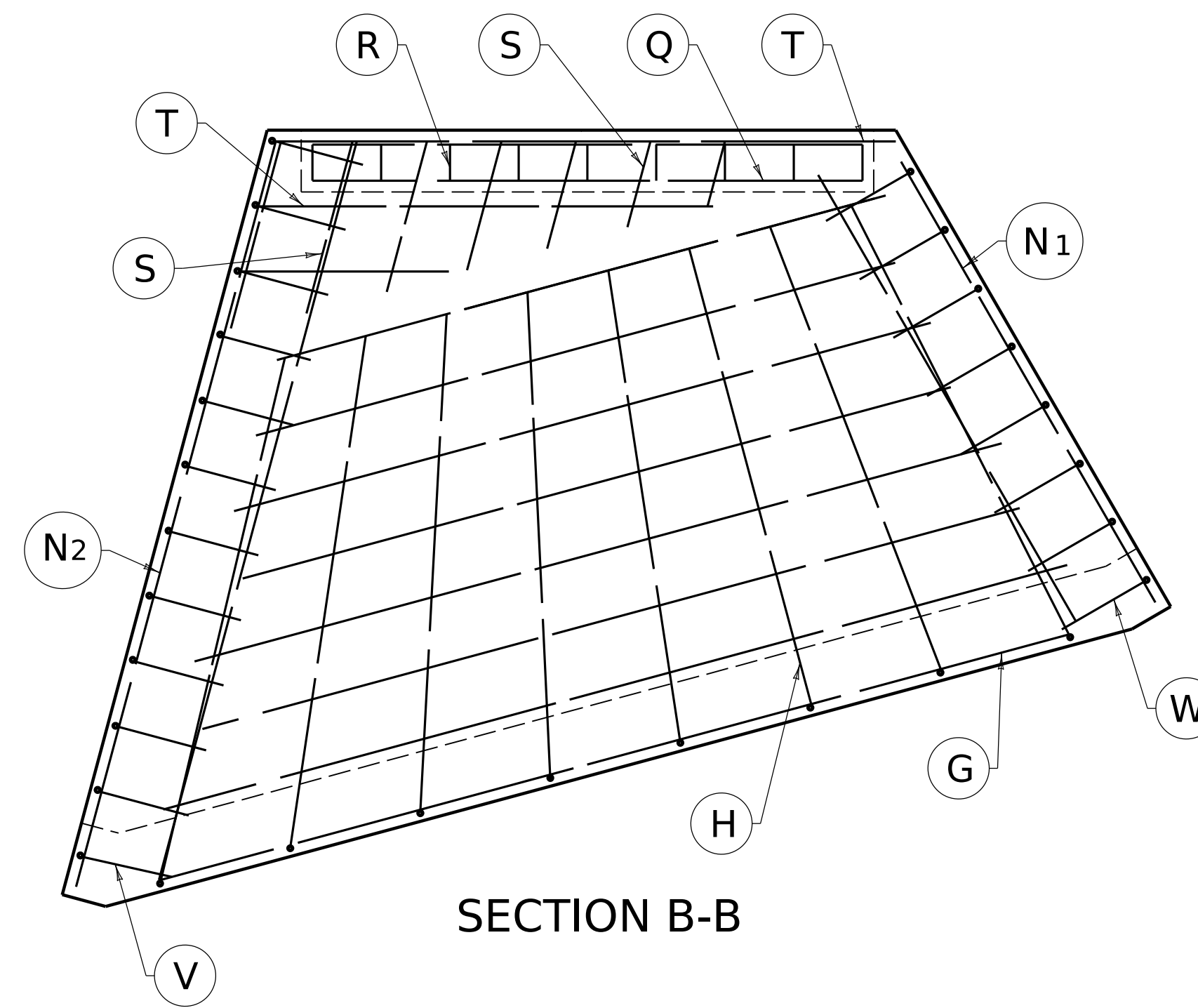
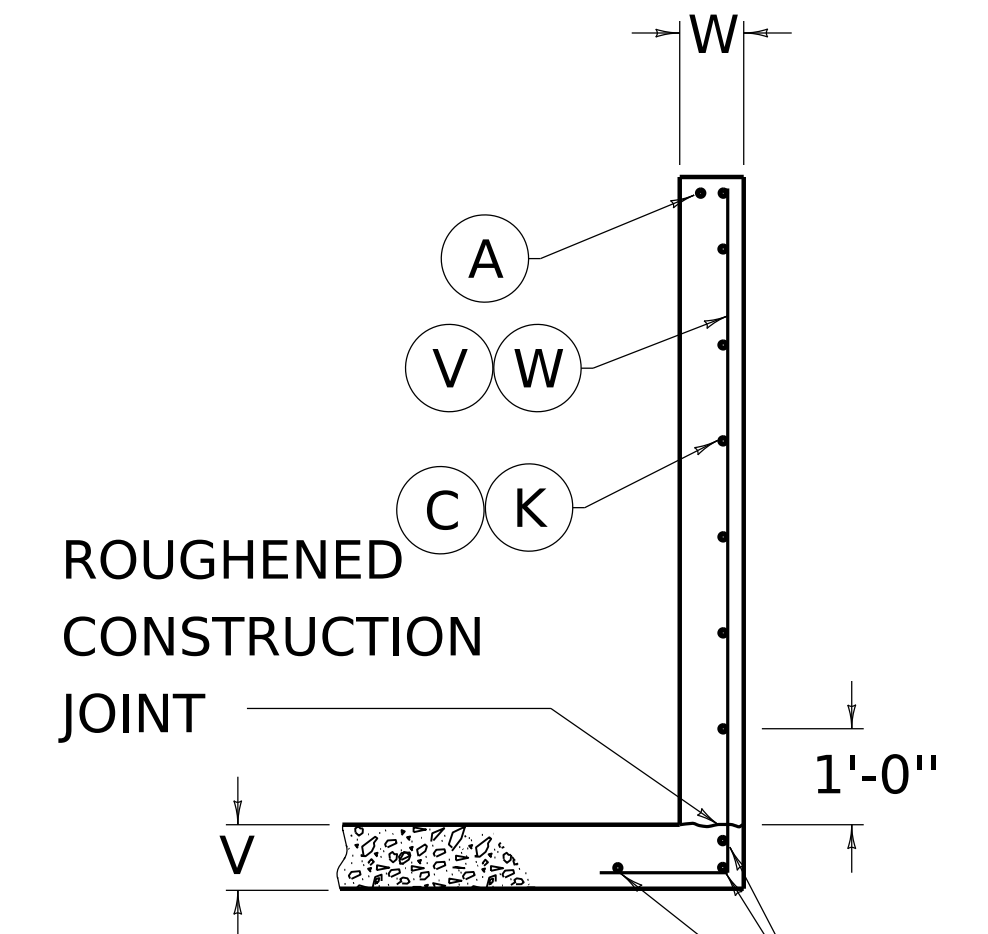


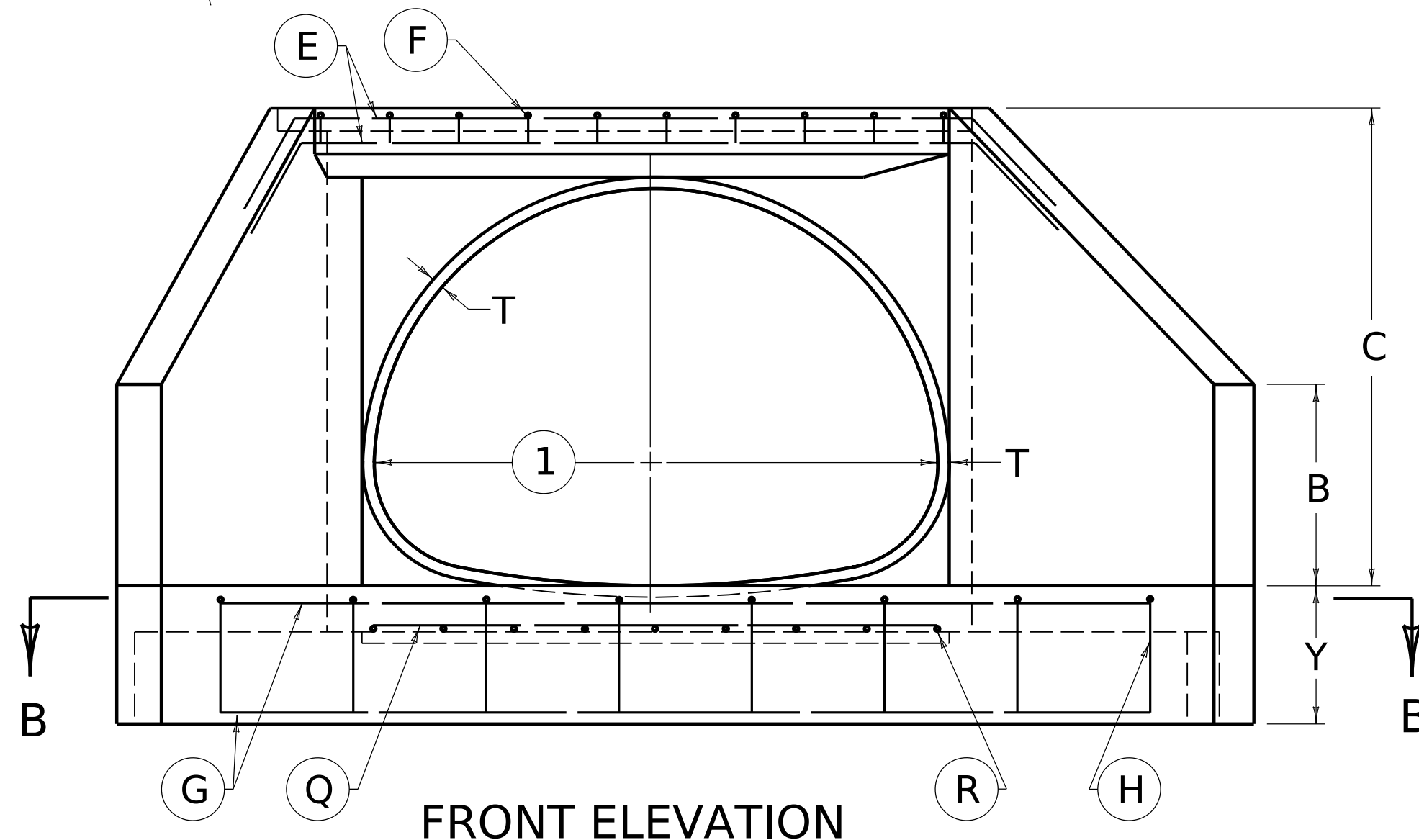
PLAN VIEW



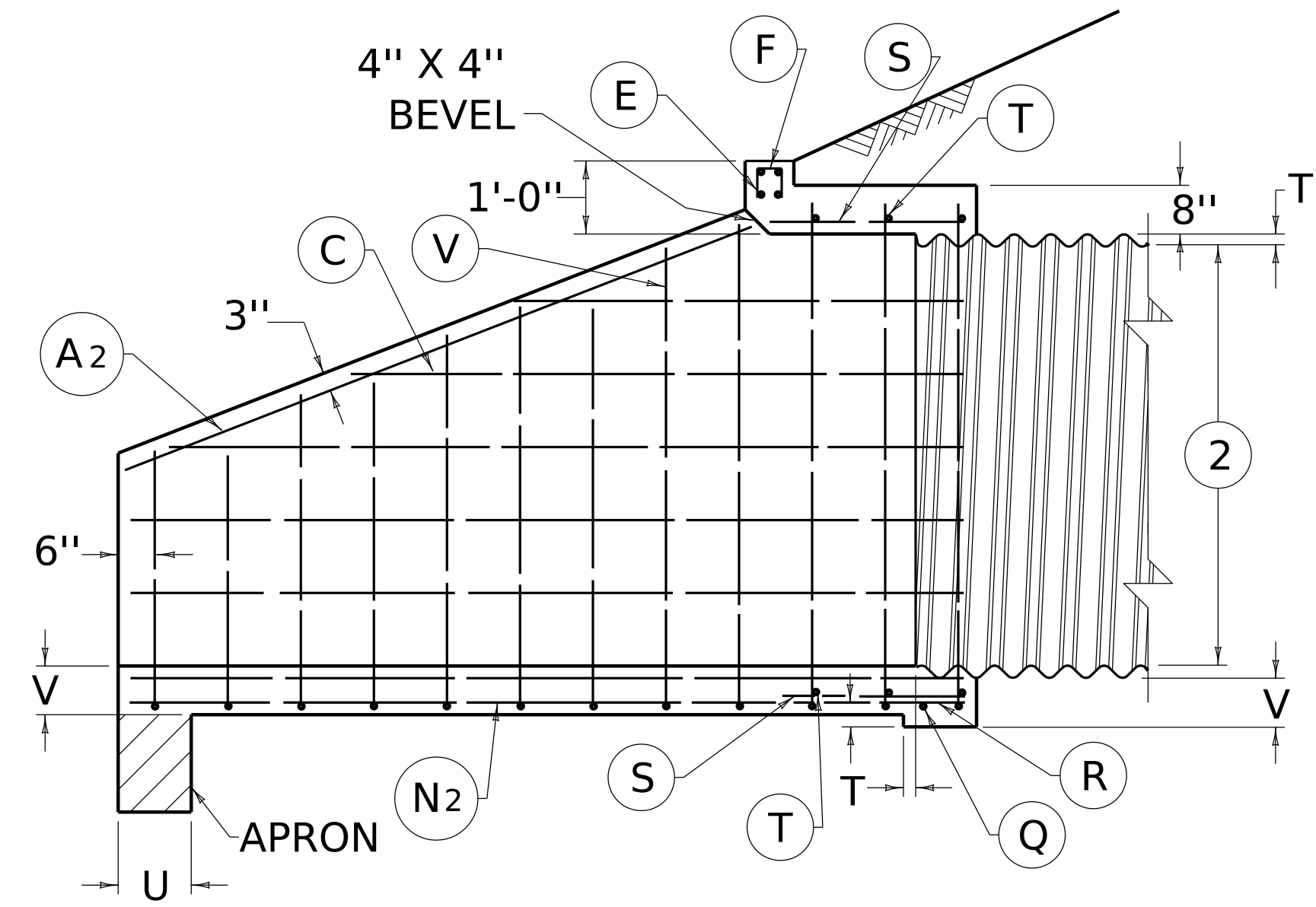
SECTION B-B



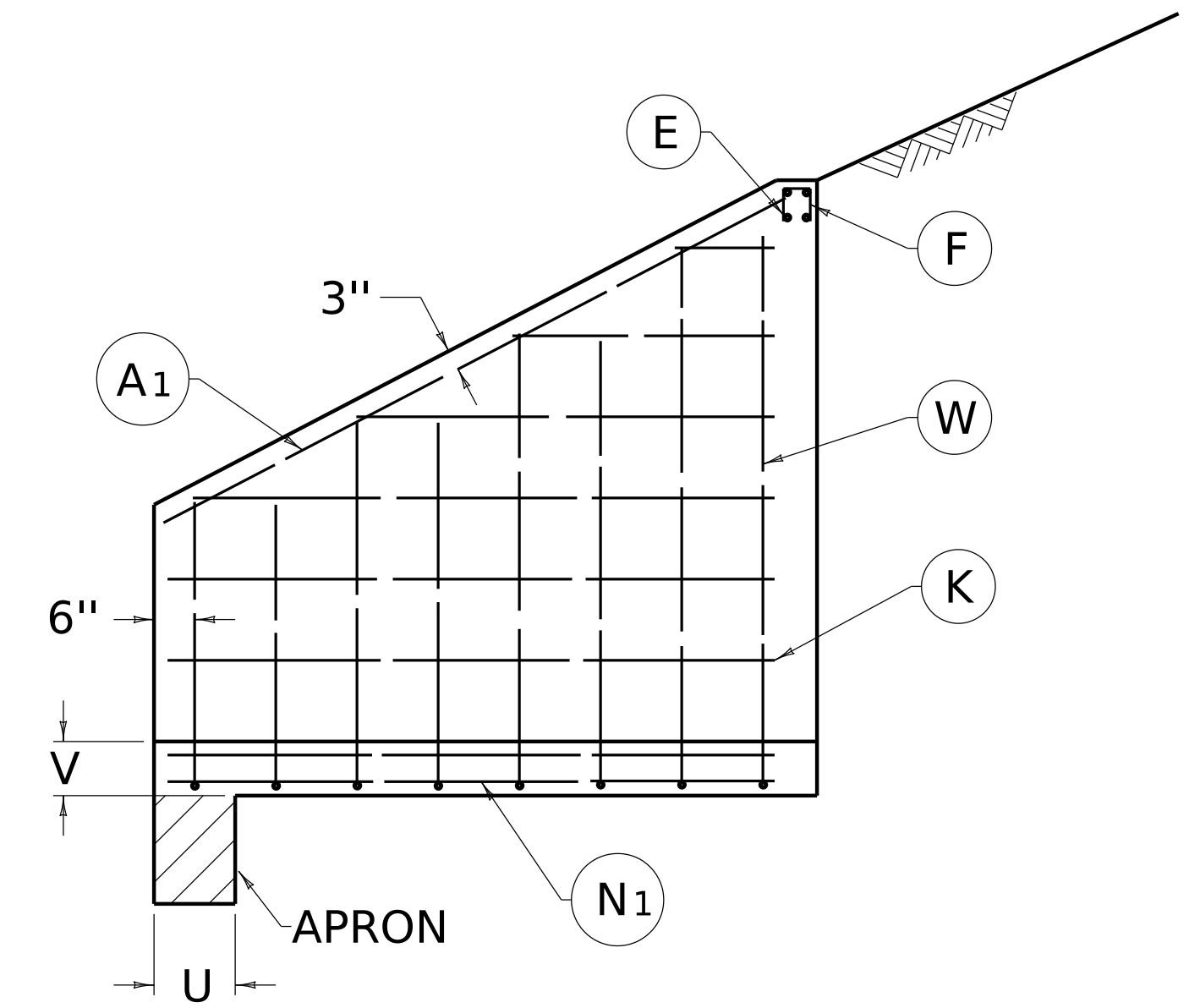
WING SECTION



FRONT ELEVATION



SECTION A-A



SHORT WING SECTION

~ NOTES ~

1. SPAN OF STRUCTURAL PLATE STEEL PIPE ARCH.
2. RISE OF STRUCTURAL PLATE STEEL PIPE ARCH.
3. FOR DIMENSIONS, QUANTITIES, AND BILL OF REINFORCEMENT SEE CURRENT STANDARD DRAWINGS RDH-420 THRU RDH-465.
4. DIMENSIONS FROM CONCRETE TO STEEL SHALL BE 2" CLEAR DISTANCE.
5. ENCIRCLED LETTERS, ○, INDICATE STEEL BAR LOCATIONS.
6. BARS ○C, ○G, ○K, ○V, ○W ARE SPACED 1'-0" O.C. ALL OTHER BARS SHALL BE EVENLY SPACED.
7. BARS ○V AND ○W ARE PLACED IN ORDER OF INCREASING LENGTHS, BEGINNING AT THE END OF EACH WING.
8. BARS ○C AND ○K ARE PLACED IN ORDER OF INCREASING LENGTHS, BEGINNING AT THE TOP OF EACH WING.
9. HEADWALLS LOCATED AT EDGE OF SHOULDERS SHALL BE PARALLEL TO CENTERLINE OF THE ROAD.
10. LIMITS OF APRON.
11. PAVING SHALL BE REQUIRED AND SHALL BE SLOPED IN DIRECTION OF FLOW EQUAL TO SLOPE OF PIPE. FRONT FACE OF HEADWALL AND ENDS OF WINGS SHALL REMAIN VERTICAL.

(LAYOUT AND STEEL PATTERN)

KENTUCKY  
DEPARTMENT OF HIGHWAYS

STEEL PIPE ARCH  
H-WALLS-15° -30° & 45° SK  
(PIPE RISE LESS THAN 6'-0")

STANDARD DRAWING NO. RDH-410-02

SUBMITTED \_\_\_\_\_ DIRECTOR DIVISION OF DESIGN \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVED \_\_\_\_\_ STATE HIGHWAY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_