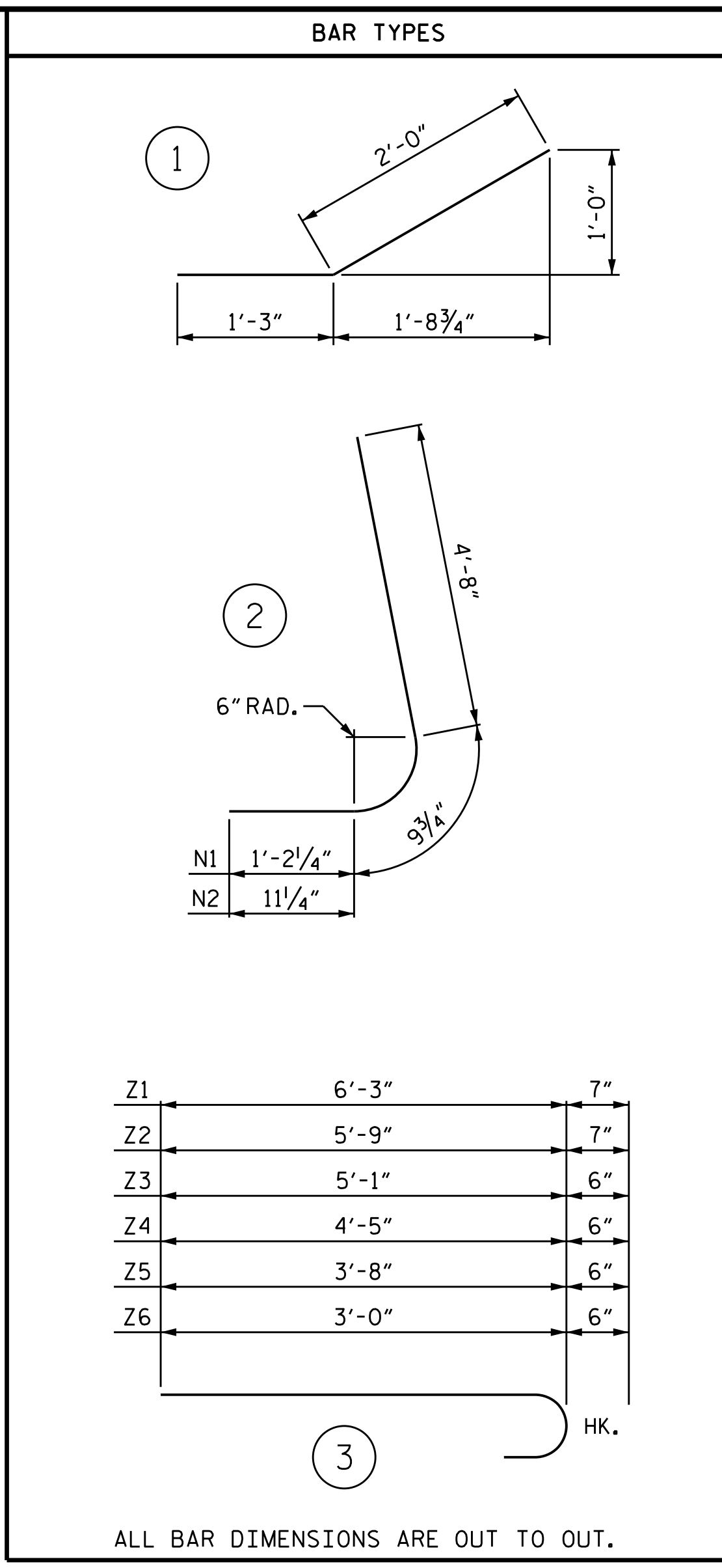


PLAN W4



| BILL OF MATERIAL | | | | | |
|------------------|-----|------|------|---------|--------|
| BAR | NO. | SIZE | TYPE | LENGTH | WEIGHT |
| H1 | 20 | #4 | STR | 24'-1" | 322 |
| H2 | 2 | #4 | STR | 20'-7" | 27 |
| H3 | 2 | #4 | STR | 9'-0" | 12 |
| H4 | 5 | #4 | STR | 24'-3" | 81 |
| H5 | 20 | #4 | 1 | 3'-3" | 43 |
| N1 | 12 | #6 | 2 | 6'-8" | 120 |
| N2 | 15 | #6 | 2 | 6'-5" | 145 |
| S1 | 3 | #6 | STR | 6'-0" | 27 |
| T1 | 4 | #5 | STR | 25'-10" | 108 |
| V1 | 2 | #4 | STR | 9'-6" | 13 |
| V2 | 5 | #4 | STR | 9'-10" | 33 |
| V3 | 5 | #5 | STR | 10'-3" | 53 |
| V4 | 5 | #5 | STR | 10'-9" | 56 |
| V5 | 5 | #6 | STR | 11'-3" | 84 |
| V6 | 5 | #6 | STR | 11'-8" | 88 |
| V7 | 2 | #4 | STR | 8'-0" | 11 |
| V8 | 5 | #4 | STR | 8'-1" | 27 |
| V9 | 5 | #5 | STR | 8'-6" | 44 |
| V10 | 5 | #5 | STR | 9'-0" | 47 |
| V11 | 5 | #6 | STR | 9'-5" | 71 |
| V12 | 5 | #6 | STR | 9'-10" | 74 |
| Z1 | 3 | #5 | 3 | 6'-10" | 21 |
| Z2 | 4 | #5 | 3 | 6'-4" | 26 |
| Z3 | 5 | #4 | 3 | 5'-7" | 19 |
| Z4 | 5 | #4 | 3 | 4'-11" | 16 |
| Z5 | 5 | #4 | 3 | 4'-2" | 14 |
| Z6 | 5 | #4 | 3 | 3'-6" | 12 |

REINFORCING STEEL FOR 1 WING 1594 LBS

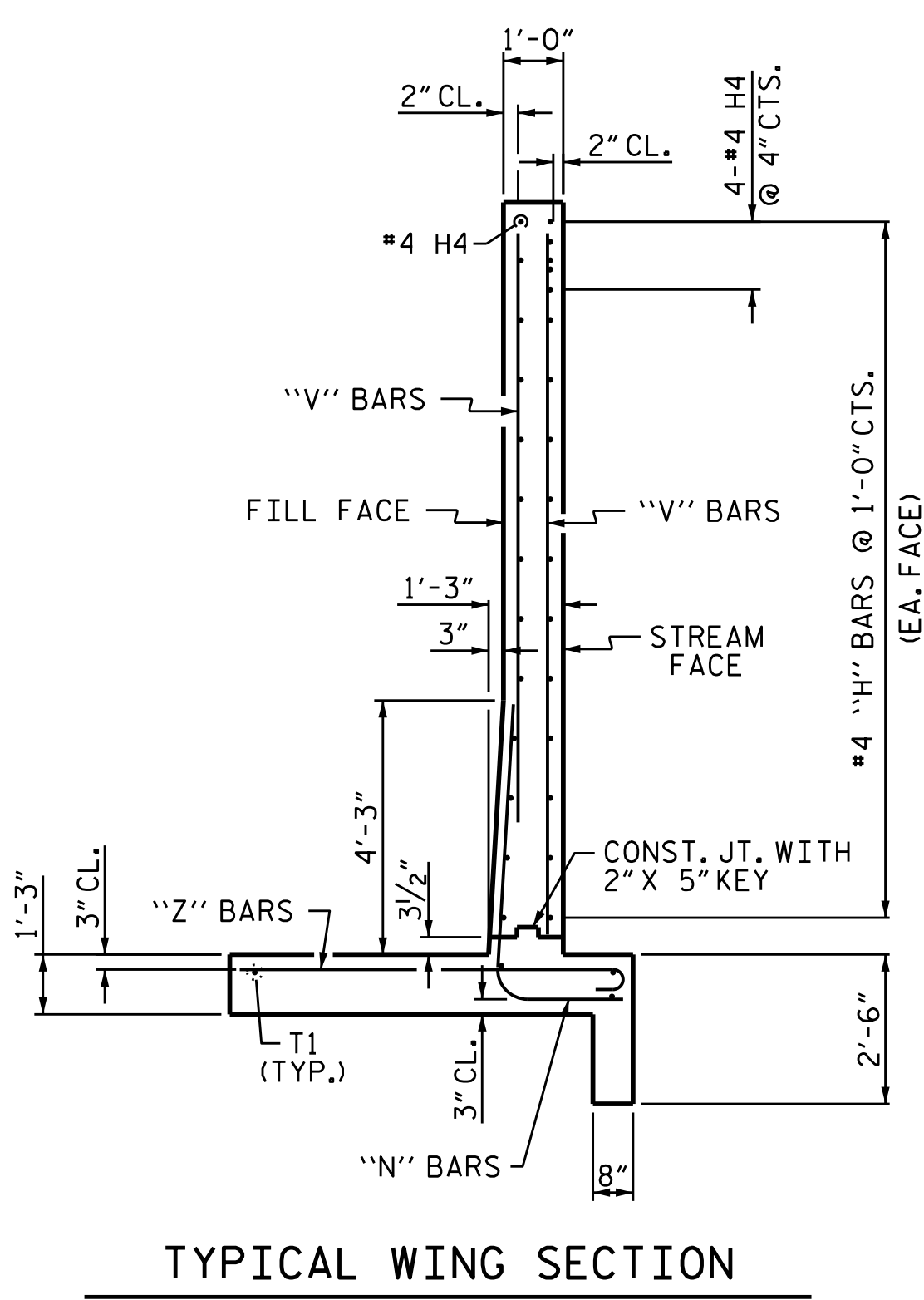
CLASS A CONCRETE 1 WING TOTAL 18.1 CY

ALL BAR DIMENSIONS ARE OUT TO OUT.

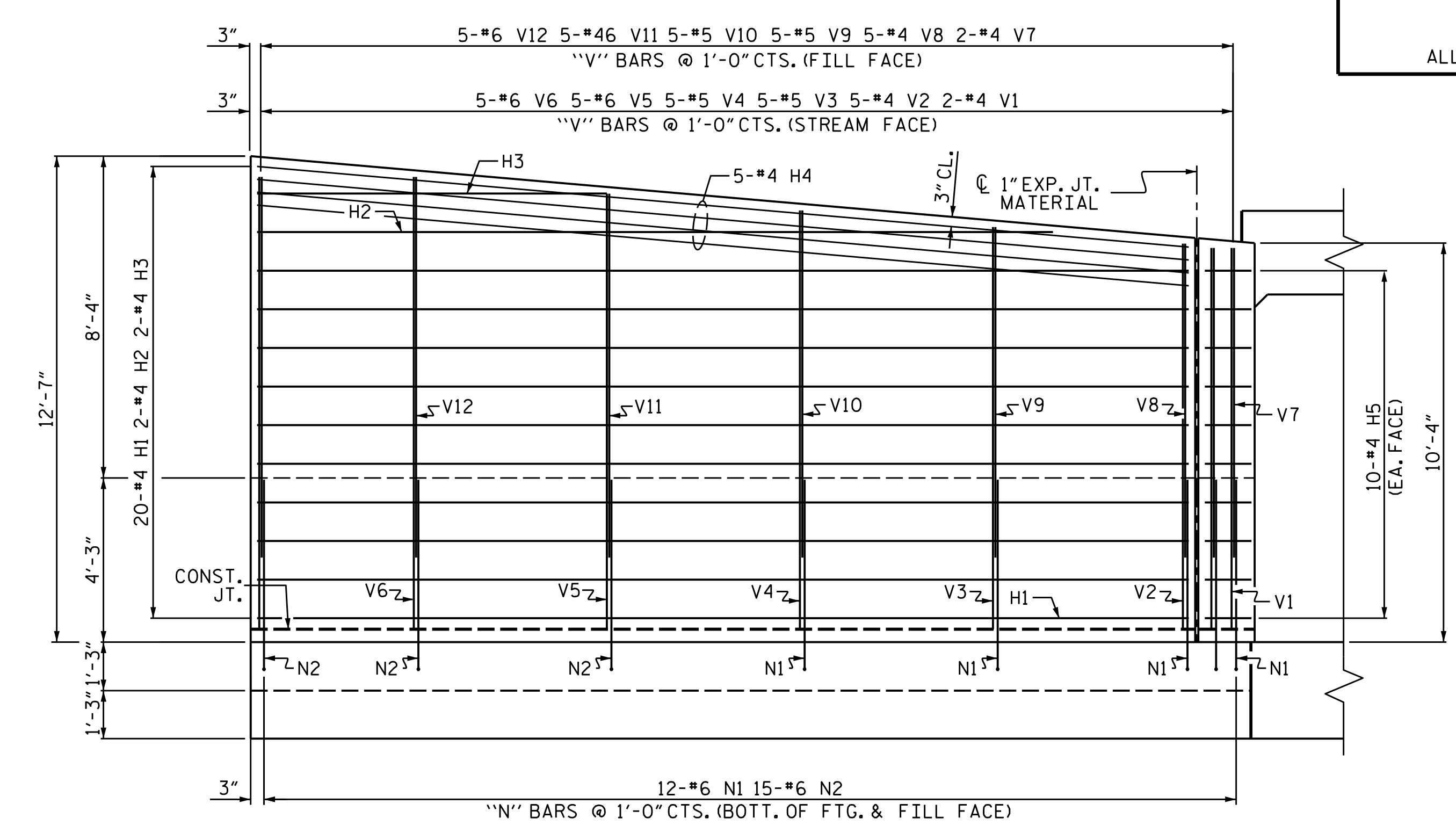
NOTES

A 3 FOOT STRIP OF FILTER FABRIC SHALL BE ATTACHED TO THE FILL FACE OF THE WING COVERING THE ENTIRE LENGTH OF THE EXPANSION JOINT.

G1 BARS IN HEADWALL ARE INCLUDED WITH THE BARREL REINFORCING STEEL.



TYPICAL WING SECTION



ELEVATION W4

PROJECT NO. A-0009CA
GRAHAM COUNTY
 STATION: 46+41.00 -L-
 SHEET 14 OF 14

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

WING W4 FOR
 TRIPLE 12 FT. X 9 FT.
 CONCRETE BOX CULVERT
 RIGHT EXTENSION

6/1/2022

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
 706 HILLSBOROUGH STREET
 SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

| REVISIONS | | | | | | SHEET NO. |
|-----------|-----|-------|-----|-----|-------|--------------|
| NO. | BY: | DATE: | NO. | BY: | DATE: | C2-14 |
| 1 | | | 3 | | | TOTAL SHEETS |
| 2 | | | 4 | | | 14 |

DRAWN BY : STM DATE : 12/21
 CHECKED BY : MGC DATE : 02/22
 DESIGN ENGINEER OF RECORD: STM DATE : 12/21