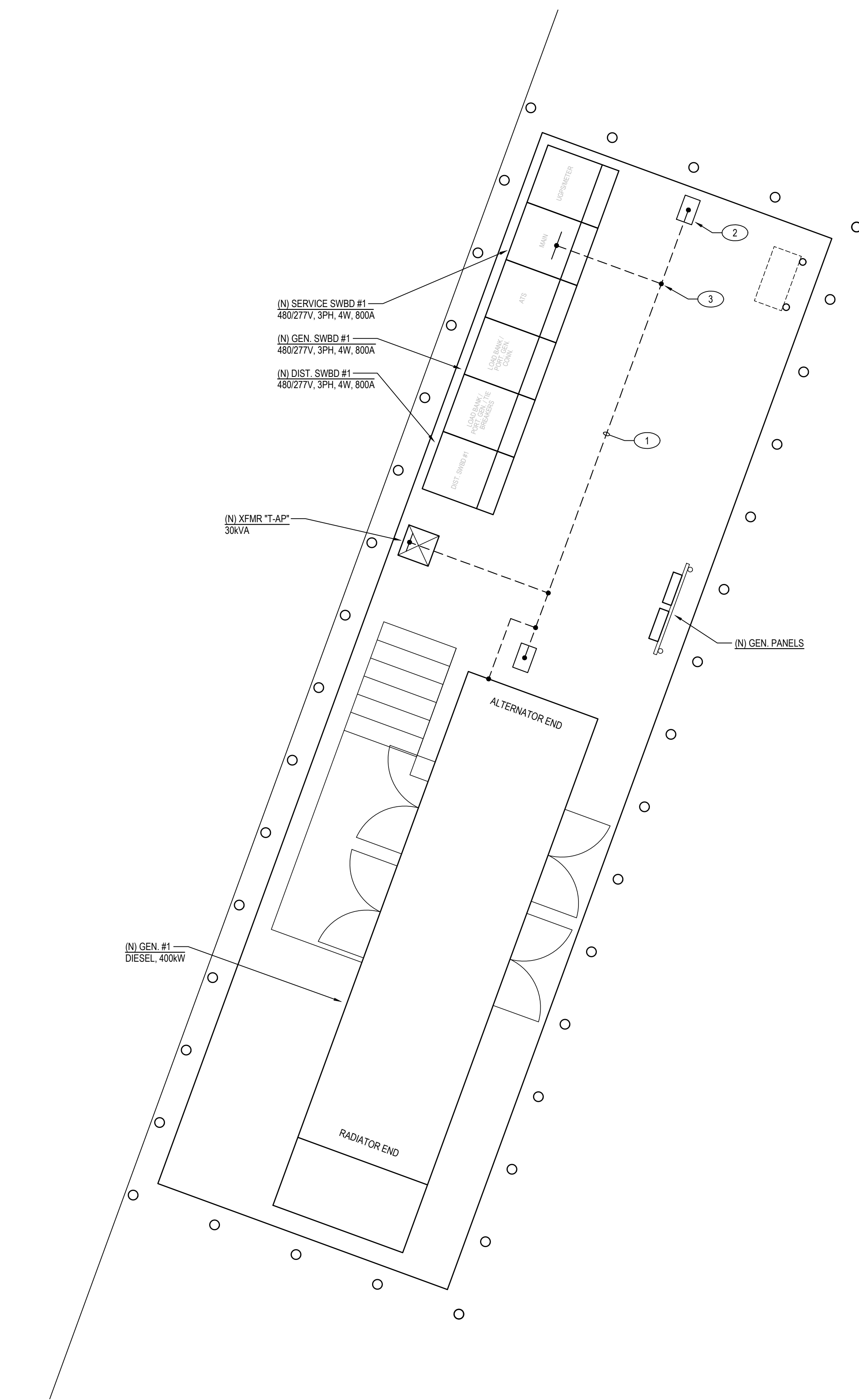
**ENLARGED PLANS - NEW**

**TIER CLASSIFICATION (CRESS) - 3 SIGNIFICANT**  
**615 7TH AVE., SANTA CRUZ, CA 95062**

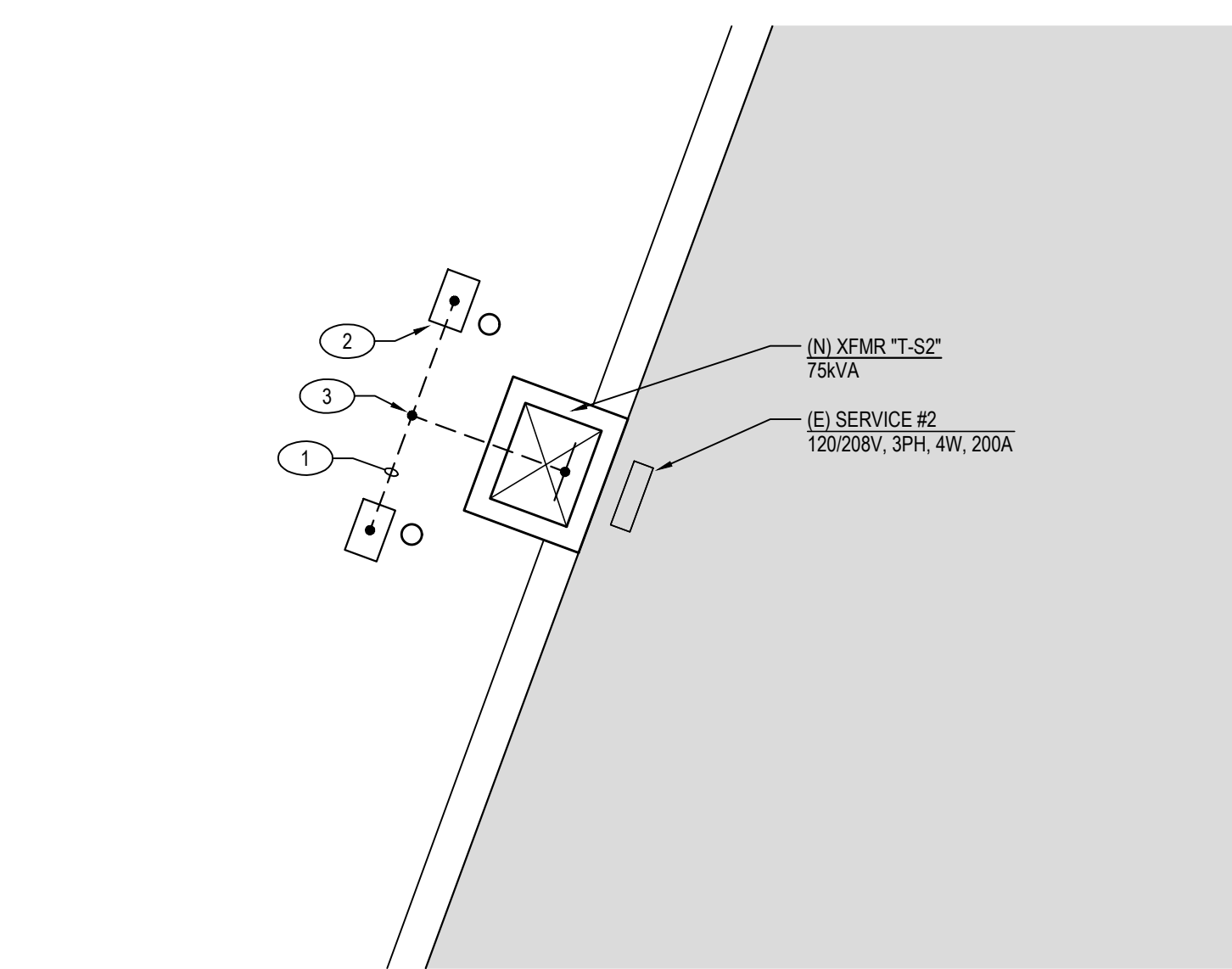
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| DRAWING NUMBER                                                                                                                                                                                                                                                 | XXXX-GXXX-XX |
| E402                                                                                                                                                                                                                                                           | REV X        |

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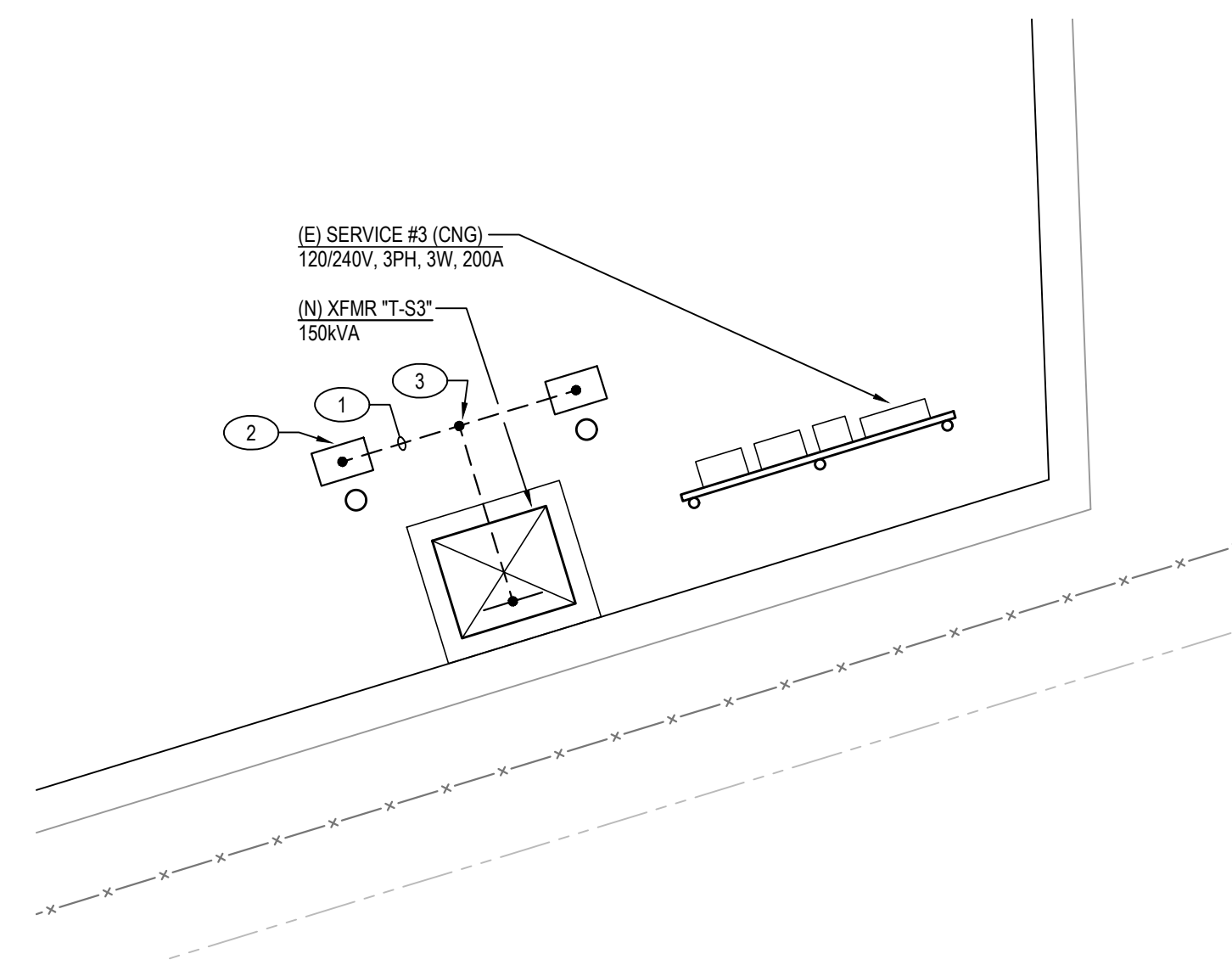




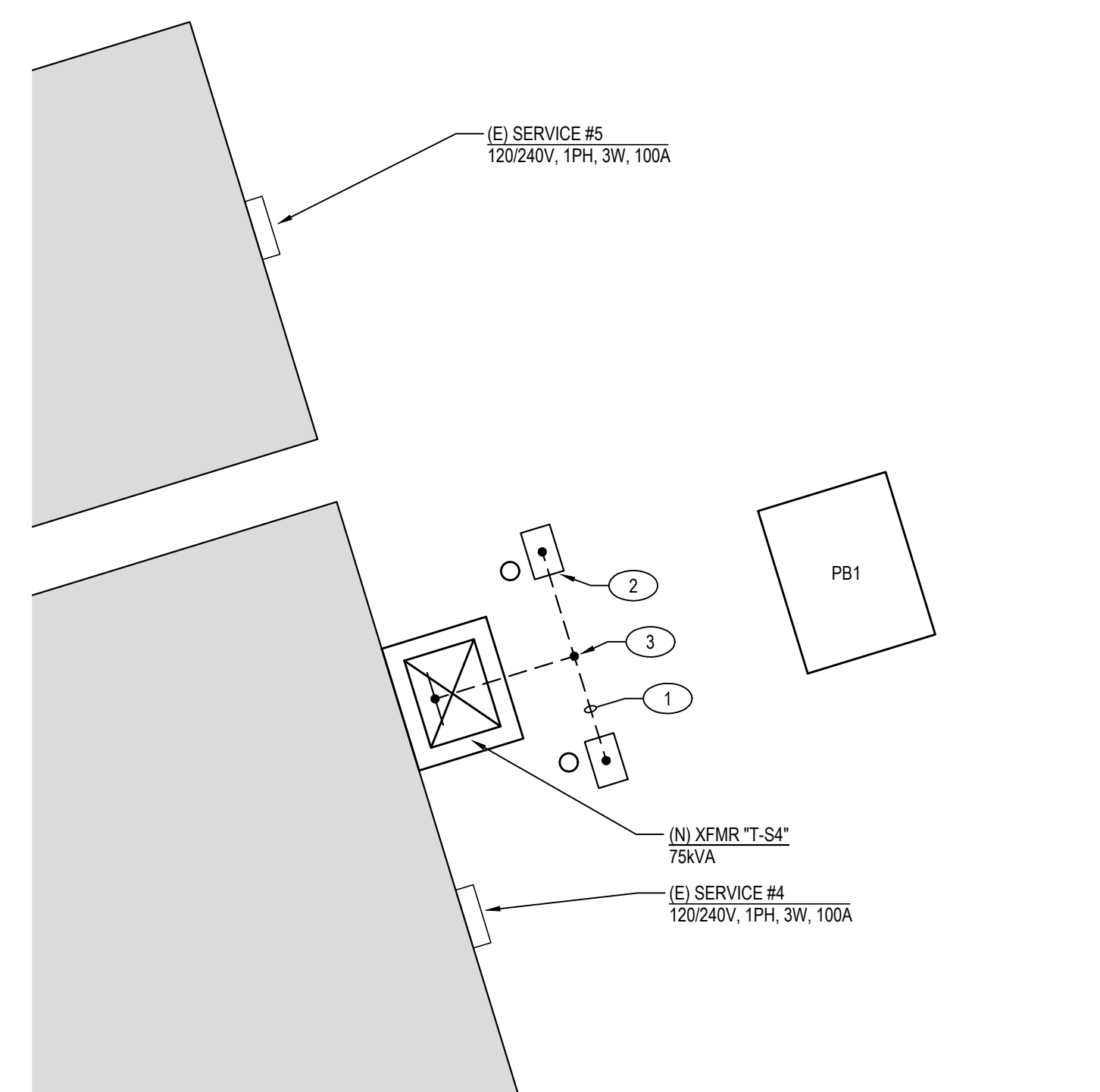
# SITE PLAN - GROUNDING - NEW SERVICE #1 AND STANDBY EQUIPMENT



## SITE PLAN - NEW XFMR "T-S2"



## SITE PLAN - NEW XFMR "T-S3"



# SITE PLAN - NEW XFMR "T-S4"

**GENERAL NOTE (THIS SHEET ONLY):**

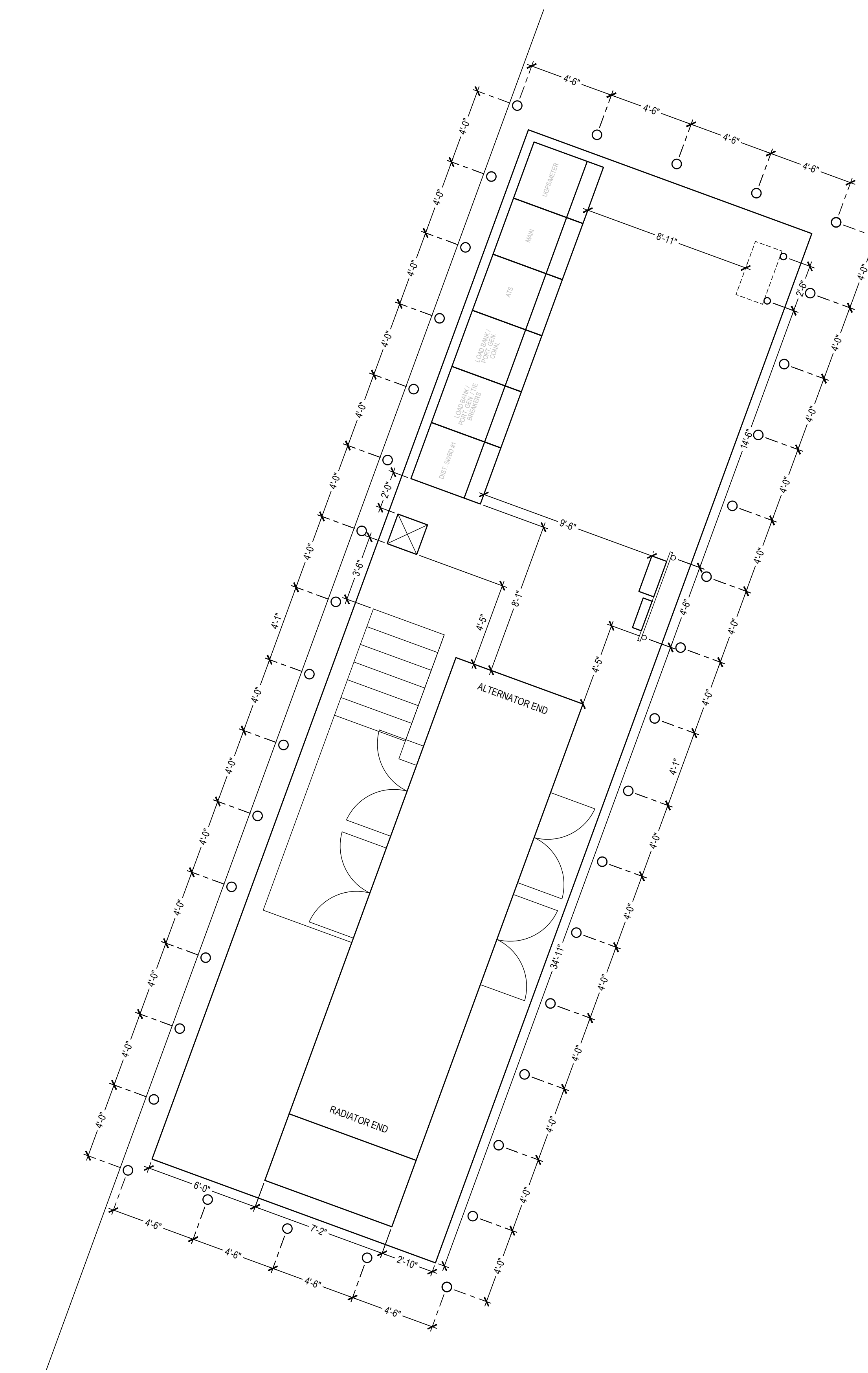
- SEE DETAIL #2/E502 FOR EQUIPMENT SPECIFIC GROUNDING AND BONDING REQUIREMENTS.

**NOTES (THIS SHEET ONLY):**

- #10 CU BARE TYPICAL.
- GROUND ROD WELL PER DETAIL #6/E502 TYPICAL.
- ALL GROUND BELOW GRADE GROUNDING ELECTRODE SYSTEM CONNECTIONS TO BE CAD WELD TYPICAL.

|     |      |             |      |     |      |      |      |                  |  |                                                                                       |                                                                                       |                                             |  |                                      |  |                                                                                                                                                       |  |  |  |                |  |      |  |   |  |
|-----|------|-------------|------|-----|------|------|------|------------------|--|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------|--|--------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|----------------|--|------|--|---|--|
|     |      |             |      |     |      |      |      | JOB NO 19-140.01 |  |  |  | CORPORATE REAL ESTATE STRATEGY AND SERVICES |  | DISCIPLINE ELECTRICAL                |  | GENERATOR RESILIENCY DESIGN<br><br>ENLARGED PLAN - GROUNDING<br><br>TIER CLASSIFICATION (CRESS) - 3 SIGNIFICANT<br>615 7TH AVE., SANTA CRUZ, CA 95062 |  |  |  | DRAWING NUMBER |  | REV  |  |   |  |
|     |      |             |      |     |      |      |      | DSGN -           |  |                                                                                       |                                                                                       | PACIFIC GAS AND ELECTRIC COMPANY            |  | FACILITY TYPE SERVICE CENTER         |  |                                                                                                                                                       |  |  |  | XXXX-GXXX-XX   |  | E403 |  | X |  |
|     |      |             |      |     |      |      |      | DWN -            |  |                                                                                       |                                                                                       | SAN FRANCISCO, CALIFORNIA                   |  | FACILITY NAME SANTA CRUZ SERV. CNTR. |  |                                                                                                                                                       |  |  |  |                |  |      |  |   |  |
|     |      |             |      |     |      |      |      | CHKD -           |  |                                                                                       |                                                                                       |                                             |  | SITE ID 346202                       |  |                                                                                                                                                       |  |  |  |                |  |      |  |   |  |
|     |      |             |      |     |      |      |      | SUPV -           |  |                                                                                       |                                                                                       |                                             |  | BUILDING ID                          |  |                                                                                                                                                       |  |  |  |                |  |      |  |   |  |
|     |      |             |      |     |      |      |      | APVD 1           |  |  |                                                                                       | Rose Sing and Associates, Inc.              |  | BUILDING NAME                        |  |                                                                                                                                                       |  |  |  |                |  |      |  |   |  |
|     |      |             |      |     |      |      |      | APVD 2           |  |                                                                                       |                                                                                       | Electrical Consultants                      |  | FLOOR ID                             |  |                                                                                                                                                       |  |  |  |                |  |      |  |   |  |
|     |      |             |      |     |      |      |      | DATE 20200908    |  | 131 S. Duane St., 4th Floor, CA 94102-0710                                            |                                                                                       | 131 S. Duane St., 4th Floor, CA 94102-0710  |  | ORDER NO                             |  |                                                                                                                                                       |  |  |  |                |  |      |  |   |  |
|     |      |             |      |     |      |      |      | 10/2020          |  | Phone: (415) 773-2671                                                                 |                                                                                       | Phone: (415) 773-2671                       |  |                                      |  |                                                                                                                                                       |  |  |  |                |  |      |  |   |  |
| REV | DATE | DESCRIPTION | DSGN | DWN | CHKD | SUPV | APVD | DATE             |  |                                                                                       |                                                                                       |                                             |  |                                      |  |                                                                                                                                                       |  |  |  |                |  |      |  |   |  |





**SITE PLAN - NEW SERVICE #1 AND STANDBY EQUIPMENT**  
APPROX. SCALE: 1/4" = 1' - 0"



|     |      |             |      |     |      |      |      |                  |          |                                                                                                                                                                                                                          |                                                                                                                                                                                                       |                                      |  |                                                                |  |                                                                                   |  |                        |  |          |  |
|-----|------|-------------|------|-----|------|------|------|------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--|----------------------------------------------------------------|--|-----------------------------------------------------------------------------------|--|------------------------|--|----------|--|
|     |      |             |      |     |      |      |      | JOB NO 19-140.01 |          |                                                                                                                                     | <br>CORPORATE REAL ESTATE STRATEGY AND SERVICES<br>PACIFIC GAS AND ELECTRIC COMPANY<br>SAN FRANCISCO, CALIFORNIA | DISCIPLINE ELECTRICAL                |  | GENERATOR RESILIENCY DESIGN<br><br>ENLARGED PLAN - DIMENSIONED |  | TIER CLASSIFICATION (CRESS) - 3 SIGNIFICANT<br>615 7TH AVE., SANTA CRUZ, CA 95062 |  | DRAWING NUMBER<br>E404 |  | REV<br>X |  |
|     |      |             |      |     |      |      |      | DSGN -           |          |                                                                                                                                                                                                                          |                                                                                                                                                                                                       | FACILITY TYPE SERVICE CENTER         |  |                                                                |  |                                                                                   |  |                        |  |          |  |
|     |      |             |      |     |      |      |      | DWN -            |          |                                                                                                                                                                                                                          |                                                                                                                                                                                                       | FACILITY NAME SANTA CRUZ SERV. CNTR. |  |                                                                |  |                                                                                   |  |                        |  |          |  |
|     |      |             |      |     |      |      |      | CHKD -           |          |                                                                                                                                                                                                                          |                                                                                                                                                                                                       | SITE ID 346202                       |  |                                                                |  |                                                                                   |  |                        |  |          |  |
|     |      |             |      |     |      |      |      | SUPV -           |          |                                                                                                                                                                                                                          |                                                                                                                                                                                                       | BUILDING ID                          |  |                                                                |  |                                                                                   |  |                        |  |          |  |
|     |      |             |      |     |      |      |      | APVD 1           |          | BUILDING NAME                                                                                                                                                                                                            |                                                                                                                                                                                                       |                                      |  |                                                                |  |                                                                                   |  |                        |  |          |  |
|     |      |             |      |     |      |      |      | APVD 2           |          | FLOOR ID                                                                                                                                                                                                                 |                                                                                                                                                                                                       |                                      |  |                                                                |  |                                                                                   |  |                        |  |          |  |
| REV | DATE | DESCRIPTION | DSGN | DWN | CHKD | SUPV | APVD | DATE             | 20200908 | <br>Rose Sing and Associates, Inc.<br>Electrical Consultants<br>131 S. Duane St., 4th Floor, CA 95002-0710<br>Phone: (095) 733-2671 |                                                                                                                                                                                                       | ORDER NO                             |  |                                                                |  |                                                                                   |  |                        |  |          |  |



NP1  
SEQUENCE OF OPERATIONS  
LOAD BANK CONNECTION  
1. CONNECT INDIVIDUAL CAM-LOCK PLUGS TO LOAD BANK.  
2. CLOSE LOAD BANK CIRCUIT BREAKER.  
3. START GENERATOR ON "MANUAL" AND COMMENCE LOAD BANK TESTING.  
LOAD BANK DISCONNECT  
1. DISCONNECT LOAD BANK CABLE.  
2. OPEN LOAD BANK CIRCUIT BREAKER.  
3. VERIFY GENERATOR CONTROL SWITCH IS IN THE "AUTO" POSITION.

NP2  
SEQUENCE OF OPERATIONS  
SITE GENERATOR CONNECTION  
1. OPEN PORTABLE GENERATOR CIRCUIT BREAKER.  
2. DISCONNECT PORTABLE GENERATOR CONNECTION CABLES.  
3. REMOVE INTERLOCK KEY FROM PORTABLE GENERATOR CIRCUIT BREAKER.  
4. INSERT INTERLOCK KEY INTO TIE CIRCUIT BREAKER AND RELEASE INTERLOCK.  
5. CLOSE TIE CIRCUIT BREAKER.  
6. VERIFY SITE GENERATOR CONTROL SWITCH IS IN THE "AUTO" POSITION.

NP3  
SEQUENCE OF OPERATIONS  
PORTABLE GENERATOR CONNECTION  
1. CONNECT INDIVIDUAL CAM-LOCK PLUGS TO PORTABLE GENERATOR.  
2. CONNECT GENERATOR REMOTE START LEADS TO START RECEPTACLE.  
3. PLACE ON-SITE GENERATOR OUTPUT CIRCUIT BREAKER TO THE OPEN/OFF POSITION.  
4. OPEN "TIE" CIRCUIT BREAKER AND REMOVE INTERLOCK KEY.  
5. INSERT INTERLOCK KEY INTO PORTABLE GENERATOR CIRCUIT BREAKER AND RELEASE INTERLOCK.  
6. START PORTABLE GENERATOR AND VERIFY VOLTAGE AND PHASE ROTATION.  
7. STOP PORTABLE GENERATOR AND PLACE CONTROL SWITCH IN "AUTO" POSITION.  
8. CLOSE PORTABLE GENERATOR CIRCUIT BREAKER.

|            |           |
|------------|-----------|
| 480/277V   | 120/208V  |
| A - BROWN  | A - BLACK |
| B - ORANGE | B - RED   |
| C - YELLOW | C - BLUE  |
| N - WHITE  | N - WHITE |
| G - GREEN  | G - GREEN |

LIGHT FIXTURE TYPICAL.

ENGRAVED NAMEPLATE WITH 1" HIGH LETTERS INDICATING SYSTEM VOLTAGE, PHASE ROTATION AND MINIMUM GENERATOR RATING.

ENGRAVED NAMEPLATE WITH SEQUENCE OF OPERATIONS. SEE RESPECTIVE NAMEPLATES.

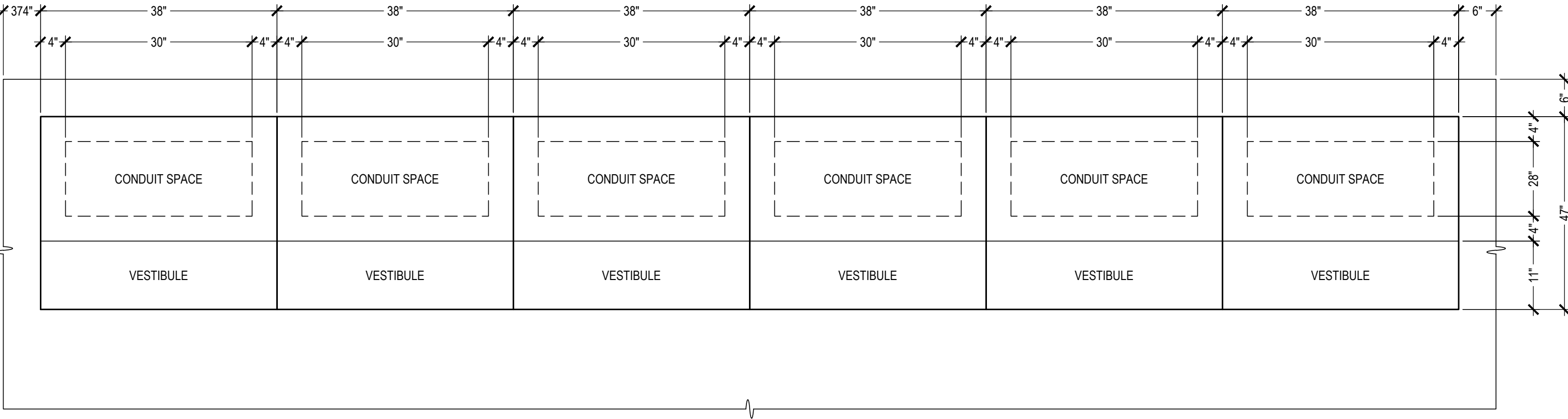
WEATHERPROOF ENCLOSURE WITH LOCKABLE DOORS. PROVIDE DOUBLE HASP FOR OWNER AND UTILITY CO. LOCK.

NEMA L1-15R RECEPTACLE FOR PORTABLE GENERATOR START. PROVIDE MATCHING L1-15P PLUG TO OWNER.

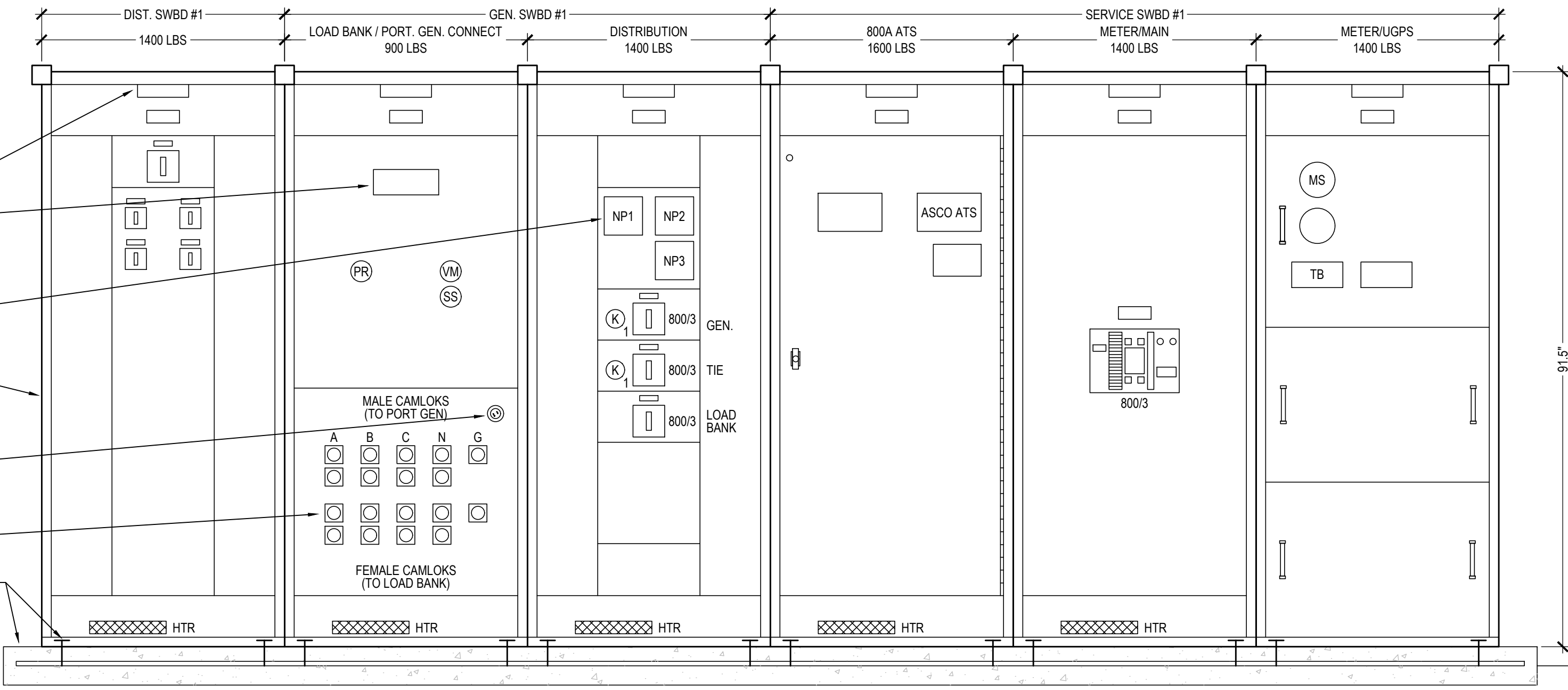
400A CAM-LOCKS - ONE 400A CAM-LOCK PER PHASE.

ANCHORING AND CONCRETE PAD PER STRUCTURAL DRAWINGS.

FINISH GRADE

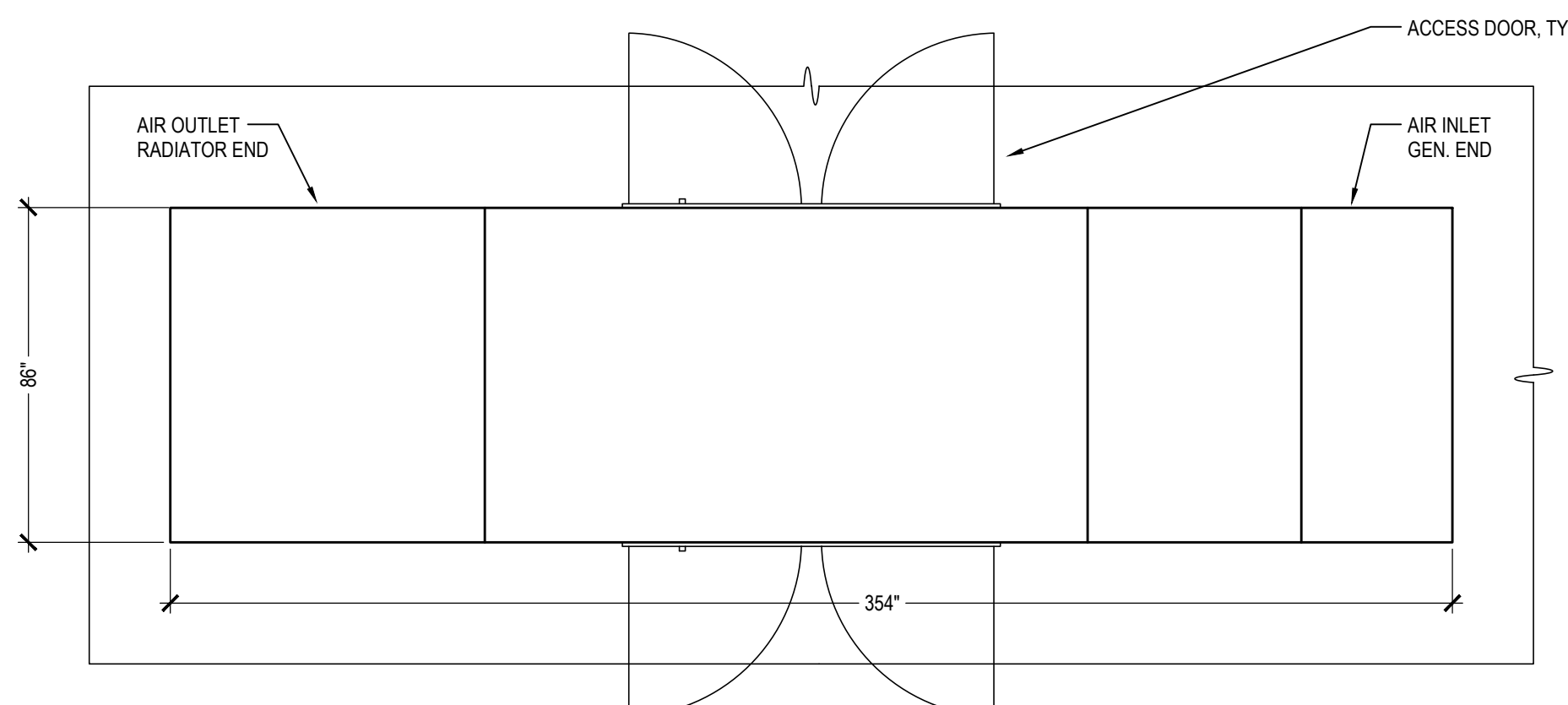


PLAN VIEW



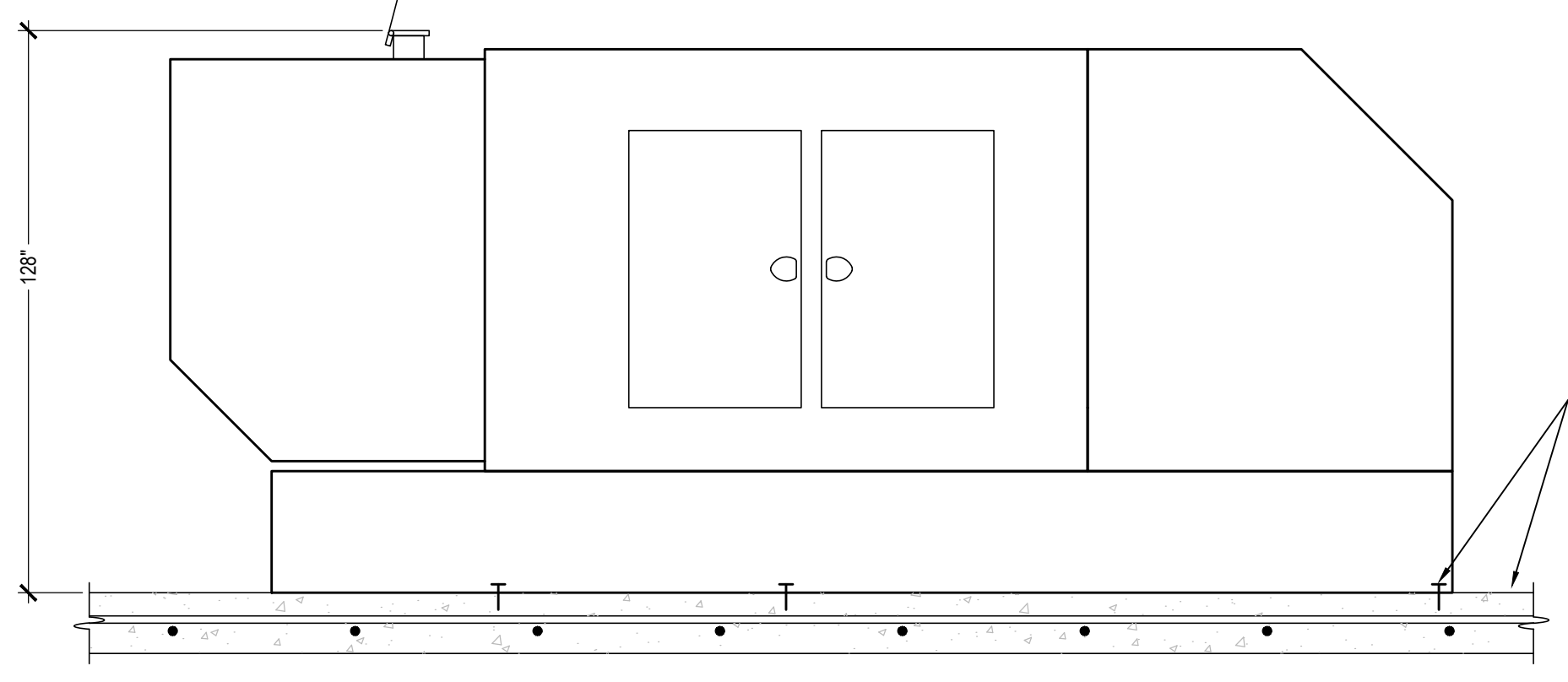
FRONT VIEW

1 NEW SERVICE SWITCHBOARD #1, GENERATOR SWITCHBOARD #1 AND DIST. SWITCHBOARD #1 DETAIL



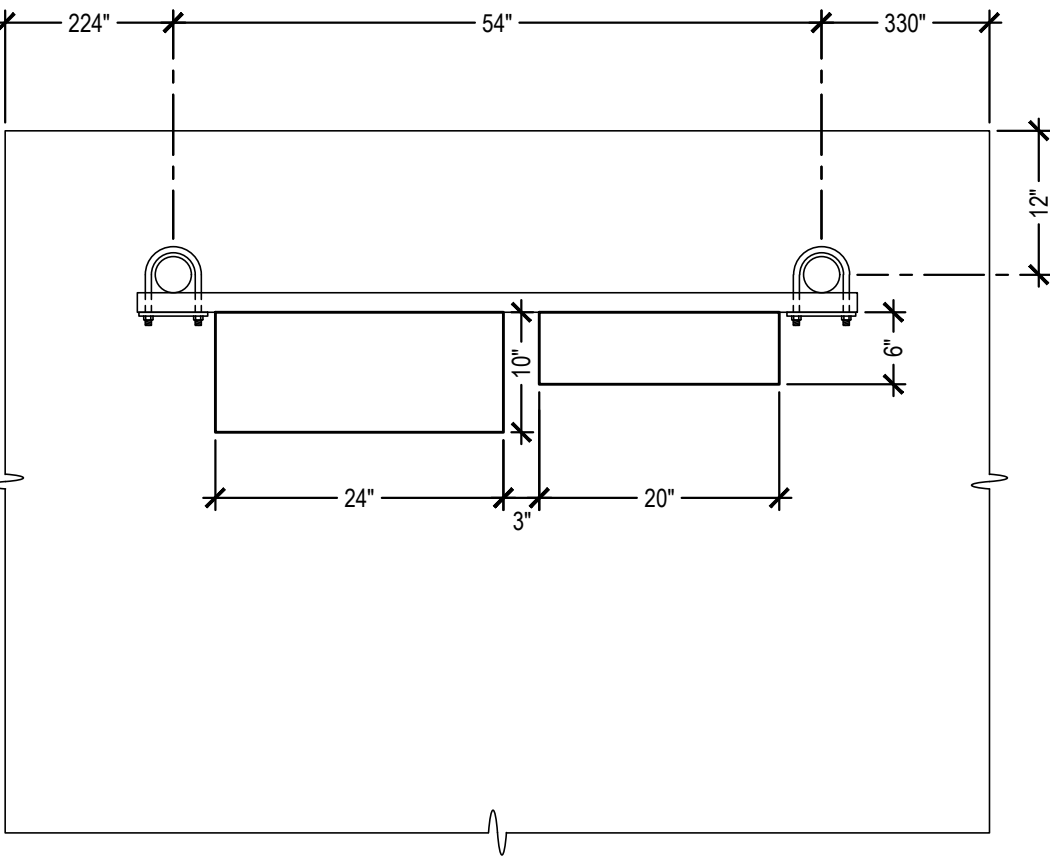
PLAN VIEW

APPROX. GENERATOR WEIGHT: 39,731 LBS.  
GENERATOR DIMENSIONS SHOWN ARE TYPICAL AND DEPENDING ON GENERATOR SELECTED.

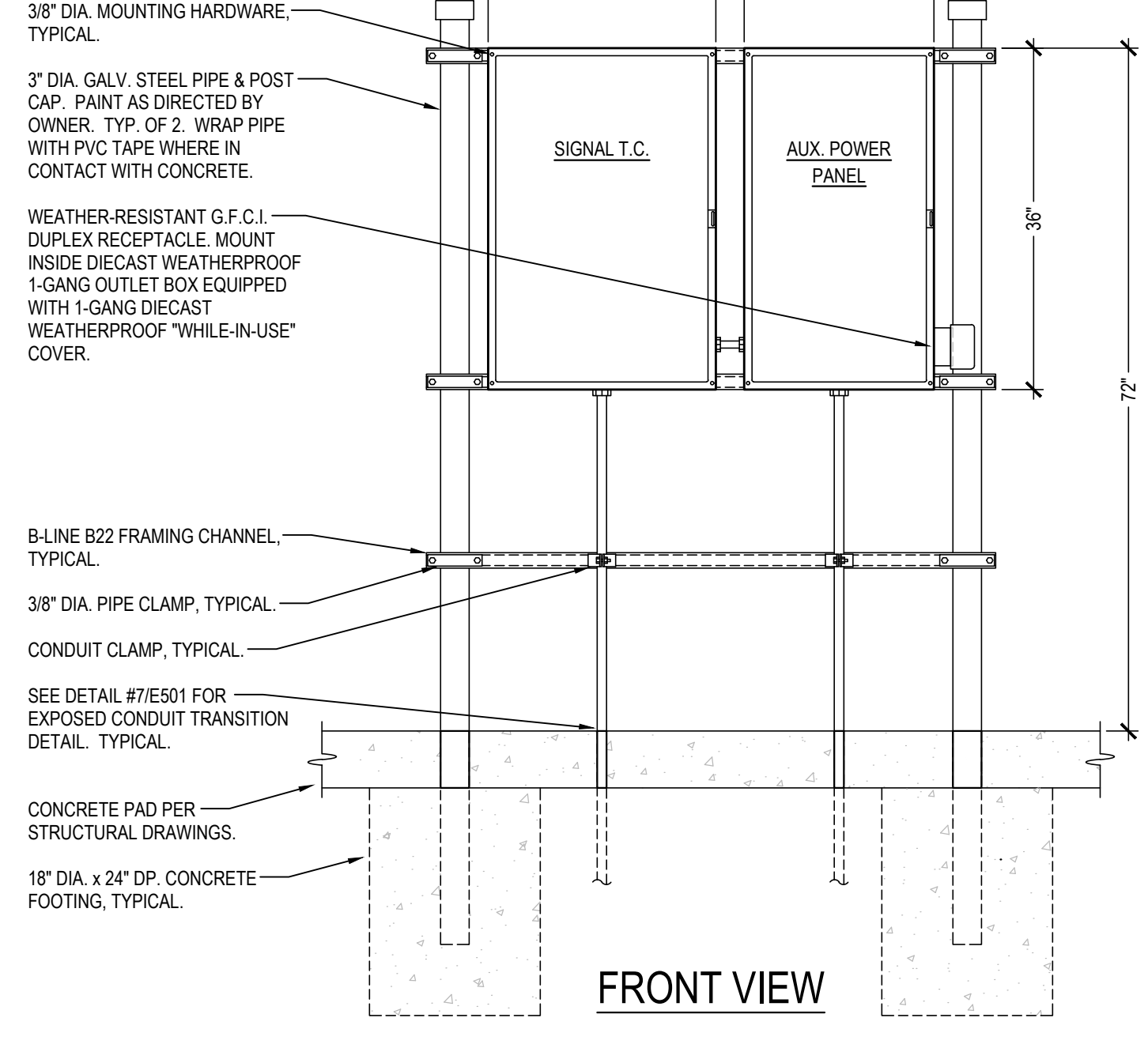


FRONT VIEW

2 NEW 400KW GENERATOR MOUNTING DETAIL



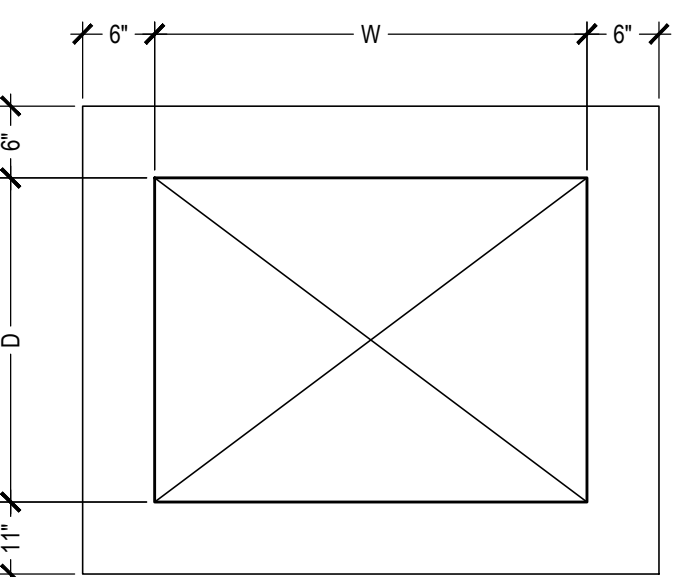
PLAN VIEW



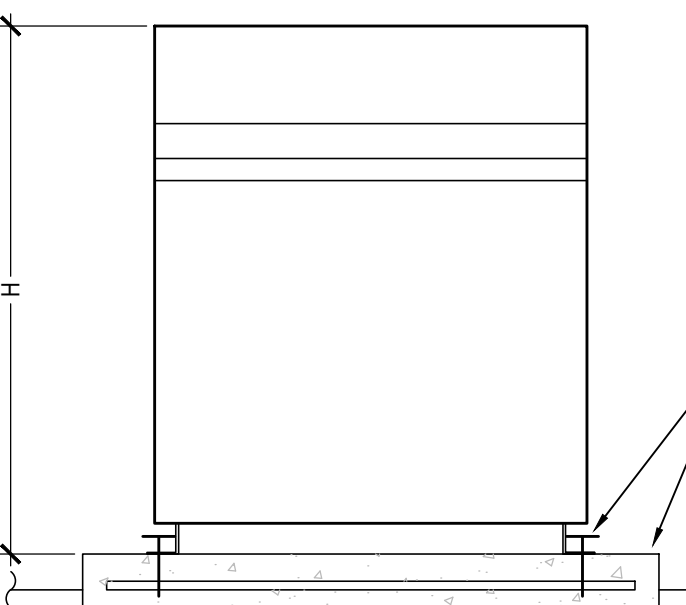
FRONT VIEW

3 NEW EQUIPMENT ELEVATION - GENERATOR PANELS

| XFMR   | H   | W   | D   | WEIGHT     |
|--------|-----|-----|-----|------------|
| *T-S1* | 50" | 41" | 32" | 1,349 LBS. |
| *T-S2* | 37" | 30" | 24" | 620 LBS.   |
| *T-S3* | 50" | 35" | 30" | 980 LBS.   |
| *T-S4* | 37" | 30" | 24" | 620 LBS.   |

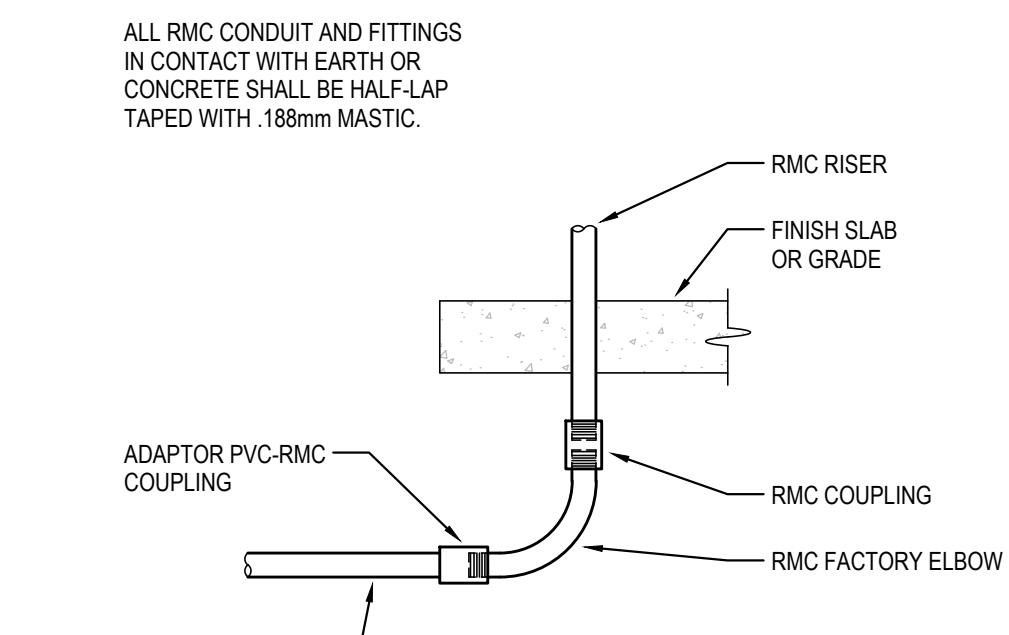


PLAN VIEW

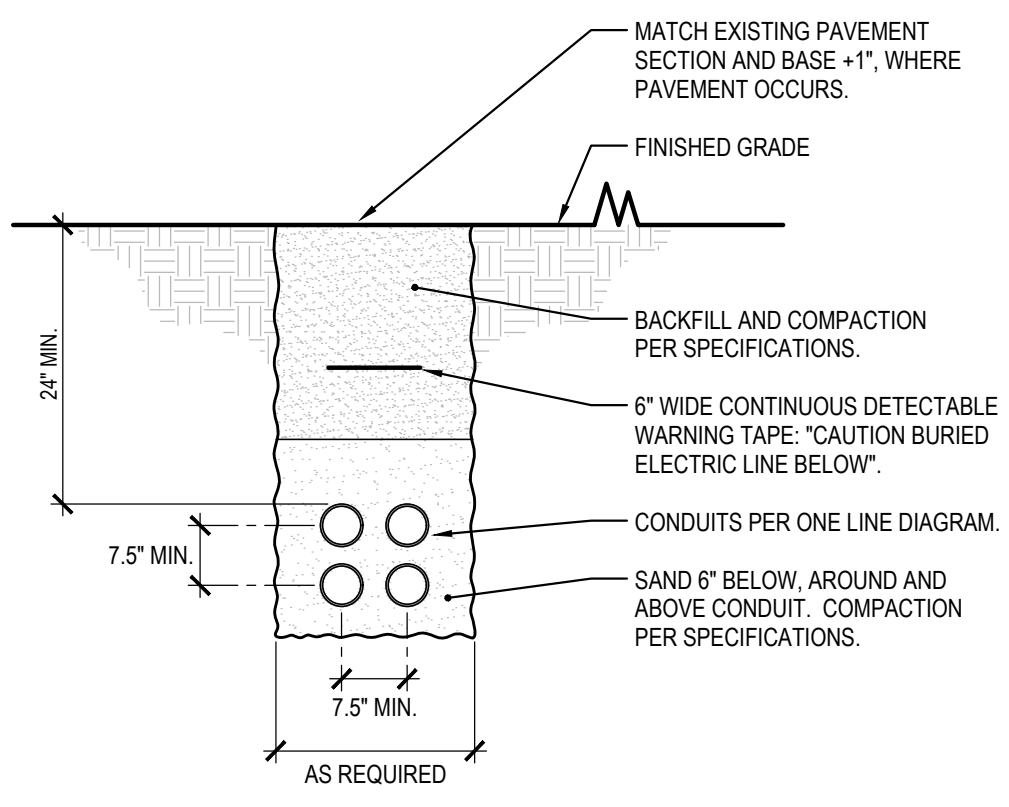


FRONT VIEW

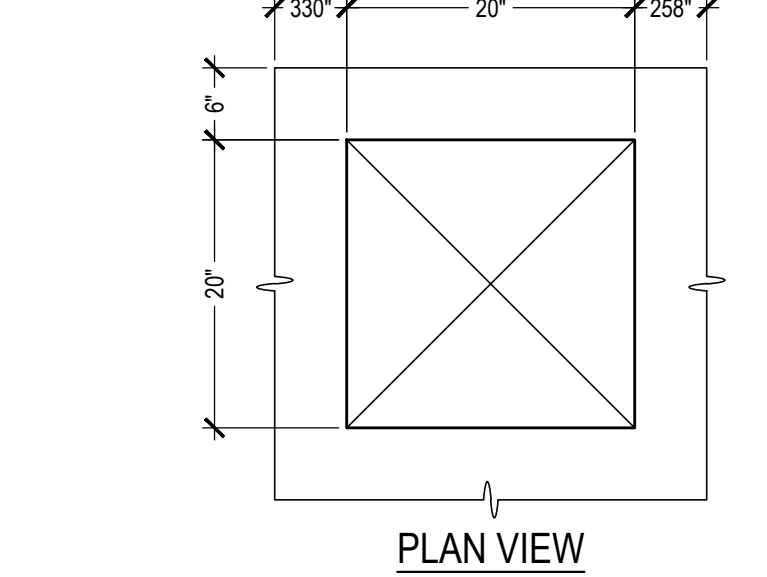
4 TRANSFORMER MOUNTING DETAIL



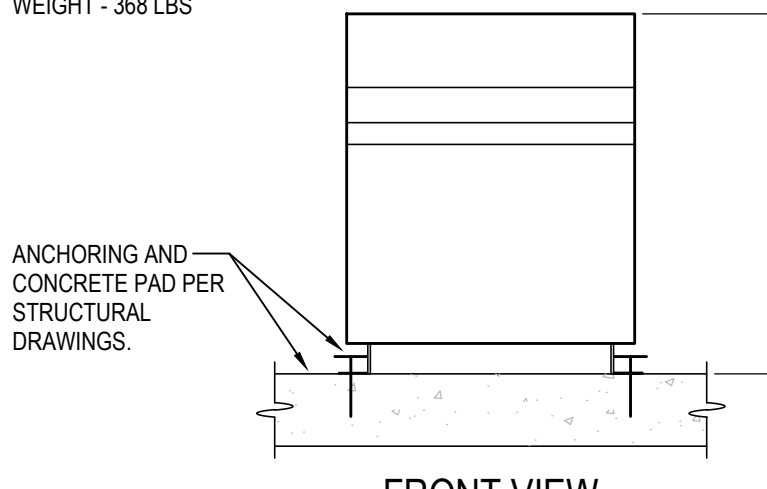
7 CONDUIT TRANSITION DETAIL



8 TRENCH DETAIL



PLAN VIEW



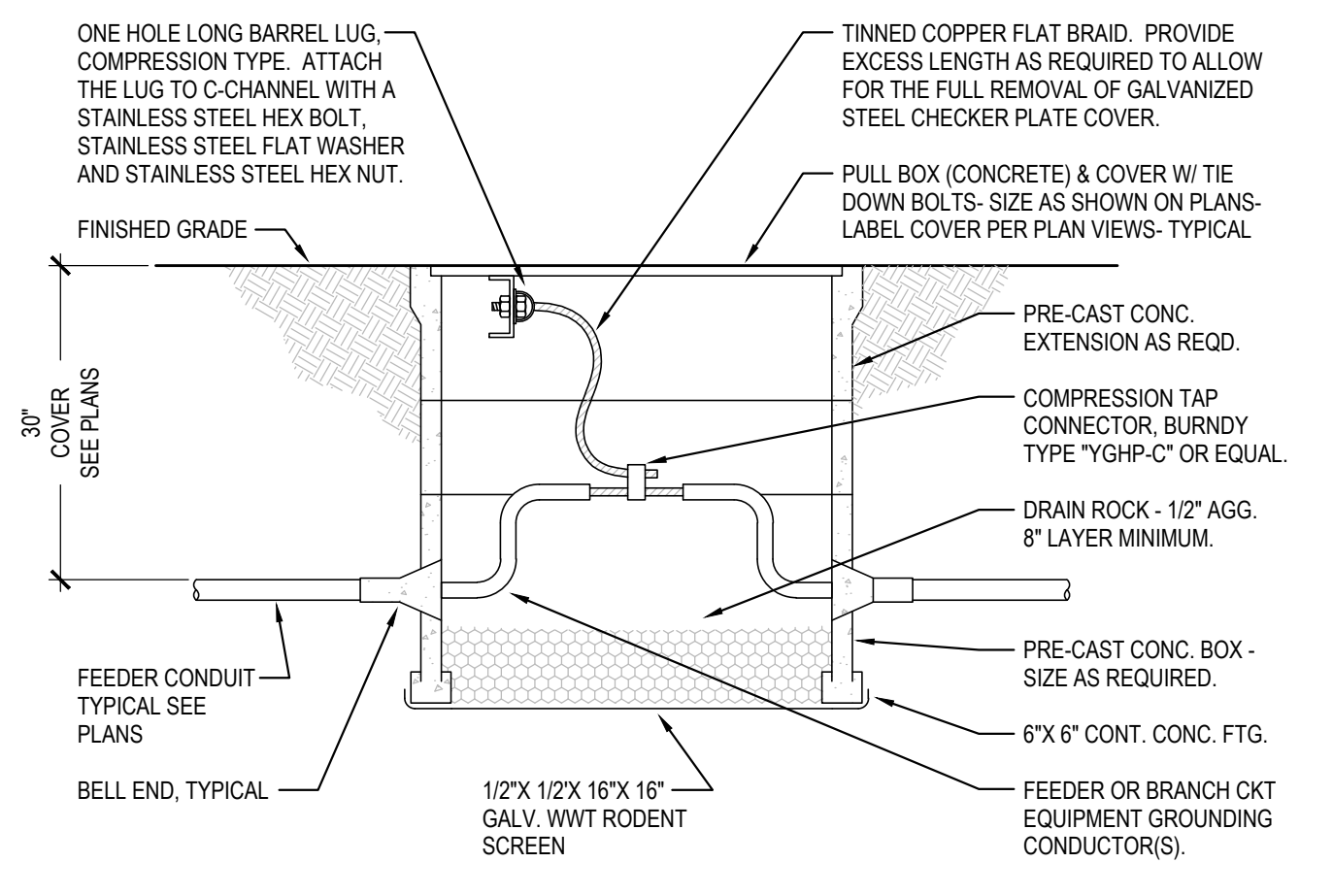
FRONT VIEW

5 TRANSFORMER "T-AP" MOUNTING DETAIL

| PULL BOX | PB1 |
|----------|-----|
| W        | 56" |
| L        | 44" |

NOTES:

- HEAVY TRAFFIC RATED CHRISTY "B" OR EQUAL MINIMUM BOX SIZE PER PLANS. WITH H20 BOLT DOWN COVER.
- ADD EXTENSIONS WHERE NECESSARY TO RAISE COVER TO FINISHED GRADE.
- GROUND COVER FRAME, COVER AND OTHER EXPOSED METAL PARTS TO #8 BARE COPPER GROUND CABLE.
- FLAT BRAID TO BOND COVER TO BE ALPH WIRE #1240 OR OLMPIC WIRE AND CABLE #713.



6 POWER PULL BOX DETAIL

9 GUARDPOST DETAIL

GENERATOR RESILIENCY DESIGN

DETAILS

TIER CLASSIFICATION (CRESS) - 3 SIGNIFICANT  
615 7TH AVE., SANTA CRUZ, CA 95062

|                                                                                                                                                                                                                                              |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
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| XXXX-GXXX-XX                                                                                                                                                                                                                                 | REV |
| DRAWING NUMBER                                                                                                                                                                                                                               | REV |
| E501                                                                                                                                                                                                                                         | X   |



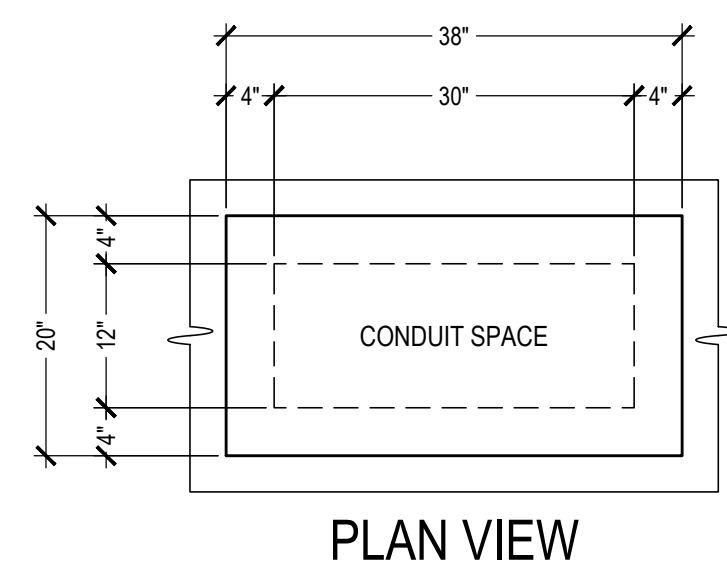
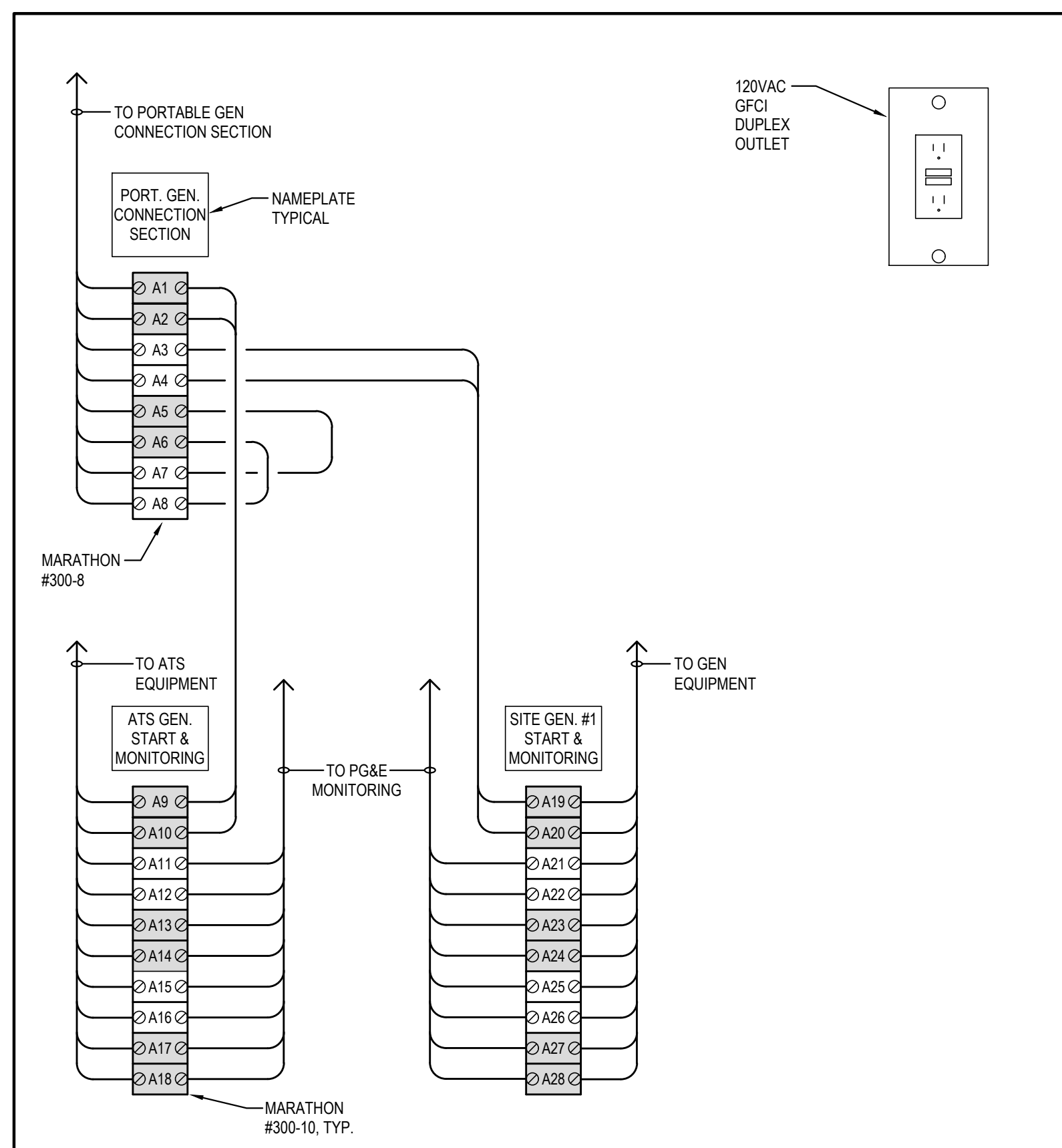
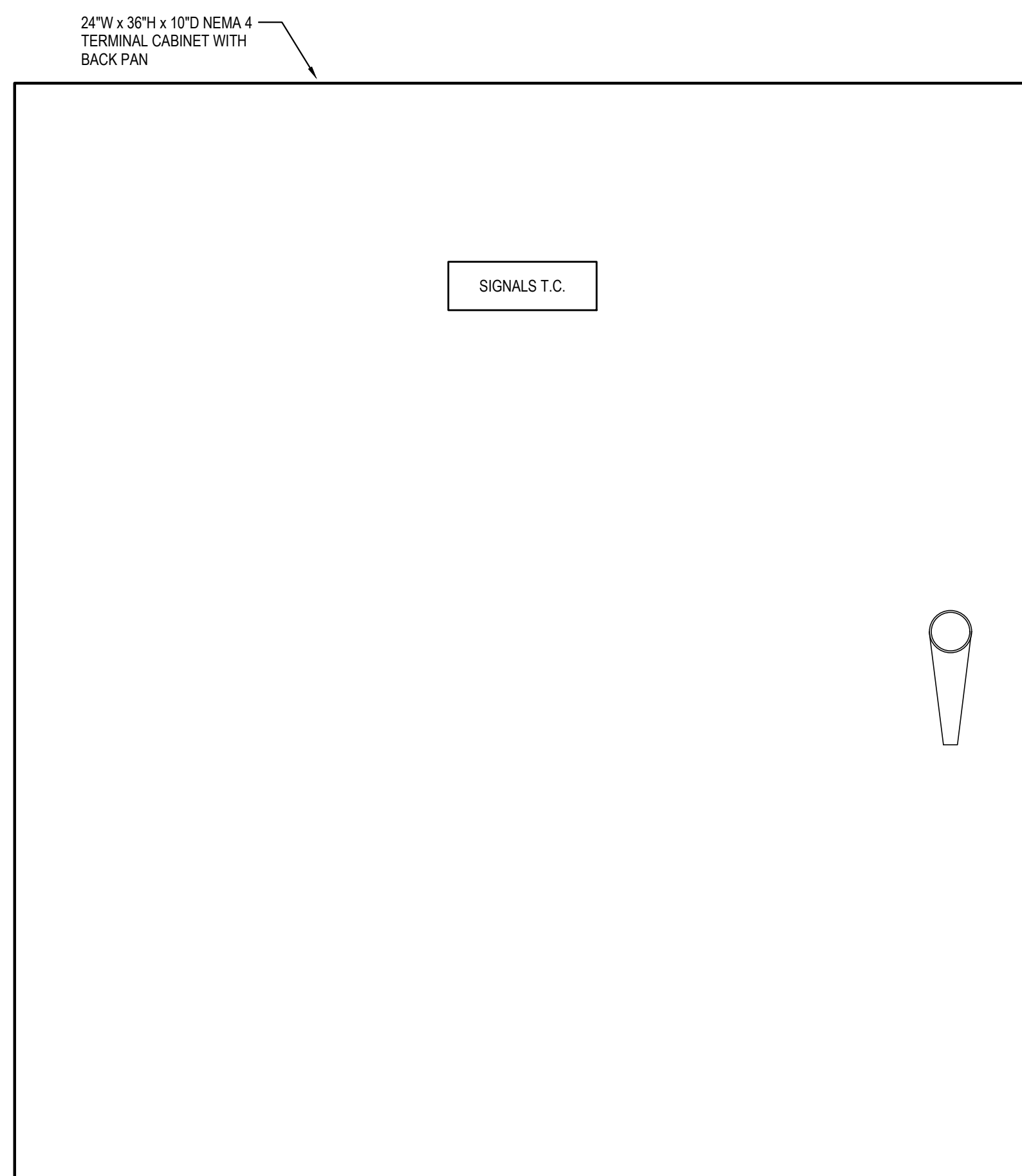
## NOTES (THIS DETAIL ONLY):

- 1 AUX. CONTACTS CLOSED WHEN THE TIE CIRCUIT BREAKER IS CLOSED.
- 2 AUX. CONTACTS CLOSED WHEN PORTABLE GENERATOR CIRCUIT BREAKER IS CLOSED.
- 3 ALL WIRING TO BE #14 CU.

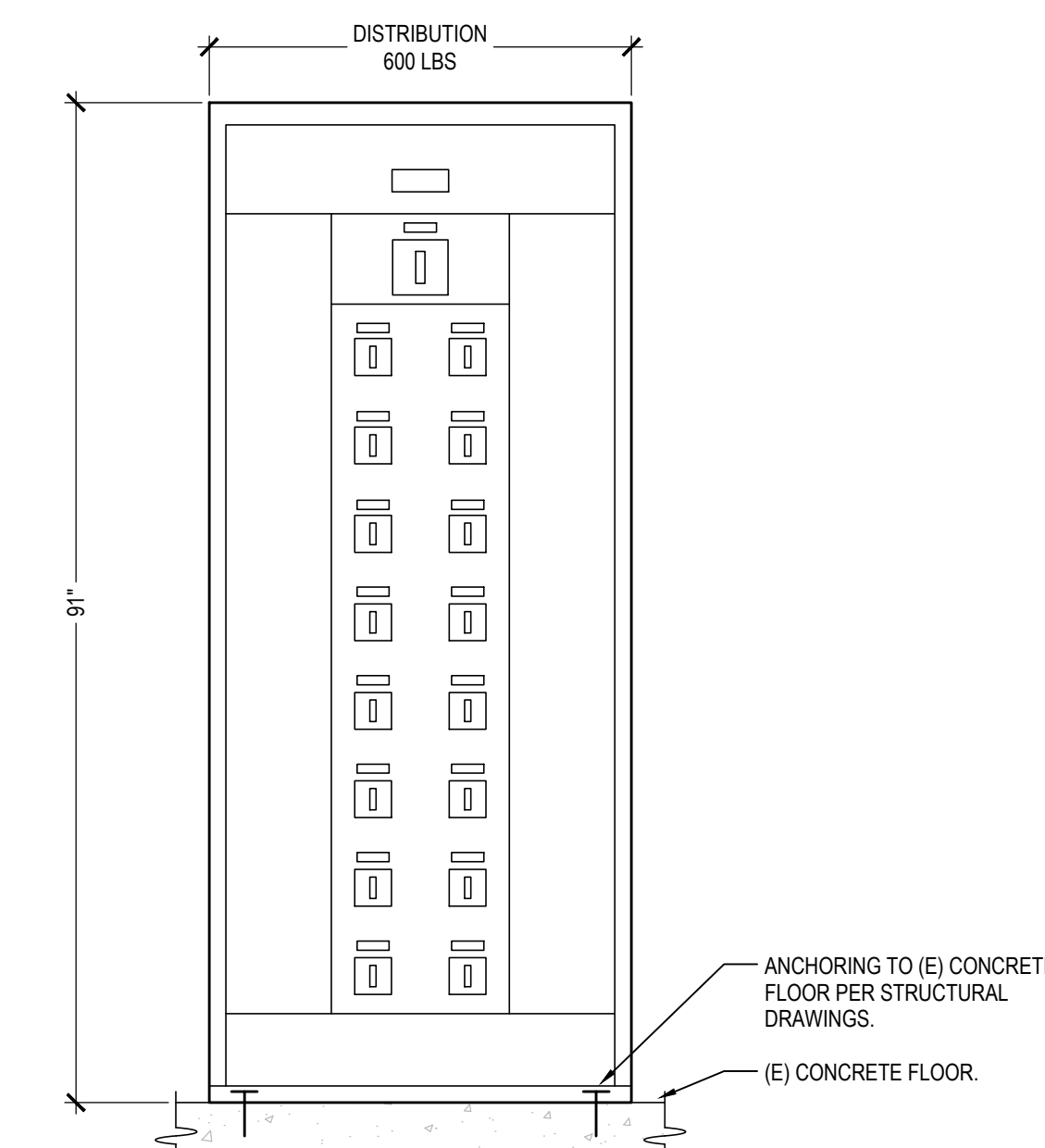
TERMINAL LEGEND  
COPY OF THIS CHART SHALL  
BE LAMINATED AND INSTALLED  
ON INSIDE COVER OF T.C.

| DESIGNATION | COLOR | DESCRIPTION                   |
|-------------|-------|-------------------------------|
| A1/A2       | ..    | ATS GEN START                 |
| A3/A4       | ..    | SITE GEN START                |
| A5/A6       | ..    | PORTABLE GEN START            |
| A7/A8       | ..    | PORTABLE GEN START RECEPTACLE |
| A9/A10      | ..    | ATS GEN START                 |
| A11/A12     | ..    | ATS CLOSED ON NORMAL          |
| A13/A14     | ..    | ATS CLOSED ON EMERGENCY       |
| A15/A16     | ..    | NORMAL SOURCE AVAILABLE       |
| A17/A18     | ..    | EMERGENCY SOURCE AVAILABLE    |

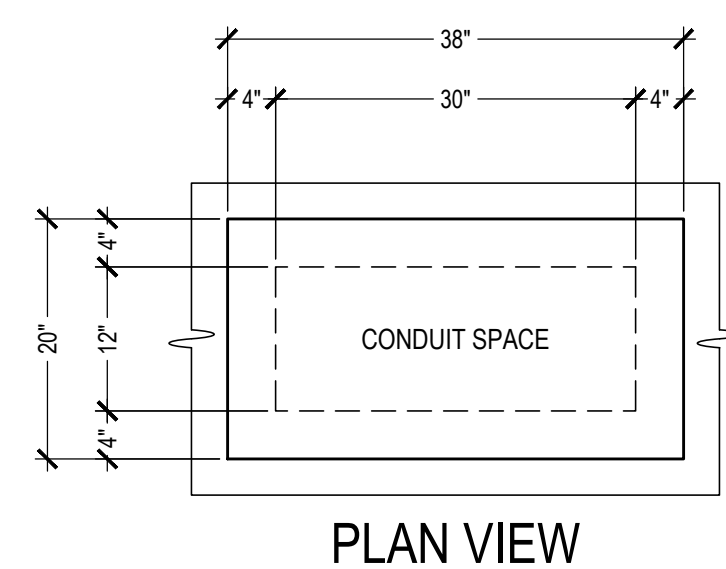
| DESIGNATION | COLOR | DESCRIPTION              |
|-------------|-------|--------------------------|
| A19/A20     | ..    | GEN START - GEN #1       |
| A21/A22     | ..    | SWITCH OFF AUTO - GEN #1 |
| A23/A24     | ..    | GENERATOR RUN - GEN #1   |
| A25/A26     | ..    | MAJOR ALARM - GEN #1     |
| A27/A28     | ..    | LOW BATTERY - GEN #1     |



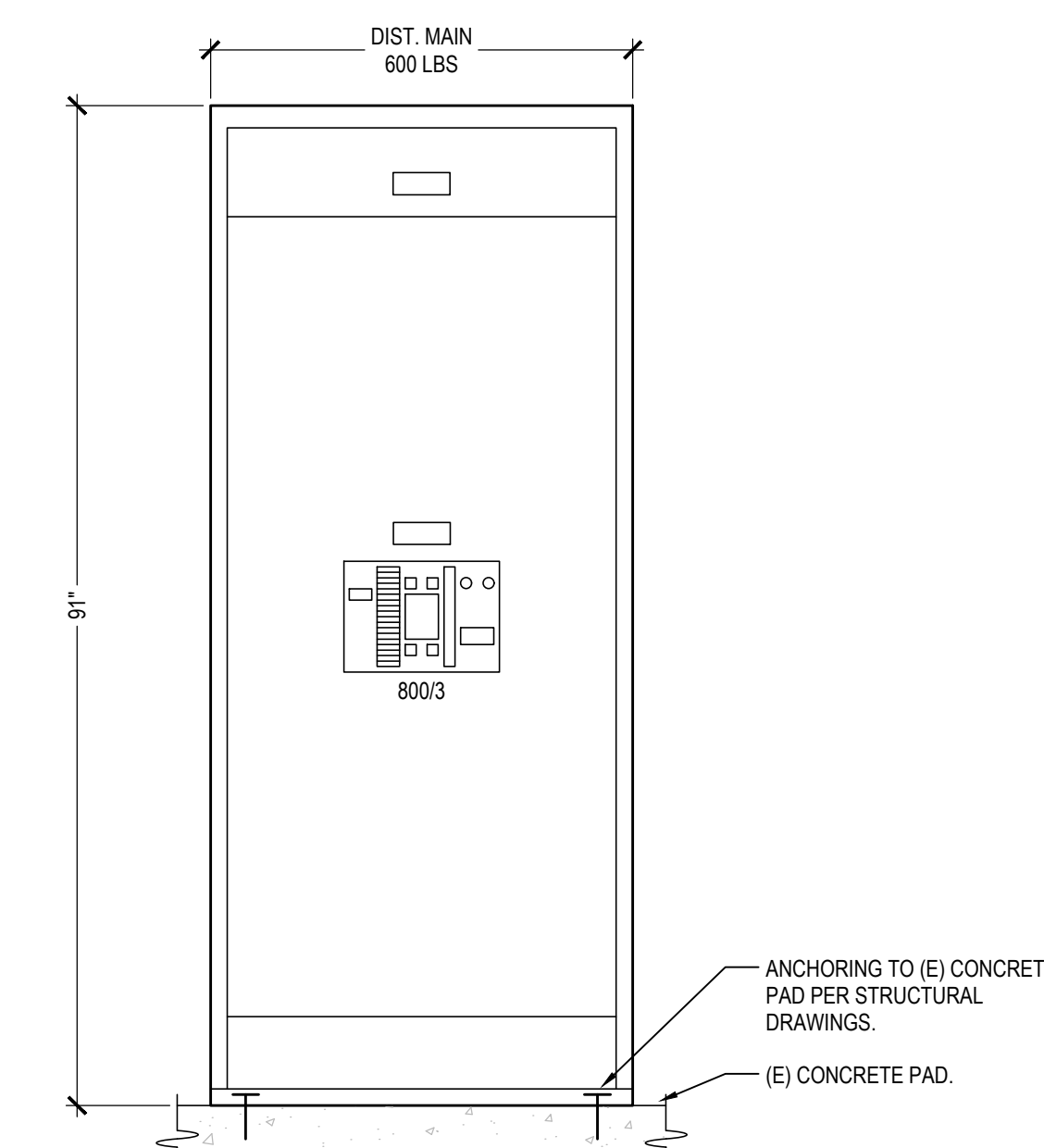
PLAN VIEW



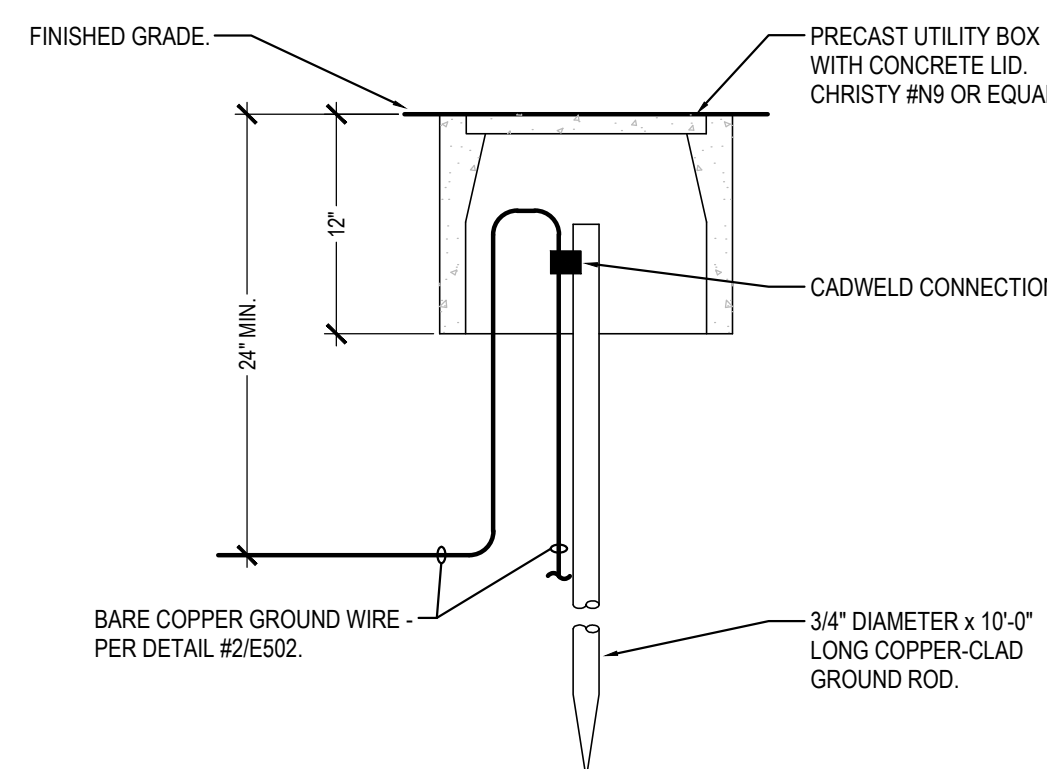
FRONT VIEW



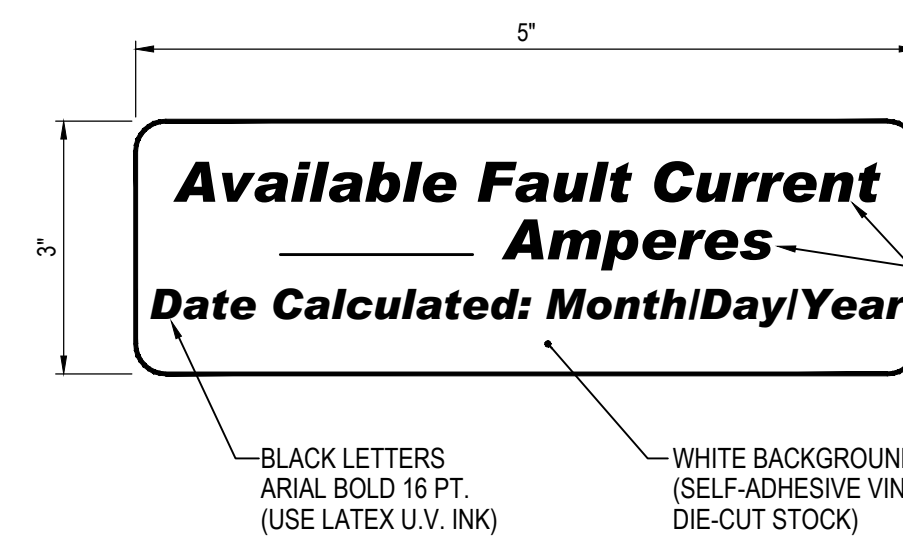
PLAN VIEW



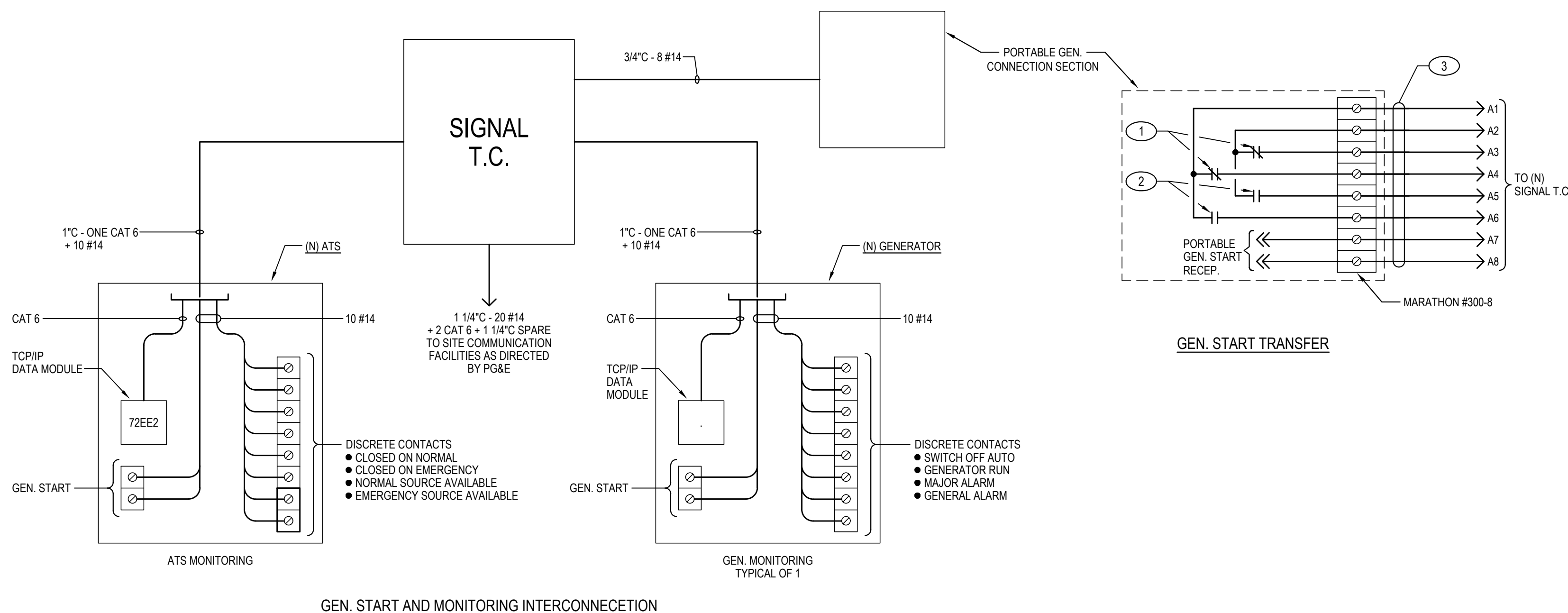
FRONT VIEW



6 GROUND ROD WELL DETAIL

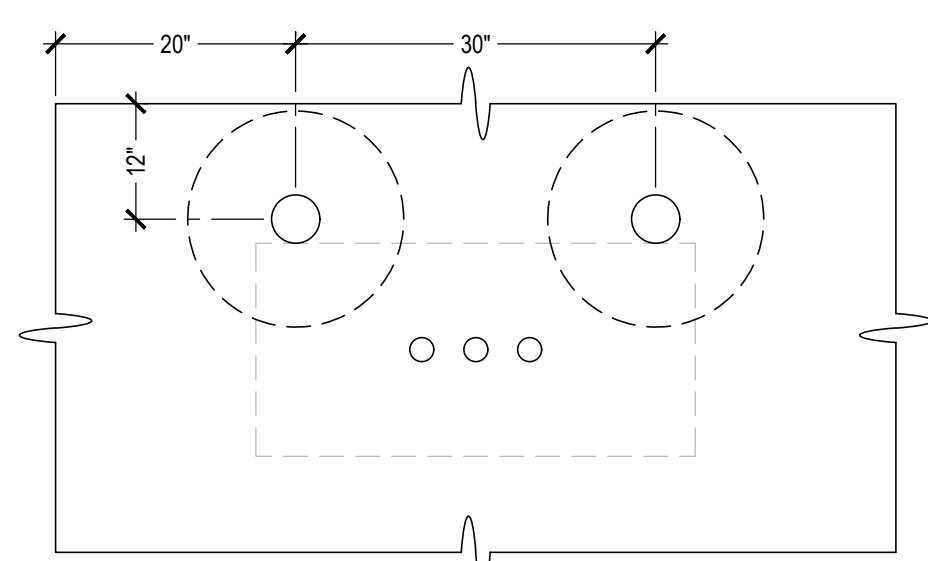


7 IDENTIFICATION OF AVAILABLE FAULT CURRENT



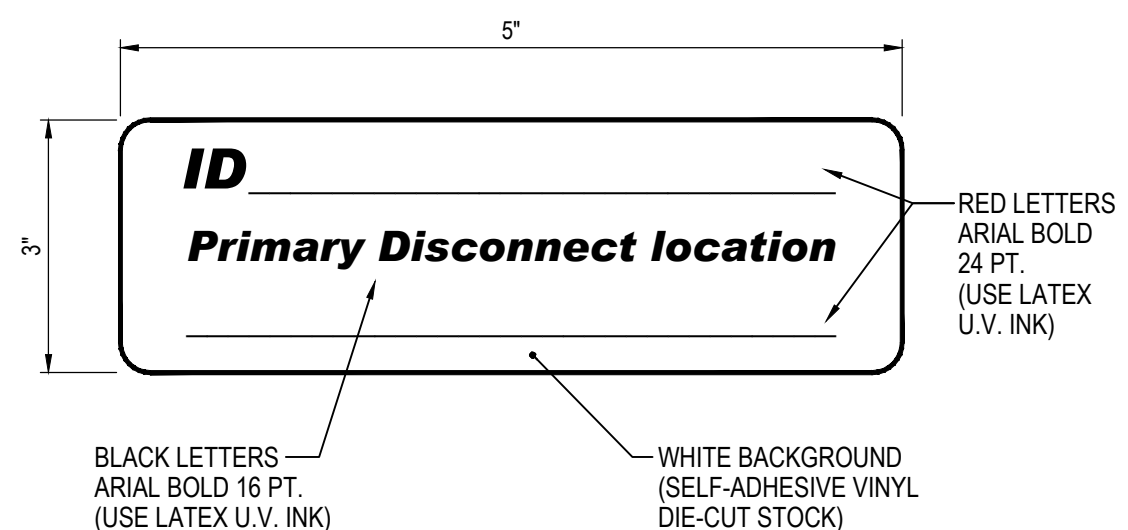
1 STANDBY SYSTEM MONITORING &amp; GENERATOR START INTERCONNECTION DIAGRAM

3 NEW DIST. SWITCHBOARD "S1" DETAIL

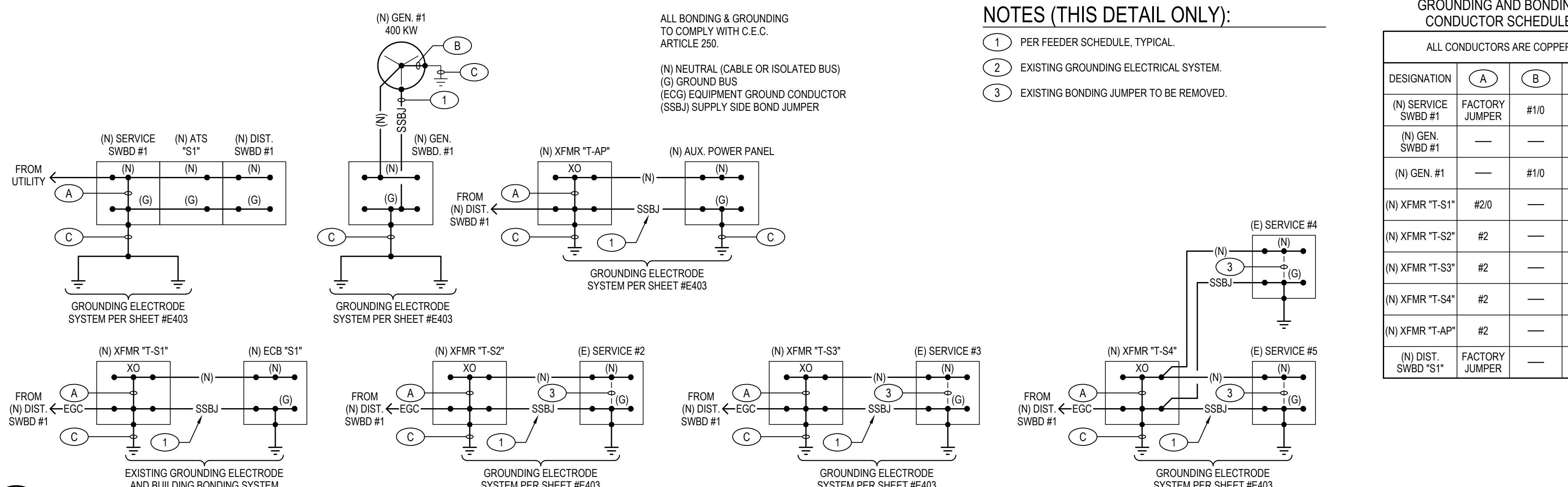


PLAN VIEW

5 NEW ECB "S1" DETAIL



8 IDENTIFICATION OF PRIMARY DISCONNECT



2 GROUNDING AND BONDING DETAIL

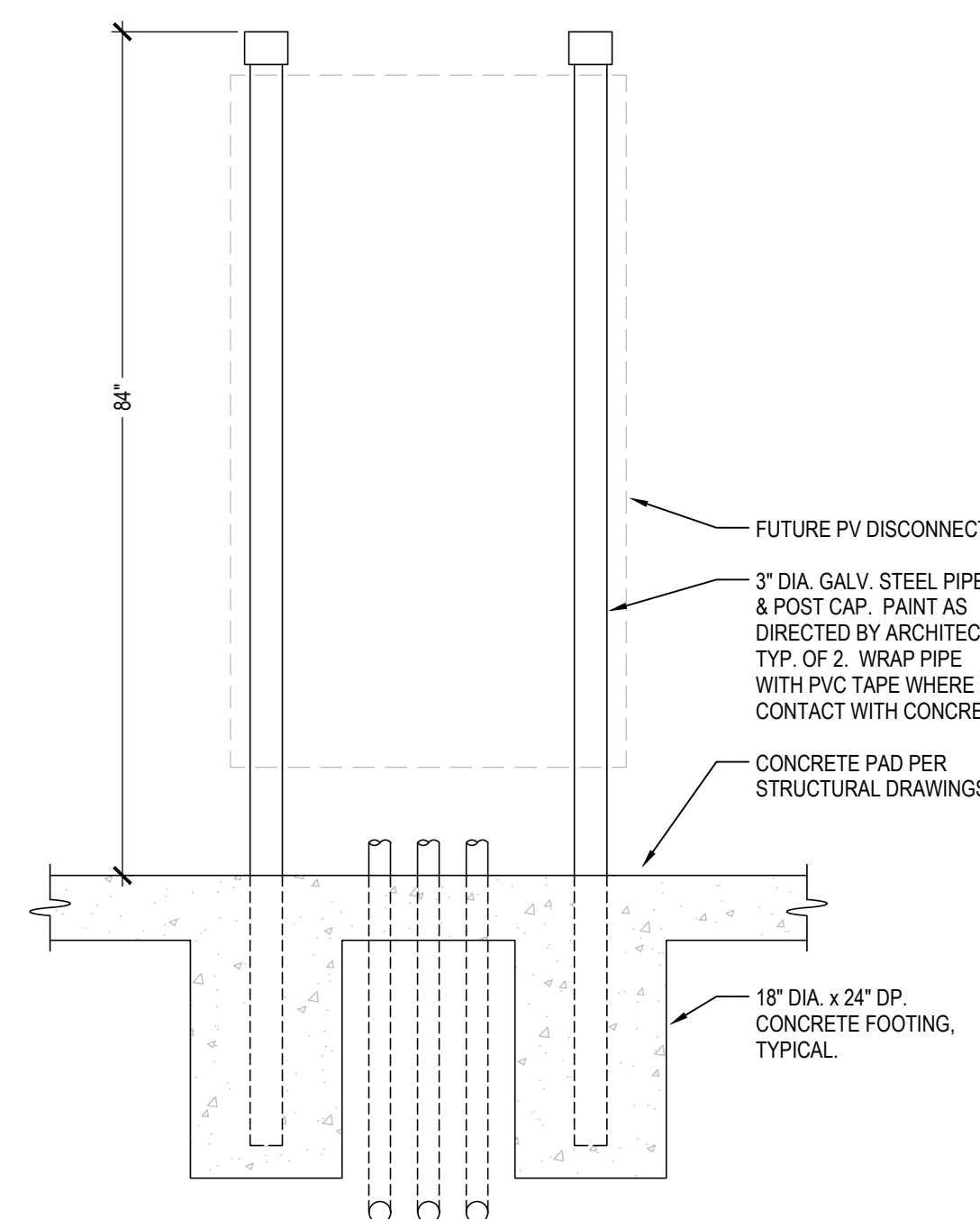
## NOTES (THIS DETAIL ONLY):

- 1 PER FEEDER SCHEDULE, TYPICAL.
- 2 EXISTING GROUNDING ELECTRICAL SYSTEM.
- 3 EXISTING BONDING JUMPER TO BE REMOVED.

## GROUNDING AND BONDING CONDUCTOR SCHEDULE

| DESIGNATION         | A              | B   | C   |
|---------------------|----------------|-----|-----|
| (N) SERVICE SWBD #1 | FACTORY JUMPER | #10 | #10 |
| (N) GEN. SWBD #1    | —              | —   | #10 |
| (N) GEN. #1         | —              | #10 | #10 |
| (N) XFMR "T-S1"     | #20            | —   | #10 |
| (N) XFMR "T-S2"     | #2             | —   | #10 |
| (N) XFMR "T-S3"     | #2             | —   | #10 |
| (N) XFMR "T-S4"     | #2             | —   | #10 |
| (N) XFMR "T-AP"     | #2             | —   | #10 |
| (N) DIST. SWBD "S1" | FACTORY JUMPER | —   | #10 |

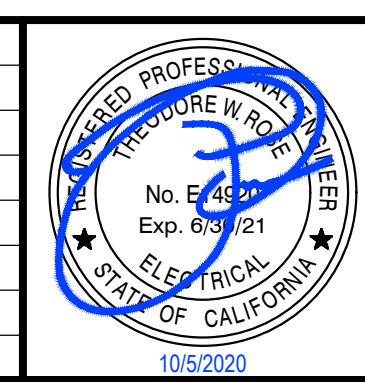
4 FUTURE PV DISCONNECT MOUNTING DETAIL



FRONT VIEW

| REV | DATE     | DESCRIPTION | DSGN | DWN | CHKD | SUPV | APVD |
|-----|----------|-------------|------|-----|------|------|------|
| 1   | 20200908 |             |      |     |      |      |      |

|        |           |
|--------|-----------|
| JOB NO | 19-140.01 |
| DSGN   |           |
| DWN    |           |
| CHKD   |           |
| SUPV   |           |
| APVD 1 |           |
| APVD 2 |           |
| DATE   | 20200908  |



|               |                        |
|---------------|------------------------|
| DISCIPLINE    | ELECTRICAL             |
| FACILITY TYPE | SERVICE CENTER         |
| FACILITY NAME | SANTA CRUZ SERV. CNTR. |
| SITE ID       | 346202                 |
| BUILDING ID   |                        |
| BUILDING NAME |                        |
| FLOOR ID      |                        |
| ORDER NO      |                        |

|               |                        |
|---------------|------------------------|
| DISCIPLINE    | ELECTRICAL             |
| FACILITY TYPE | SERVICE CENTER         |
| FACILITY NAME | SANTA CRUZ SERV. CNTR. |
| SITE ID       | 346202                 |
| BUILDING ID   |                        |
| BUILDING NAME |                        |
| FLOOR ID      |                        |
| ORDER NO      |                        |

|                                             |      |
|---------------------------------------------|------|
| GENERATOR RESILIENCY DESIGN                 |      |
| DETAILS                                     |      |
| TIER CLASSIFICATION (CRESS) - 3 SIGNIFICANT |      |
| 615 7TH AVE., SANTA CRUZ, CA 95062          |      |
| DRAWING NUMBER                              | E502 |
| REV                                         | X    |

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NO. OF SHEETS: XXXX-GXXX-XX  
DRAWING NUMBER: E502  
REV: X





|        |                                                       |
|--------|-------------------------------------------------------|
| 50G    | 1°C - 3 #8 + 1 #10 GND (CU-XHHW-2).                   |
| 125G   | 2°C - 3 #2 + 1 #6 GND (CU-XHHW-2).                    |
| 350G   | 3°C - 3 #50 kcmil + 1 #2 GND (CU-XHHW-2).             |
| 400GS  | 3°C - 3 #500 kcmil + 1 #1 GND (CU-XHHW-2).            |
| 100GN  | 2°C - 4 #2 + 1 #6 GND (CU-XHHW-2).                    |
| 200GN  | 2°C - 4 #30 + 1 #6 GND (CU-XHHW-2).                   |
| 800GN  | TWO 41°C - 4 #500 kcmil + 1 #10 GND (CU-XHHW-2) EACH. |
| 100GN1 | 2°C - 3 #2 + 1 #6 GND (CU-XHHW-2).                    |

|                                                                                                                                                                                                                                                                       |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>WARNING:</b><br>THIS DOCUMENT CONTAINS CONFIDENTIAL,<br>PROPRIETARY INFORMATION THAT IS THE<br>SOLE PROPERTY OF PACIFIC GAS AND<br>ELECTRIC COMPANY AND IS INTENDED FOR<br>USE ONLY BY AUTHORIZED PACIFIC GAS<br>AND ELECTRIC COMPANY EMPLOYEES AND<br>ITS AGENTS. |                 |
| INDEX OF SHEETS<br>DRAWING NUMBER                                                                                                                                                                                                                                     | XXXX-GXXX-XX    |
| DRAWING NUMBER<br><b>E601</b>                                                                                                                                                                                                                                         | REV<br><b>X</b> |











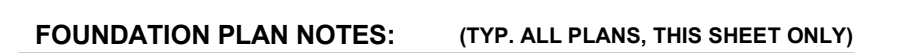
Z:\Drafting\Jobs\PSA\PSA2\Gen Resiliency - Multi Shes\Santa Cruz\Design\C101-01.dwg DATE PLOTTED: 10/05/20 JOB #: 19-140.01-TR

APPROX. SCALE: 1" = 40' - 0"

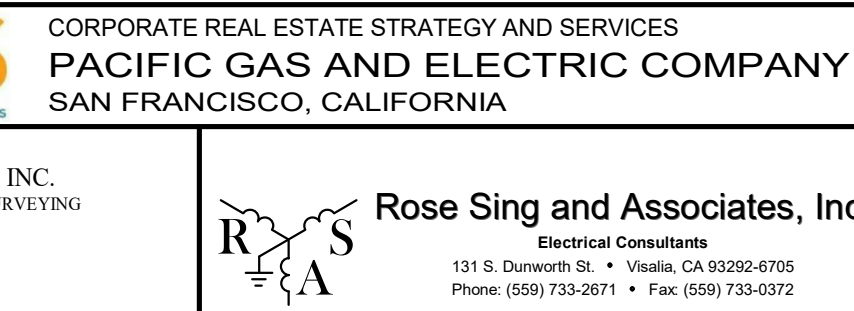
NOTE: PROPERTY BOUNDARY AND OTHER RIGHTS-OF-WAY SHOWN  
ARE APPROXIMATE ONLY AND NOT BASED ON A FIELD SURVEY.

|                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |             |      |     |      |      |      |      |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|------|-----|------|------|------|------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| <div style="display: flex; justify-content: space-between;"> <div> <p>JOB NO 19-140.01</p> <p>DSGN</p> <p>DWN</p> <p>CHKD</p> <p>SUPV</p> <p>APVD 1</p> <p>APVD 2</p> </div> <div>  </div> <div> <p><b>CRESS</b><br/>CORPORATE REAL ESTATE STRATEGY AND SERVICES<br/>PACIFIC GAS AND ELECTRIC COMPANY<br/>SAN FRANCISCO, CALIFORNIA</p> </div> </div> |      |             |      |     |      |      |      |      |          | <div style="display: flex; justify-content: space-between;"> <div> <p><b>DISCIPLINE</b> ELECTRICAL</p> <p><b>FACILITY TYPE</b> SERVICE CENTER</p> <p><b>FACILITY NAME</b> SANTA CRUZ SERV. CNTR.</p> <p><b>SITE ID</b> 346202</p> <p><b>BUILDING ID</b></p> <p><b>BUILDING NAME</b></p> <p><b>FLOOR ID</b></p> <p><b>ORDER NO</b></p> </div> <div> <p><b>GENERATOR RESILIENCY DESIGN</b></p> <p><b>PLOT PLAN</b></p> <p><b>TIER CLASSIFICATION (CRESS) - 3 SIGNIFICANT</b></p> <p><b>615 7TH AVE., SANTA CRUZ, CA 95062</b></p> </div> <div> <p><b>WARNINGS:</b><br/>THIS DOCUMENT CONTAINS CONFIDENTIAL, PROPRIETARY INFORMATION THAT IS THE SOLE PROPERTY OF PACIFIC GAS AND ELECTRIC COMPANY AND IS INTENDED FOR USE ONLY BY AUTHORIZED PACIFIC GAS AND ELECTRIC COMPANY EMPLOYEES AND ITS AGENTS.</p> <p><b>NO. OF SHEETS</b> XXXX-XXXX-XX</p> <p><b>DRAWING NUMBER</b> C101-01</p> <p><b>REV</b> X</p> </div> </div> |  |  |  |  |  |  |  |  |  |
| REV                                                                                                                                                                                                                                                                                                                                                                                                                                        | DATE | DESCRIPTION | DSGN | DWN | CHKD | SUPV | APVD | DATE | 20200908 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |





1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN W/ ELECTRICAL DWGS. PRIOR TO CONSTRUCTION.
2. PROPOSED ELECTRICAL UNITS SHOWN HIDDEN AND FADED FOR CLARITY. SEE ELECTRICAL PLANS FOR ADD'L INFORMATION.
3. SEE ANCHORAGE SCHEDULE, DETAIL 1/S501.
4. SEE DETAIL 2/S501 FOR ADDITIONAL INFORMATION ON EDGE OF SLAB.



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| <p align="center"><b>GENERATOR RESILIENCY DESIGN</b></p> <p align="center"><b>FOUNDATION PLANS</b></p> <p align="center"><b>TIER CLASSIFICATION (CRESS) - 3 SIGNIFICANT</b></p> <p align="center"><b>615 7TH AVE., SANTA CRUZ, CA 95062</b></p> |  | <p><b>WARNING:</b><br/>THIS DOCUMENT CONTAINS CONFIDENTIAL, PROPRIETARY INFORMATION THAT IS THE SOLE PROPERTY OF PACIFIC GAS AND ELECTRIC COMPANY AND IS INTENDED FOR USE ONLY BY AUTHORIZED PACIFIC GAS AND ELECTRIC COMPANY EMPLOYEES AND ITS AGENTS.</p> <p>NEXT OF SHEETS: XXXXX-GXXX-XX<br/>DRAWING NUMBER: S101-01<br/>REV: X</p> |
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