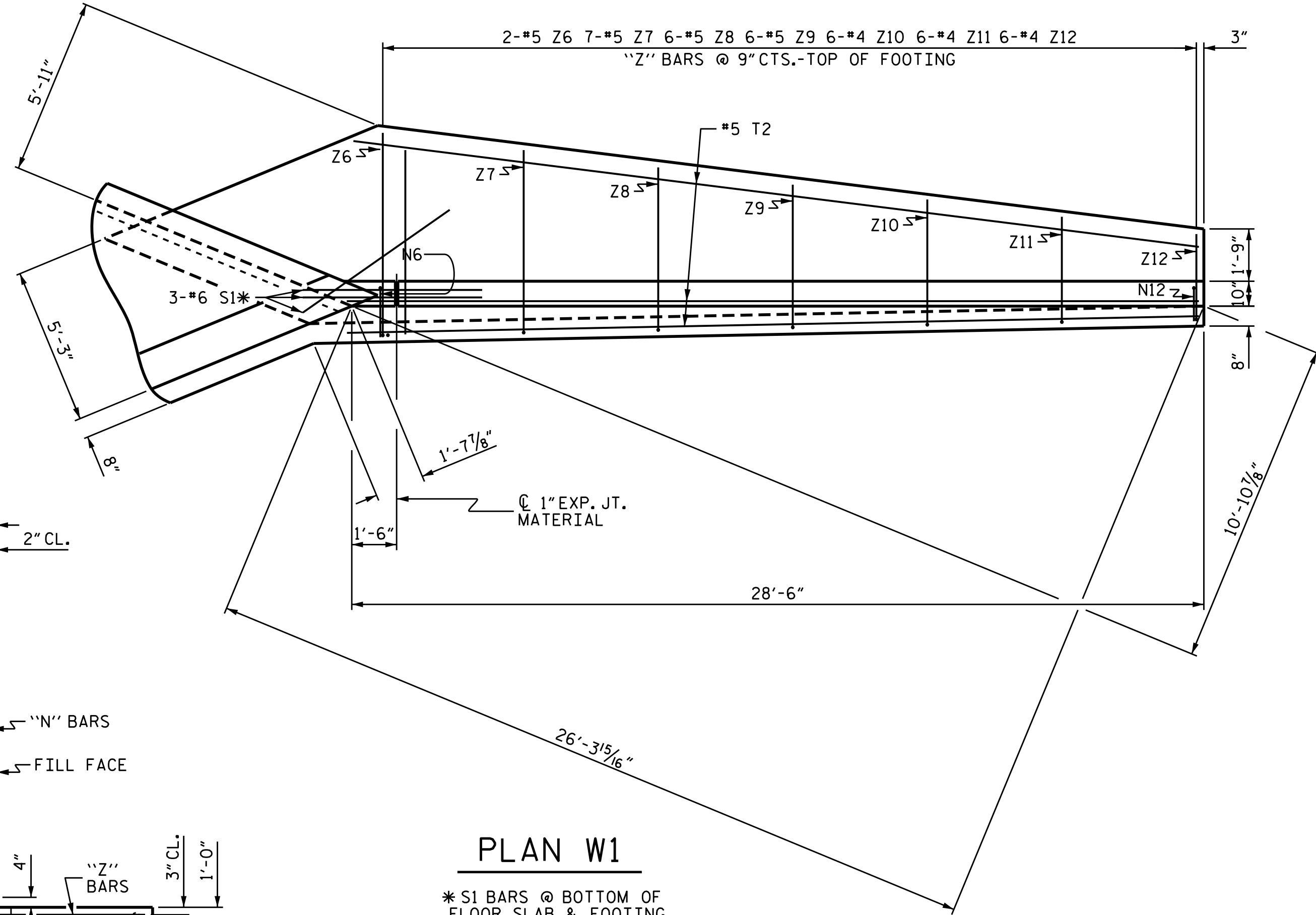


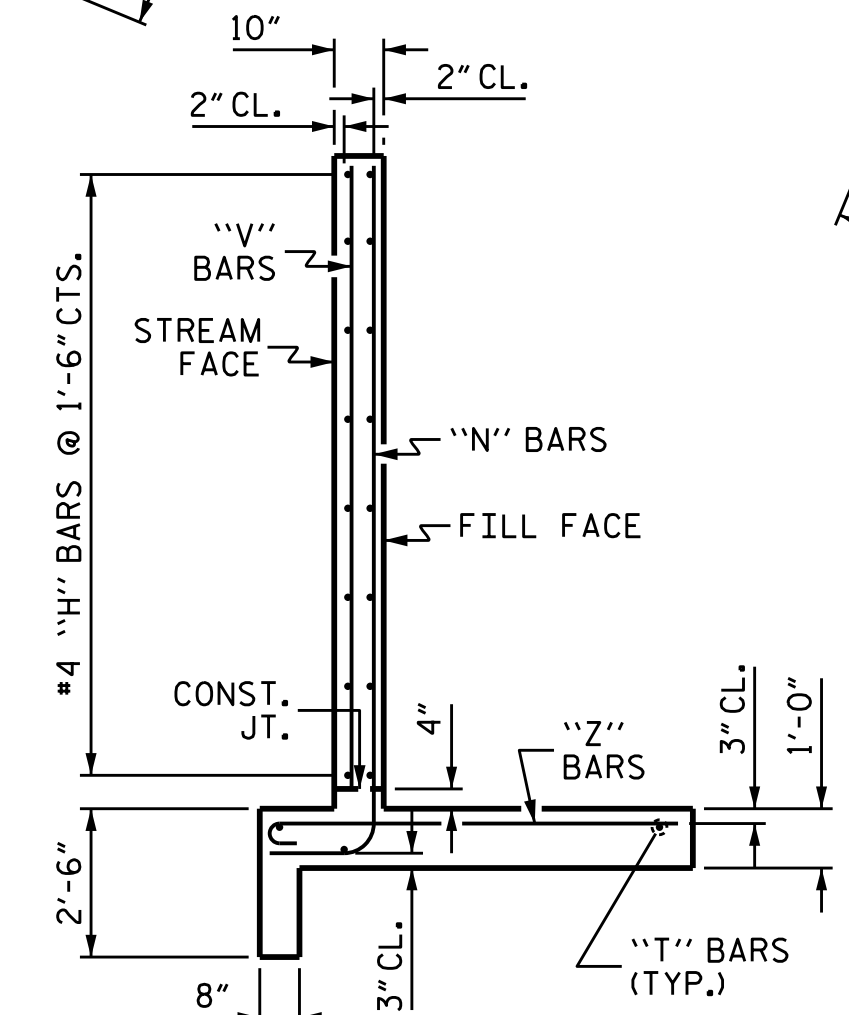
PLAN W2

\* S1 BARS @ BOTTOM OF FLOOR SLAB & FOOTING

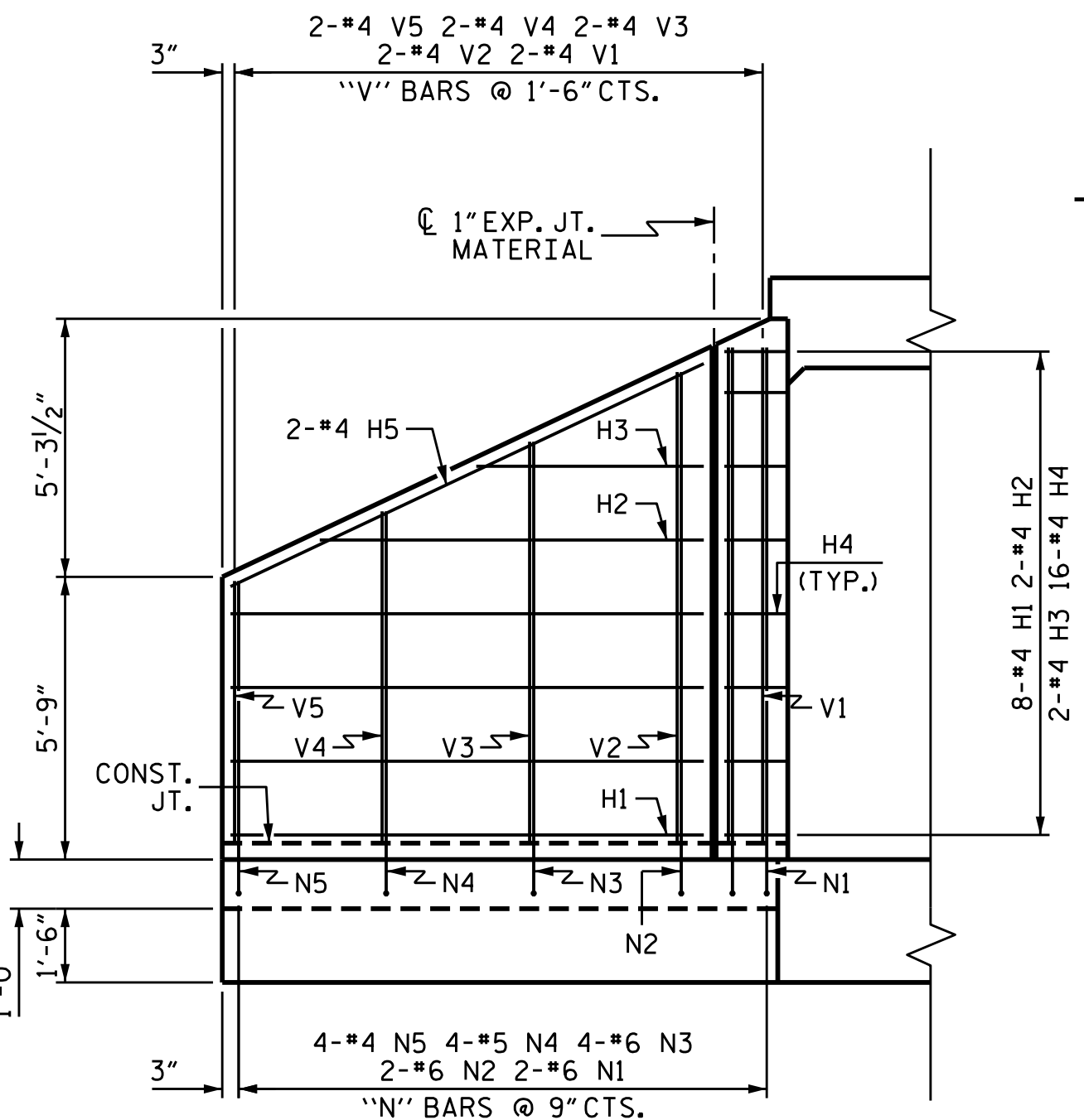


PLAN W1

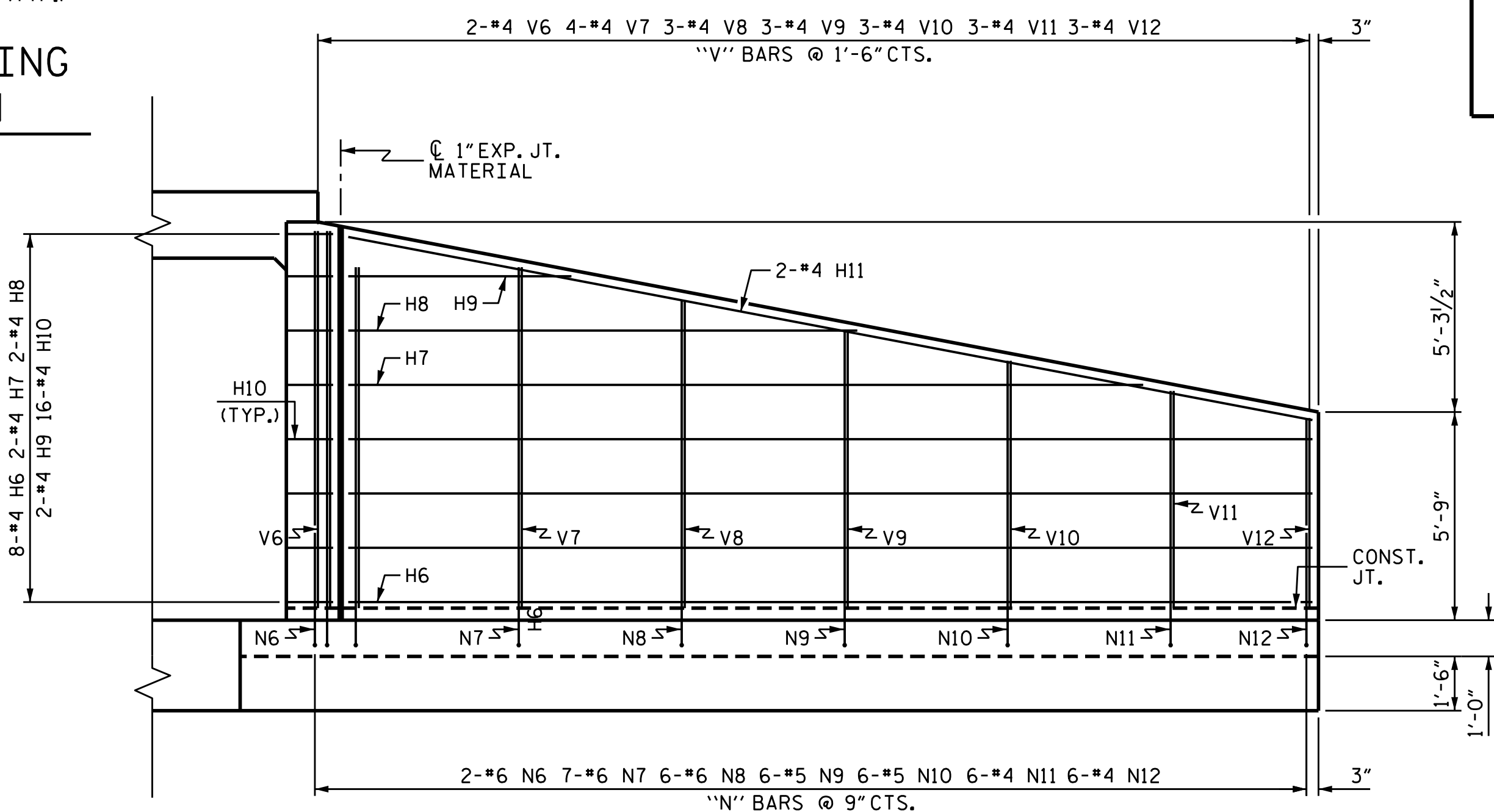
\* S1 BARS @ BOTTOM OF FLOOR SLAB & FOOTING



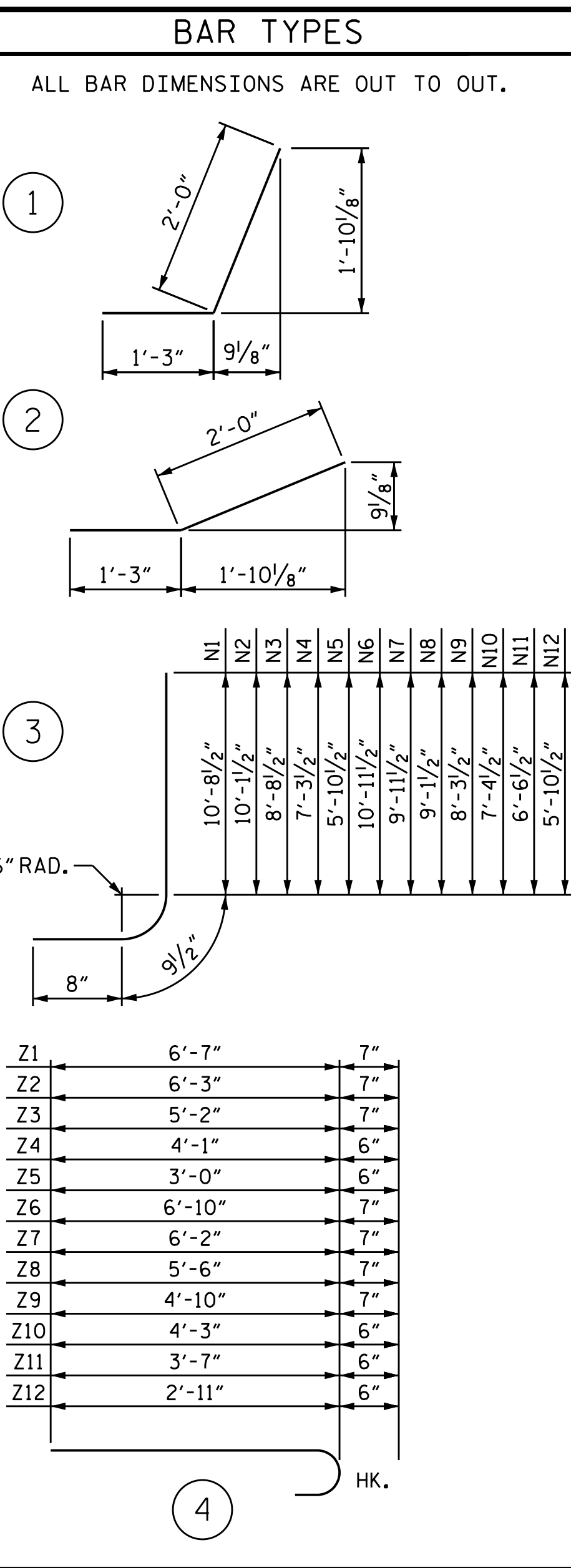
TYPICAL WING SECTION



ELEVATION W2



ELEVATION W1



| BILL OF MATERIAL STAGE I |     |      |      |         |        |
|--------------------------|-----|------|------|---------|--------|
| BAR                      | NO. | SIZE | TYPE | LENGTH  | WEIGHT |
| H1                       | 8   | #4   | STR  | 9'-7"   | 51     |
| H2                       | 2   | #4   | STR  | 7'-9"   | 10     |
| H3                       | 2   | #4   | STR  | 4'-7"   | 6      |
| H4                       | 16  | #4   | 1    | 3'-3"   | 35     |
| H5                       | 2   | #4   | STR  | 10'-7"  | 14     |
| H6                       | 8   | #4   | STR  | 26'-7"  | 142    |
| H7                       | 2   | #4   | STR  | 21'-11" | 29     |
| H8                       | 2   | #4   | STR  | 14'-0"  | 19     |
| H9                       | 2   | #4   | STR  | 6'-2"   | 8      |
| H10                      | 16  | #4   | 2    | 3'-3"   | 35     |
| H11                      | 2   | #4   | STR  | 27'-11" | 37     |
| N1                       | 2   | #6   | 3    | 12'-2"  | 37     |
| N2                       | 2   | #6   | 3    | 11'-7"  | 35     |
| N3                       | 4   | #6   | 3    | 10'-2"  | 61     |
| N4                       | 4   | #5   | 3    | 8'-9"   | 37     |
| N5                       | 4   | #4   | 3    | 7'-4"   | 20     |
| N6                       | 2   | #6   | 3    | 12'-5"  | 37     |
| N7                       | 7   | #6   | 3    | 11'-5"  | 120    |
| N8                       | 6   | #6   | 3    | 10'-7"  | 95     |
| N9                       | 6   | #5   | 3    | 9'-9"   | 61     |
| N10                      | 6   | #5   | 3    | 8'-10"  | 55     |
| N11                      | 6   | #4   | 3    | 8'-0"   | 32     |
| N12                      | 6   | #4   | 3    | 7'-4"   | 29     |
| S1                       | 6   | #6   | STR  | 6'-0"   | 54     |
| T1                       | 3   | #5   | STR  | 11'-6"  | 36     |
| T2                       | 3   | #5   | STR  | 28'-6"  | 89     |
| V1                       | 2   | #4   | STR  | 10'-1"  | 13     |
| V2                       | 2   | #4   | STR  | 9'-7"   | 13     |
| V3                       | 2   | #4   | STR  | 8'-2"   | 11     |
| V4                       | 2   | #4   | STR  | 6'-9"   | 9      |
| V5                       | 2   | #4   | STR  | 5'-4"   | 7      |
| V6                       | 2   | #4   | STR  | 10'-5"  | 14     |
| V7                       | 4   | #4   | STR  | 9'-5"   | 25     |
| V8                       | 3   | #4   | STR  | 8'-6"   | 17     |
| V9                       | 3   | #4   | STR  | 7'-8"   | 15     |
| V10                      | 3   | #4   | STR  | 6'-10"  | 14     |
| V11                      | 3   | #4   | STR  | 6'-0"   | 12     |
| V12                      | 3   | #4   | STR  | 5'-3"   | 11     |
| Z1                       | 2   | #5   | 4    | 7'-2"   | 15     |
| Z2                       | 2   | #5   | 4    | 6'-10"  | 14     |
| Z3                       | 4   | #5   | 4    | 5'-9"   | 24     |
| Z4                       | 4   | #4   | 4    | 4'-7"   | 12     |
| Z5                       | 4   | #4   | 4    | 3'-6"   | 9      |
| Z6                       | 2   | #5   | 4    | 7'-5"   | 15     |
| Z7                       | 7   | #5   | 4    | 6'-9"   | 49     |
| Z8                       | 6   | #5   | 4    | 6'-1"   | 38     |
| Z9                       | 6   | #5   | 4    | 5'-5"   | 34     |
| Z10                      | 6   | #4   | 4    | 4'-9"   | 19     |
| Z11                      | 6   | #4   | 4    | 4'-1"   | 16     |
| Z12                      | 6   | #4   | 4    | 3'-5"   | 14     |

|                               |                  |
|-------------------------------|------------------|
| REINFORCING STEEL FOR 2 WINGS | 1604 LBS.        |
| CLASS A CONCRETE              |                  |
| 2 WINGS                       | 21.4 C.Y.        |
| 1 HEADWALL                    | 1.2 C.Y.         |
| 1 END CURTAIN WALL            | 1.3 C.Y.         |
| <b>TOTAL</b>                  | <b>23.9 C.Y.</b> |

PROJECT NO. U-3440  
CABARRUS COUNTY  
 STATION: 117+50.00 -L-  
 SHEET 6 OF 8



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
**STANDARD WINGS FOR CONCRETE BOX CULVERT**  
 H = 10'-0" SLOPE = 2:1  
 45° SKEW

|                               |                |
|-------------------------------|----------------|
| ASSEMBLED BY : KEITH D. LAYNE | DATE : 5/06/16 |
| CHECKED BY : J. D. HAWK       | DATE : 5/20/16 |
| DRAWN BY : CCJ                | 01/00          |
| CHECKED BY : RWW              | 03/00          |

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

| REVISIONS |     |       |     | SHEET NO.      |       |
|-----------|-----|-------|-----|----------------|-------|
| NO.       | BY: | DATE: | NO. | BY:            | DATE: |
| 1         |     |       | 3   |                |       |
| 2         |     |       | 4   |                |       |
|           |     |       |     | C2-6           |       |
|           |     |       |     | TOTAL SHEETS 8 |       |