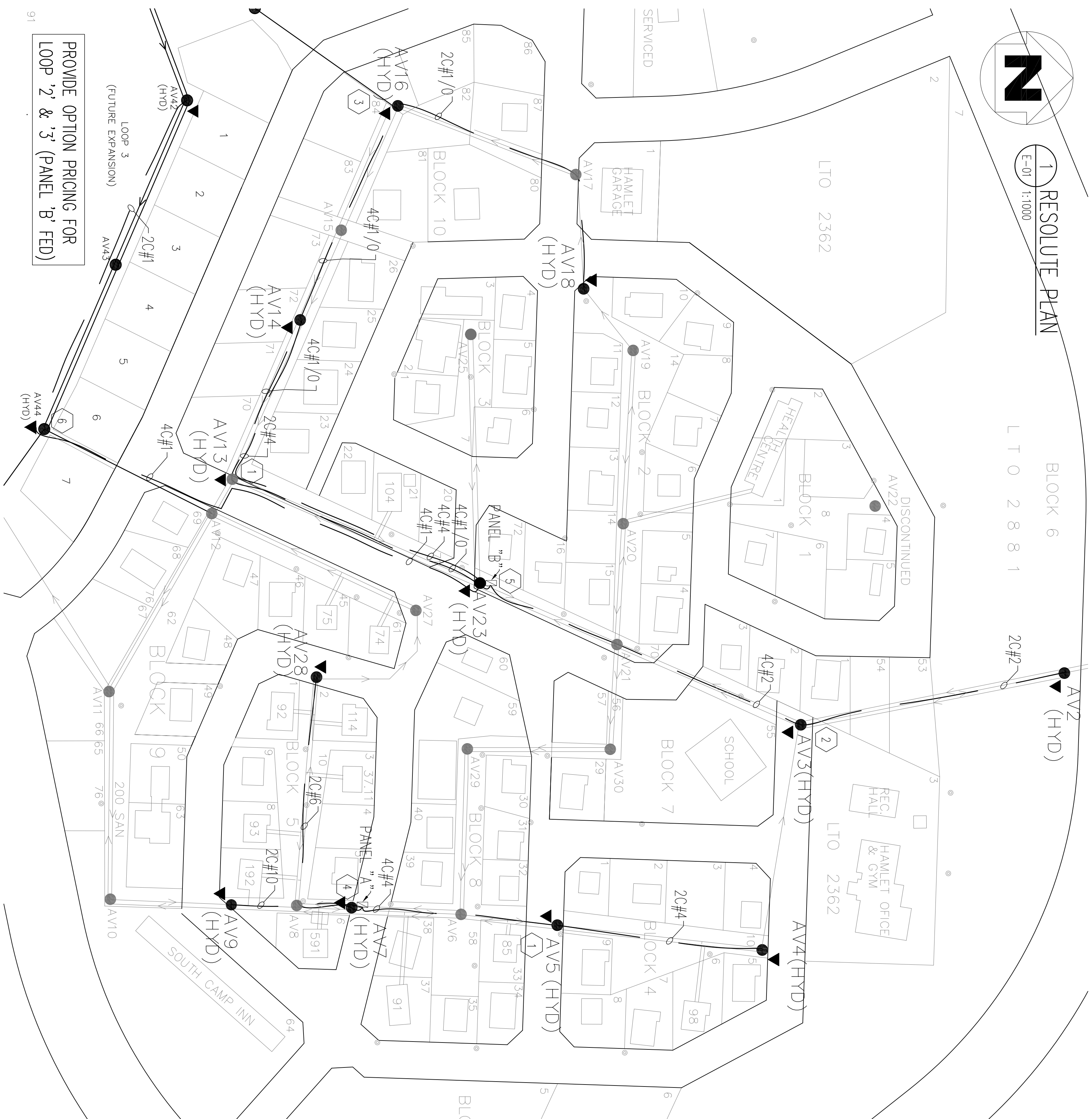


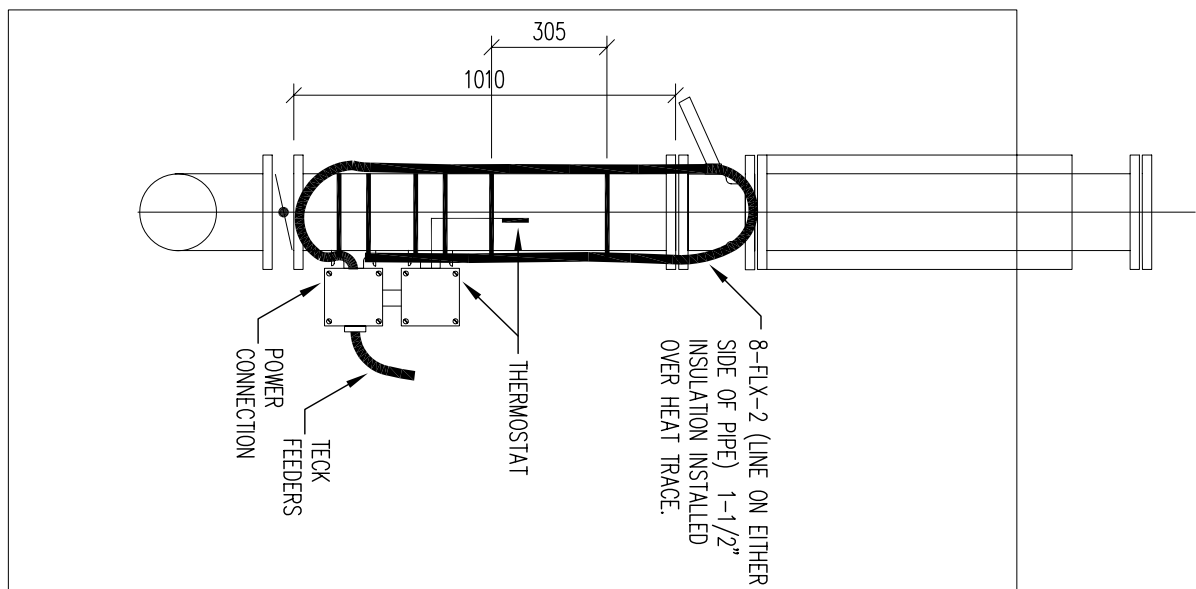
1 RESOLUTE PLAN  
E-01 1:1000

BLOCK 6  
L T O 2 8 8 1

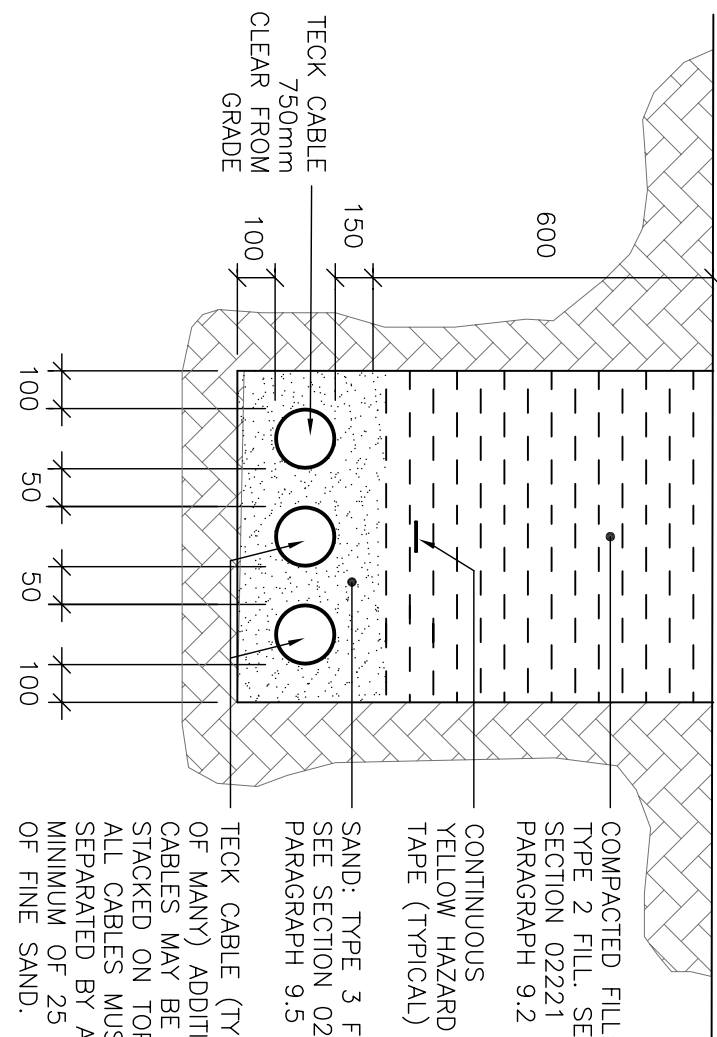


| PANEL SCHEDULE   |                    |         |              |             |     |           |                     |                   |                 |
|------------------|--------------------|---------|--------------|-------------|-----|-----------|---------------------|-------------------|-----------------|
| PANEL 'A'        | LOCATION           | VOLTAGE | PHASE        | WIRE        | BUS | MAIN BRK. | INT. CAP. (SYM RMS) | CIRCUITS/MOUNTING | FEEDER          |
| L1 L2 L3         | POLE MOUNTED (AV1) | 120/208 | 3            | 4           | 100 | 100A      | 100A                | 24                | SURFACE 4#2-35C |
| LOADS            |                    |         |              |             |     |           |                     |                   |                 |
| DESCRIPTION      | POLE AMP/CCT       | NO.     | CCT AMP/POLE | DESCRIPTION | L1  | L2        | L3                  |                   |                 |
| AV1 HEAT TRACE   | 2*                 | 1       | SPARE        |             | -   | -         | -                   |                   |                 |
| AV2 HEAT TRACE   | 2*                 | 2       | SPARE        |             | -   | -         | -                   |                   |                 |
| AV3 HEAT TRACE   | 2*                 | 3       | SPARE        |             | -   | -         | -                   |                   |                 |
| AV4 HEAT TRACE   | 2*                 | 4       | SPARE        |             | -   | -         | -                   |                   |                 |
| AV5 HEAT TRACE   | 2*                 | 5       | SPARE        |             | -   | -         | -                   |                   |                 |
| AV6 HEAT TRACE   | 2*                 | 6       | SPARE        |             | -   | -         | -                   |                   |                 |
| AV7 HEAT TRACE   | 2*                 | 7       | SPARE        |             | -   | -         | -                   |                   |                 |
| AV8 HEAT TRACE   | 2*                 | 8       | SPARE        |             | -   | -         | -                   |                   |                 |
| AV9 HEAT TRACE   | 2*                 | 9       | SPARE        |             | -   | -         | -                   |                   |                 |
| AV10 HEAT TRACE  | 2*                 | 10      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV11 HEAT TRACE  | 2*                 | 11      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV12 HEAT TRACE  | 2*                 | 12      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV13 HEAT TRACE  | 2*                 | 13      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV14 HEAT TRACE  | 2*                 | 14      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV15 HEAT TRACE  | 2*                 | 15      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV16 HEAT TRACE  | 2*                 | 16      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV17 HEAT TRACE  | 2*                 | 17      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV18 HEAT TRACE  | 2*                 | 18      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV19 HEAT TRACE  | 2*                 | 19      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV20 HEAT TRACE  | 2*                 | 20      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV21 HEAT TRACE  | 2*                 | 21      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV22 HEAT TRACE  | 2*                 | 22      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV23 HEAT TRACE  | 2*                 | 23      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV24 HEAT TRACE  | 2*                 | 24      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV25 HEAT TRACE  | 2*                 | 25      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV26 HEAT TRACE  | 2*                 | 26      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV27 HEAT TRACE  | 2*                 | 27      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV28 HEAT TRACE  | 2*                 | 28      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV29 HEAT TRACE  | 2*                 | 29      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV30 HEAT TRACE  | 2*                 | 30      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV31 HEAT TRACE  | 2*                 | 31      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV32 HEAT TRACE  | 2*                 | 32      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV33 HEAT TRACE  | 2*                 | 33      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV34 HEAT TRACE  | 2*                 | 34      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV35 HEAT TRACE  | 2*                 | 35      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV36 HEAT TRACE  | 2*                 | 36      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV37 HEAT TRACE  | 2*                 | 37      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV38 HEAT TRACE  | 2*                 | 38      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV39 HEAT TRACE  | 2*                 | 39      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV40 HEAT TRACE  | 2*                 | 40      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV41 HEAT TRACE  | 2*                 | 41      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV42 HEAT TRACE  | 2*                 | 42      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV43 HEAT TRACE  | 2*                 | 43      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV44 HEAT TRACE  | 2*                 | 44      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV45 HEAT TRACE  | 2*                 | 45      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV46 HEAT TRACE  | 2*                 | 46      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV47 HEAT TRACE  | 2*                 | 47      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV48 HEAT TRACE  | 2*                 | 48      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV49 HEAT TRACE  | 2*                 | 49      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV50 HEAT TRACE  | 2*                 | 50      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV51 HEAT TRACE  | 2*                 | 51      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV52 HEAT TRACE  | 2*                 | 52      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV53 HEAT TRACE  | 2*                 | 53      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV54 HEAT TRACE  | 2*                 | 54      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV55 HEAT TRACE  | 2*                 | 55      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV56 HEAT TRACE  | 2*                 | 56      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV57 HEAT TRACE  | 2*                 | 57      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV58 HEAT TRACE  | 2*                 | 58      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV59 HEAT TRACE  | 2*                 | 59      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV60 HEAT TRACE  | 2*                 | 60      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV61 HEAT TRACE  | 2*                 | 61      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV62 HEAT TRACE  | 2*                 | 62      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV63 HEAT TRACE  | 2*                 | 63      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV64 HEAT TRACE  | 2*                 | 64      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV65 HEAT TRACE  | 2*                 | 65      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV66 HEAT TRACE  | 2*                 | 66      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV67 HEAT TRACE  | 2*                 | 67      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV68 HEAT TRACE  | 2*                 | 68      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV69 HEAT TRACE  | 2*                 | 69      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV70 HEAT TRACE  | 2*                 | 70      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV71 HEAT TRACE  | 2*                 | 71      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV72 HEAT TRACE  | 2*                 | 72      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV73 HEAT TRACE  | 2*                 | 73      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV74 HEAT TRACE  | 2*                 | 74      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV75 HEAT TRACE  | 2*                 | 75      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV76 HEAT TRACE  | 2*                 | 76      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV77 HEAT TRACE  | 2*                 | 77      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV78 HEAT TRACE  | 2*                 | 78      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV79 HEAT TRACE  | 2*                 | 79      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV80 HEAT TRACE  | 2*                 | 80      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV81 HEAT TRACE  | 2*                 | 81      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV82 HEAT TRACE  | 2*                 | 82      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV83 HEAT TRACE  | 2*                 | 83      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV84 HEAT TRACE  | 2*                 | 84      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV85 HEAT TRACE  | 2*                 | 85      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV86 HEAT TRACE  | 2*                 | 86      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV87 HEAT TRACE  | 2*                 | 87      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV88 HEAT TRACE  | 2*                 | 88      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV89 HEAT TRACE  | 2*                 | 89      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV90 HEAT TRACE  | 2*                 | 90      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV91 HEAT TRACE  | 2*                 | 91      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV92 HEAT TRACE  | 2*                 | 92      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV93 HEAT TRACE  | 2*                 | 93      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV94 HEAT TRACE  | 2*                 | 94      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV95 HEAT TRACE  | 2*                 | 95      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV96 HEAT TRACE  | 2*                 | 96      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV97 HEAT TRACE  | 2*                 | 97      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV98 HEAT TRACE  | 2*                 | 98      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV99 HEAT TRACE  | 2*                 | 99      | SPARE        |             | -   | -         | -                   |                   |                 |
| AV100 HEAT TRACE | 2*                 | 100     | SPARE        |             | -   | -         | -                   |                   |                 |

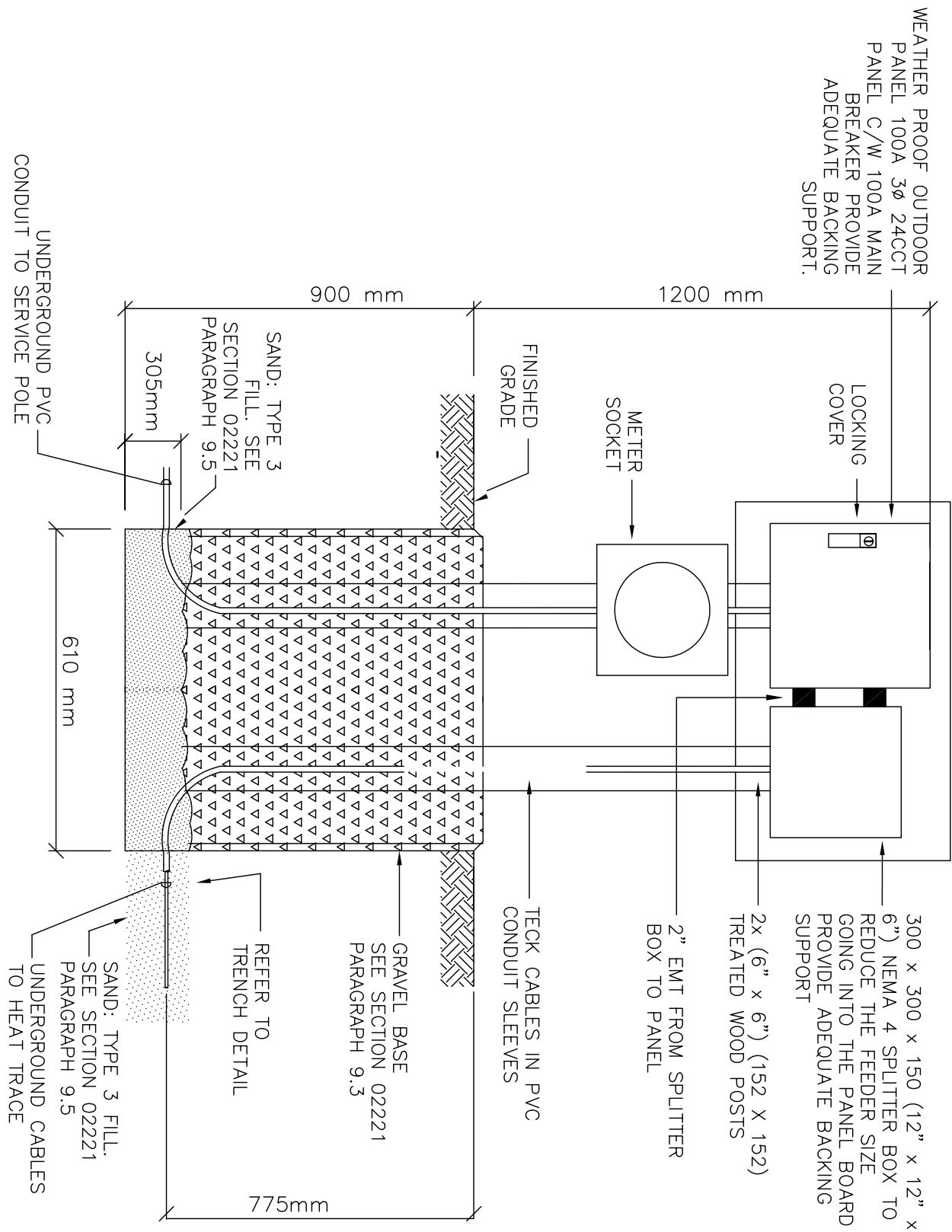
TOTAL PEAK LOAD 9800 W AT 208 V, AMPERES 26.6 A. DEMAND FACTOR OF 0.8 APPLIED RESULTS IN A MIN. SERVICE AMPLACITY OF 33.3 A.



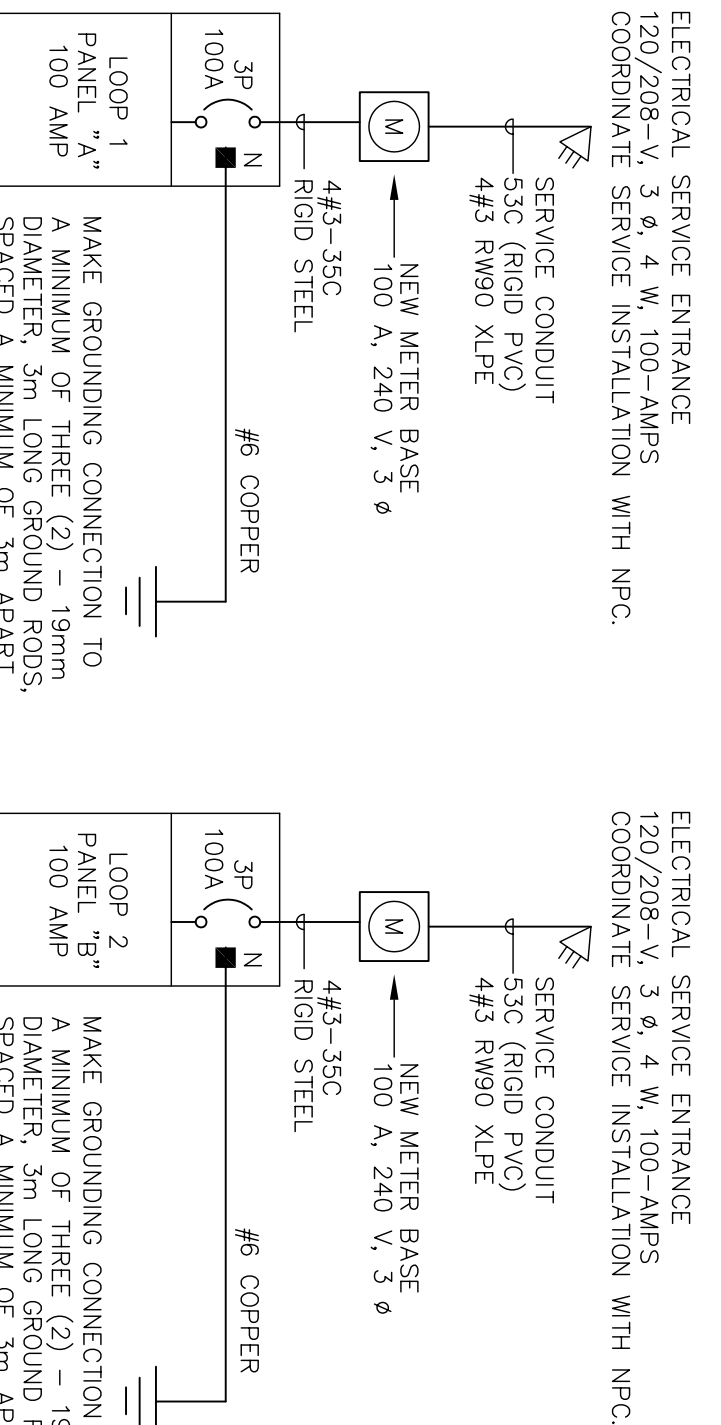
2 HYDRANT HEAT TRACE DETAIL  
E-01 1:20



3 TRENCH DETAIL  
E-01 N.T.S.



4 SERVICE PEDESTAL DETAIL  
E-01 N.T.S.



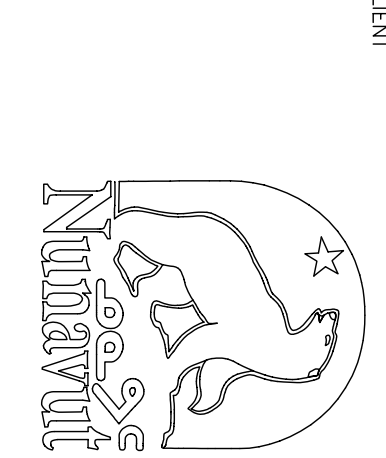
5 SINGLE LINE DIAGRAM  
E-01 N.T.S.

**A. D. Williams**  
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CONSULTING ENGINEERS

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adam@adwilliams.com

MULTIDISCIPLINED CONSULTING ENGINEERING SERVICES  
ADWE JOB NO.: 17731.10



- NOTES
1. TRANSITION BOX FROM 4#4 TO 2#4
  2. TRANSITION BOX FROM 4#4 TO 2#4
  3. TRANSITION BOX FROM 4#4 TO 2#4
  4. TRANSITION BOX FROM 4#4 TO 2#4
  5. TRANSITION BOX FROM 4#4 TO 2#4
  6. TRANSITION BOX FROM 4#4 TO 2#4

**PLAN REVIEW INFO**

1. NAME AND MAILING ADDRESS OF OWNER: \_\_\_\_\_

2. LOCATION OF BUILDING, EITHER THE STREET ADDRESS OR THE LEGAL ADDRESS: \_\_\_\_\_

3. NAME AND MAILING ADDRESS THE PLAN REVIEW FEES ARE TO BE INVOICED TO: \_\_\_\_\_

CONTRACTOR TO ENSURE ALL OF ABOVE IS FILLED OUT IN FULL BEFORE SUBMITTAL TO ON C&GS SAFETY FOR PLAN REVIEW

**DO NOT SCALE FROM DRAWINGS**

SCALE: \_\_\_\_\_

REVISION: \_\_\_\_\_

THE ASSOCIATION OF PROFESSIONAL ENGINEERS AND GEOSCIENTISTS OF THE PROVINCE OF ALBERTA

REGISTERED PROFESSIONAL ENGINEER

AD WILLIAMS

ENGINEERING INC.

| NO. | REVISION                | DATE     | APPROVED |
|-----|-------------------------|----------|----------|
| 1   | ISSUED FOR CONSTRUCTION | 05/08/17 |          |
| 2   | ISSUED FOR TENDER       | 05/06/01 |          |

**RESOLUTE BAY UTILDOOR WORK**

**RESOLUTE BAY, NU**

**ELECTRICAL DISTRIBUTION AND HEAT TRACE INSTALLATION**

DESIGNED BY: \_\_\_\_\_

WTF/RSF: \_\_\_\_\_

DATE: \_\_\_\_\_

AS SHOWN

WTF: \_\_\_\_\_

DATE: \_\_\_\_\_

AS SHOWN

ORDERED BY: \_\_\_\_\_

PROJECT NUMBER: \_\_\_\_\_

17731.10

**E-01**

**1**