

|     |              | POWER C             | RCUIT BREAKER  | RS   |  |
|-----|--------------|---------------------|--|--|--|
| KV  | CONT<br>AMPS | SHORT<br>CKT KA     | TIME CYCLES  | MANUFACTURER   | MODEL  |
| 230 | 2000         | 40                  | 3  | XXX  | XXX  |
| 15  | 1200         | 20                  | 5  | XXX  | XXX  |
|     |              | DIOCONI             | VIEOT OM/TOUE  |  |  |
|     |              | DISCONI             | NECT SWITCHES  | 5  |  |
| KV  | CONT<br>AMPS | SHORT<br>CKT KA     | TYPE   | MANUFACTURER   | MODEL  |
|     | 230<br>15    | 230 2000<br>15 1200 | KV         CONT AMPS         SHORT CKT KA           230         2000         40           15         1200         20           DISCONI           KV         CONT         SHORT | KV         CONT AMPS         SHORT CKT KA         TIME CYCLES           230         2000         40         3           15         1200         20         5    DISCONNECT SWITCHES  KV  CONT SHORT TYPE | KV         AMPS         CKT KA         HIME CYCLES         MANUFACTURER           230         2000         40         3         XXX           15         1200         20         5         XXX           DISCONNECT SWITCHES           KV         CONT         SHORT         TYPE         MANUFACTURER |

VB

XXX

| 189        | 230 | 1200 | 61                 | CBV          | XXX                | XXX   |
|------------|-----|------|--------------------|--------------|--------------------|-------|
| 4021, 5021 | 15  | 1200 | 61                 | VB           | XXX                | XXX   |
|            |     |      |                    |              |                    |       |
|            |     |      |                    |              |                    |       |
|            |     |      | POTENTIAL          | L TRANSFORME | RS                 |       |
| NAME       | KV  |      | POTENTIAI<br>RATIO | L TRANSFORME | RS<br>MANUFACTURER | MODEL |

230

381, 483, 583

1200

| CURRENT TRANSFORMERS |     |       |              |       |  |
|----------------------|-----|-------|--------------|-------|--|
| NAME                 | KV  | RATIO | MANUFACTURER | MODEL |  |
| QV1A                 | 230 | 50:5  | XXX          | XXX   |  |

| TRANSFORMERS   |                   |         |              |
|----------------|-------------------|---------|--------------|
| NAME           | VOLTAGE           | MAX KVA | MANUFACTURER |
| T1, T2         | 230-12.47/7.2 KV  | 12,500  | XXX          |
| KW40B, KW50B   | 12.47-4.16/2.4 KV | 10,000  | XXX          |
| KW40A1, KW50A1 | 7,200-120/240 V   | 25      | XXX          |

| BUS AND JUMPERS (SEE NOTES 1 & 2) |                         |       |           |  |
|-----------------------------------|-------------------------|-------|-----------|--|
| NAME                              | DESCRIPTION             | KV    | CONT AMPS |  |
| HV LINE JUMPER                    | 954 KCM AAC, "MAGNOLIA" | 230   | 947       |  |
| HV MAIN RIGID BUS                 | 4" SPS ALUMINUM, SCH 40 | 230   | 2529      |  |
| HV MAIN BUS JUMPER                | 954 KCM AAC, "MAGNOLIA" | 230   | 947       |  |
| LV MAIN RIGID BUS                 | 4" SPS ALUMINUM, SCH 40 | 12.47 | 2529      |  |
| LV MAIN BUS JUMPER                | 556.2 KCM AAC, "DAHLIA" | 12.47 | 677       |  |

## NOTES:

- 1. BUS AMPACITY IS BASED ON 40°C RISE OVER 50°C AMBINET TEMPERATURE, EMISSIVITY = 0.5 W/ SUN.
- 2. CONDUCTOR AMPACITY IS BASED ON 50°C RISE OVER 50°C AMBINET TEMPERATURE, EMISSIVITY = 0.5 W/ SUN, 2FT./SEC. WIND.

## **DEVICE LEGEND**

GROUP OPERATED SWITCH

— FUSED DISCONNECT SWITCH

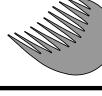
CENTER BREAK SWITCH

VOLTAGE TRANSFORMER

CURRENT TRANSFORMER

---- CIRCUIT BREAKER

XXX



VERIFY

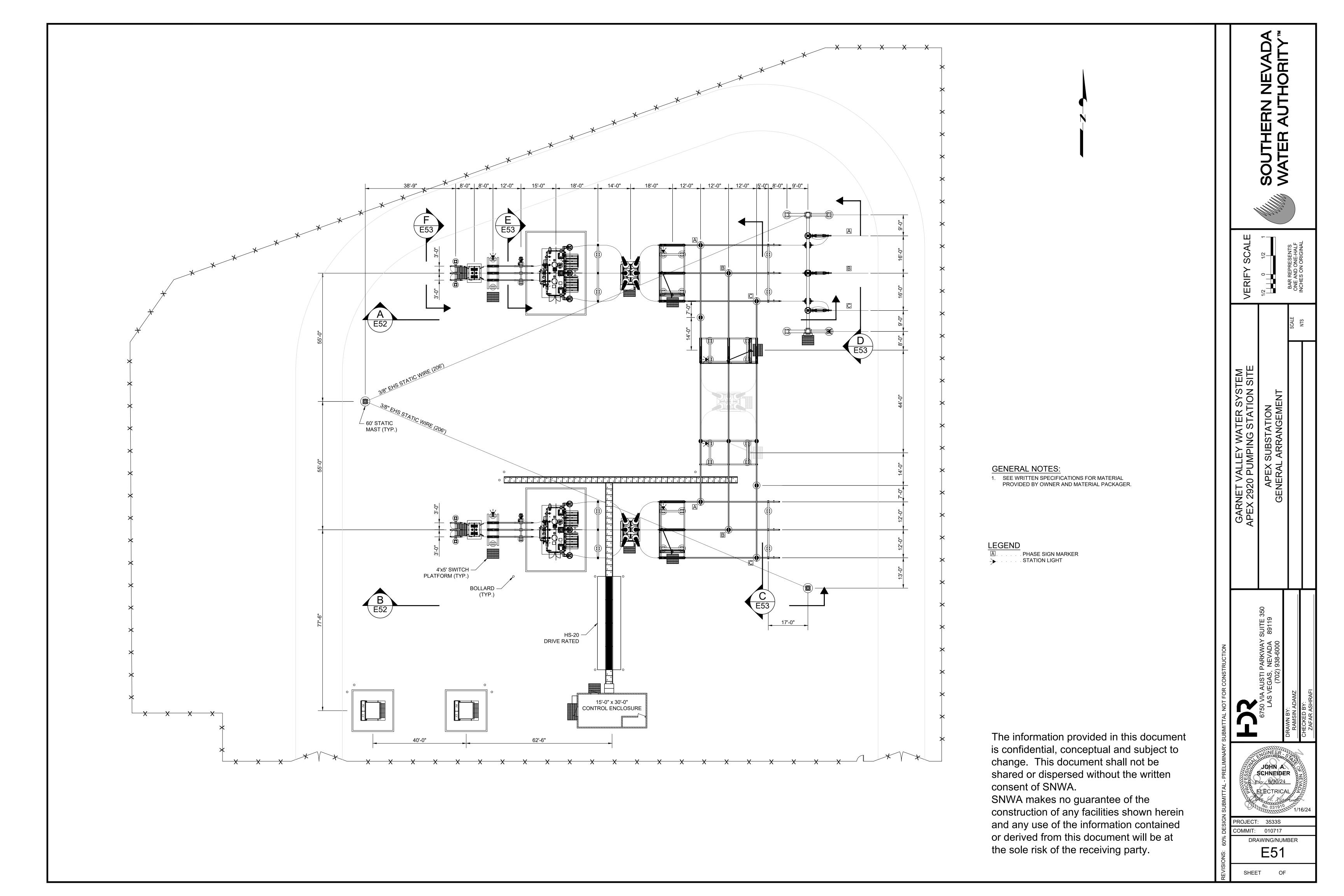
GARNET VALLEY WATER SYSTEM APEX 2920 PUMPING STATION SITE

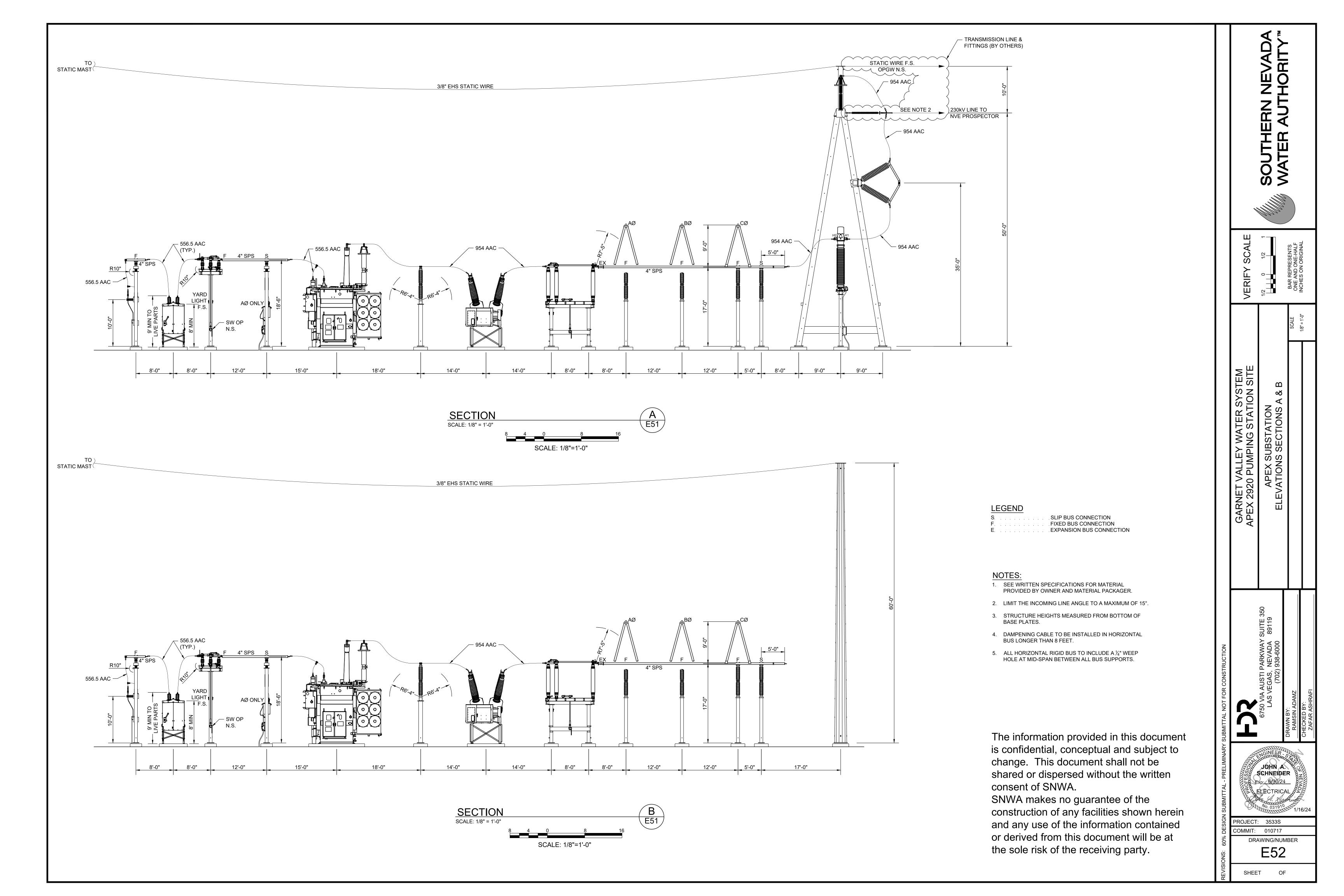
JOHN A. SCHNEIDER

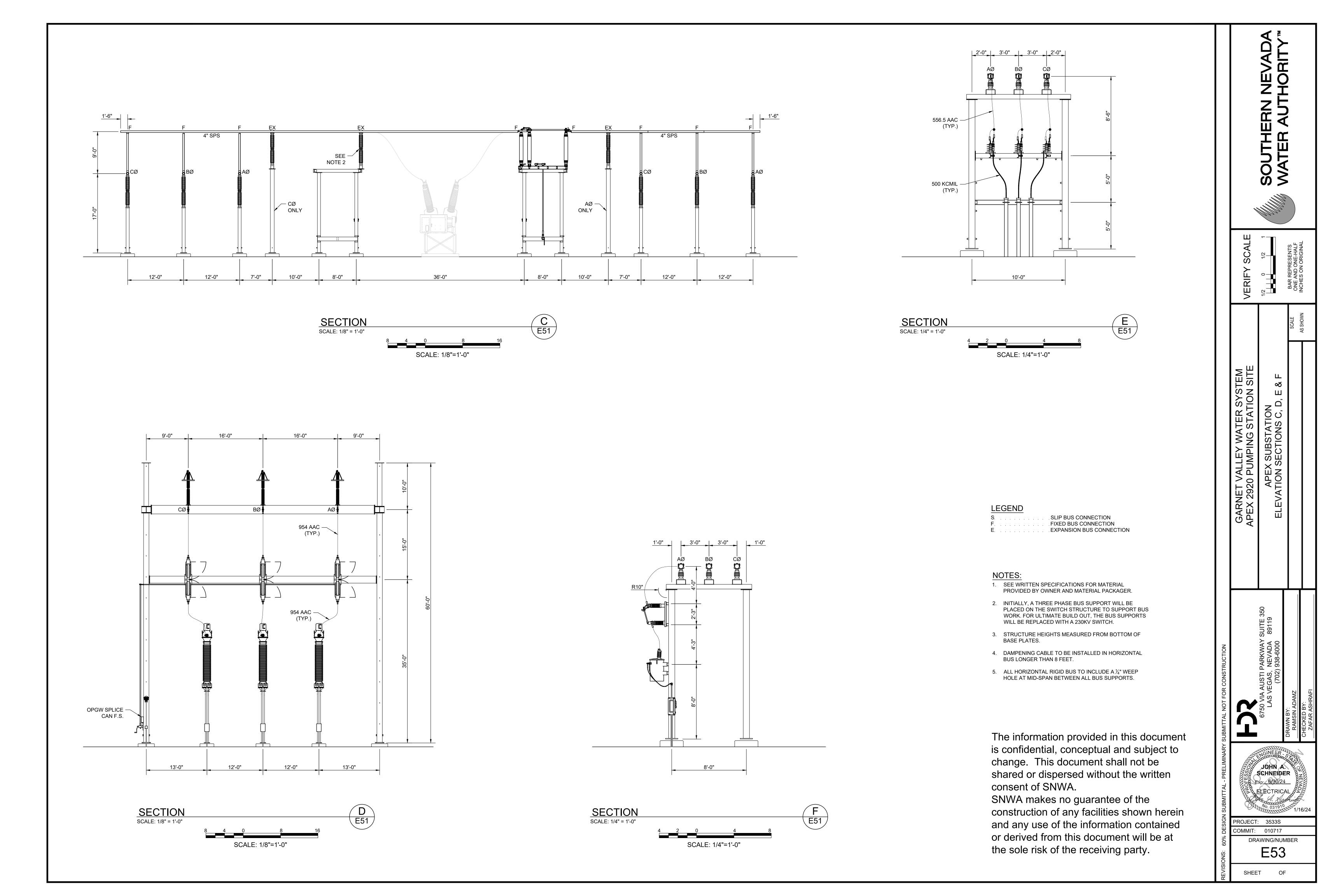
PROJECT: 3533S COMMIT: 010717

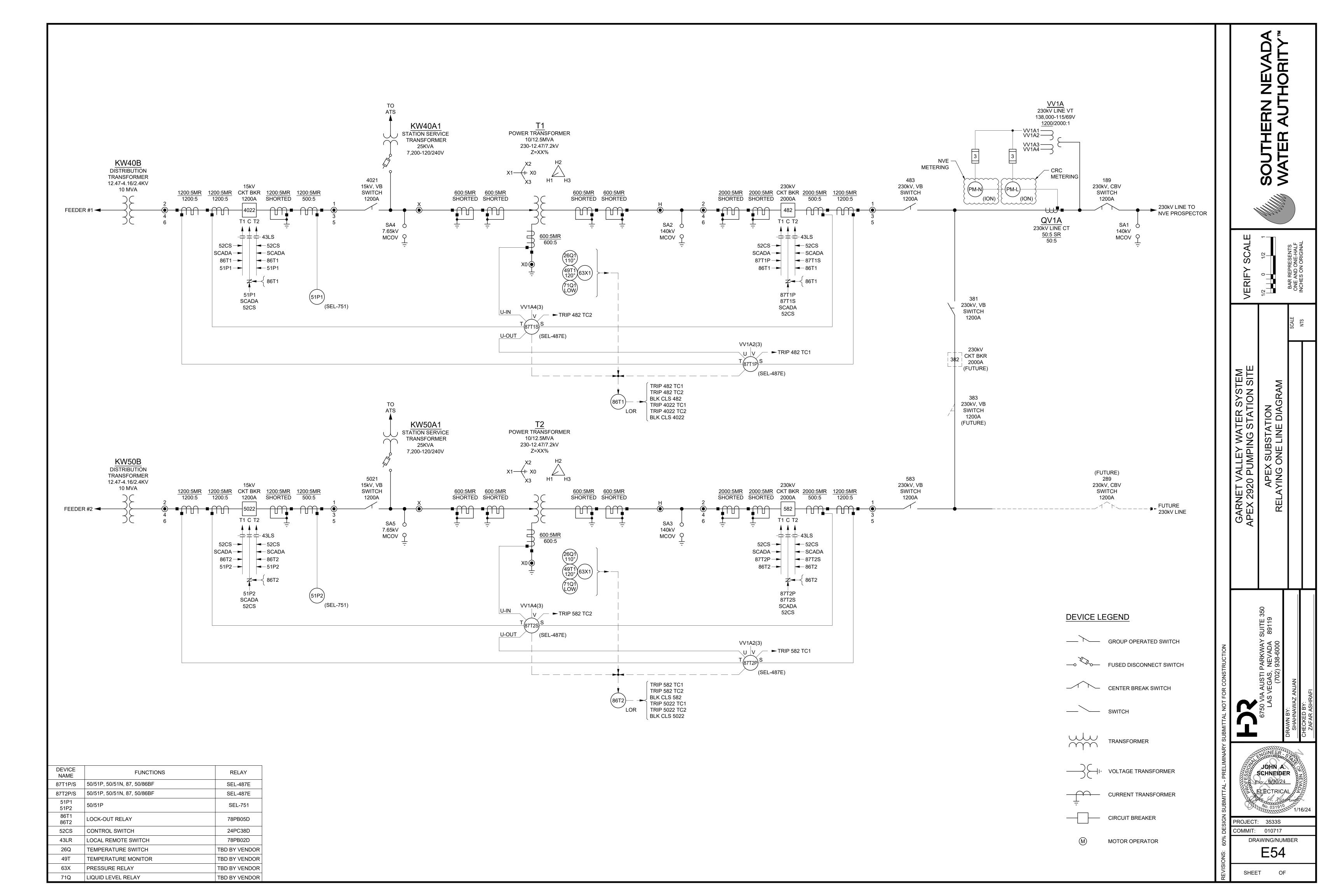
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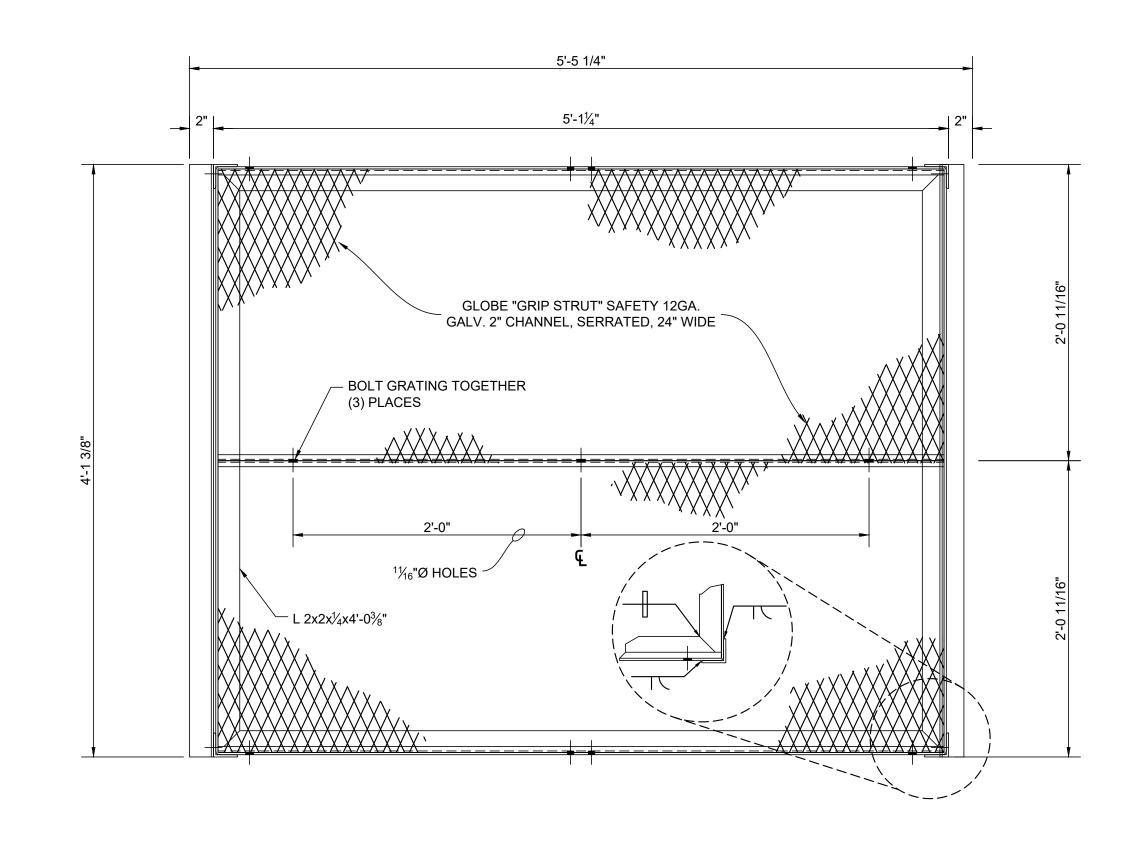
SHEET OF











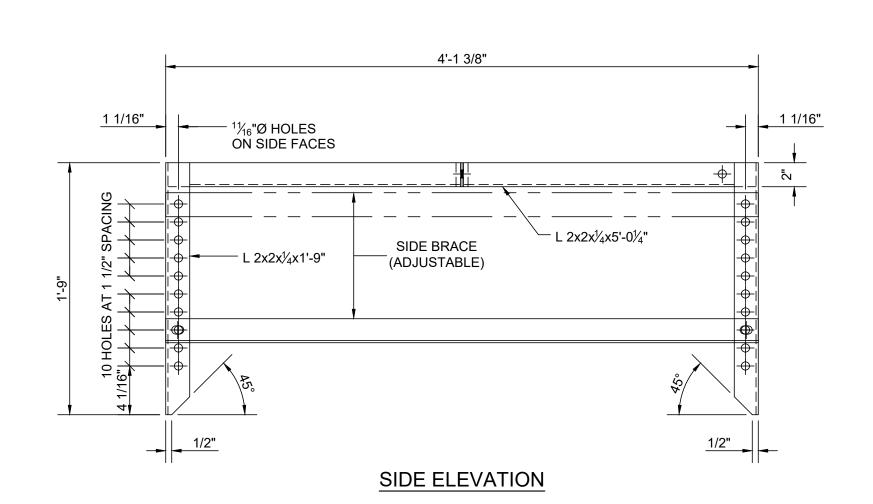
<u>PLAN</u>

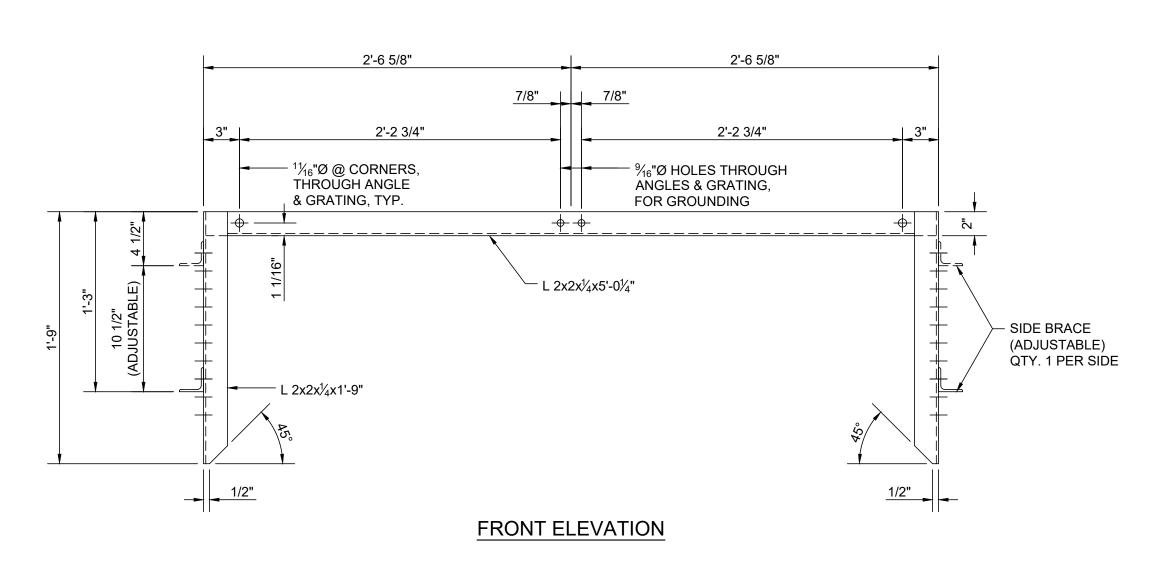


<sup>−</sup> L 2x2x¼x4'-1¾"

4'-1 3/8"

1" - 11/16" x 1" SLOT @ ENDS





PCB PLATFORM - SP1
SCALE: 1-1/2"=1'-0"

## STRUCTURE NOTES:

- 1. ALL STRUCTURE MOUNTING HOLES ARE  $^{1}\!/_{\!16}$  OR  $^{9}\!/_{\!16}$  UNLESS OTHERWISE NOTED.
- 2. EACH BOLT ASSEMBLY SHALL INCLUDE A TYPE "MF" LOCKOUT.
- 3. STEEL PACKAGER SHALL PROVIDE ALL FASTENERS NEEDED TO ASSEMBLE EACH STRUCTURE AND A 5% OVERAGE.
- 4. STRUCTURES AND ATTACHMENTS WILL BE DESIGNED TO BE AS SYMMETRICAL AND SQUARE AS REASONABLE.
- 5. SEE E51 AND EXX FOR PLATFORM LOCATIONS AND QUANTITIES.

