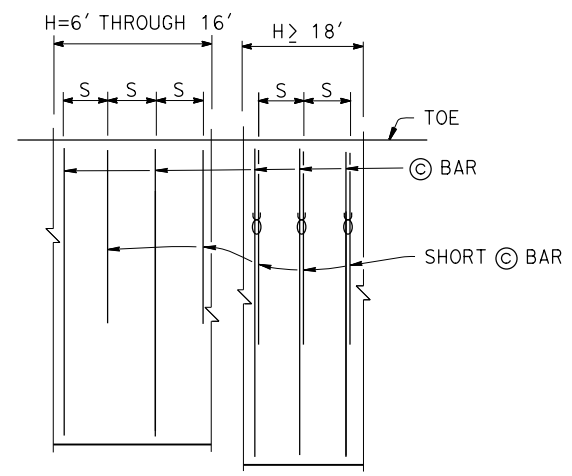
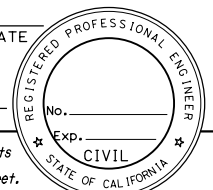


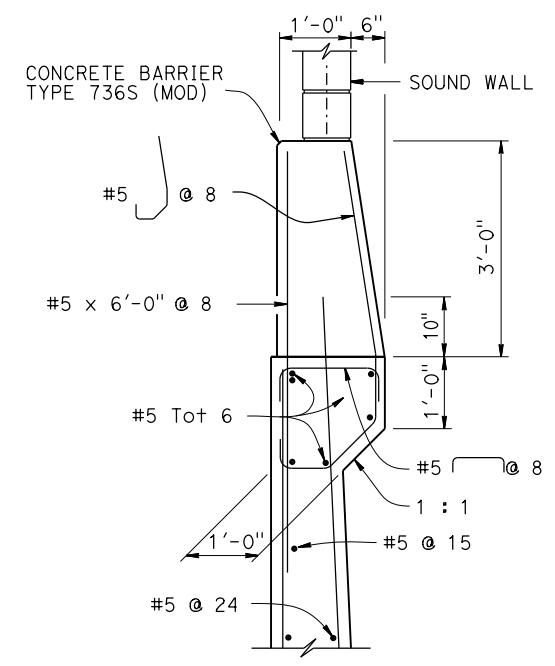
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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REGISTERED CIVIL ENGINEER DATE _____
 PLANS APPROVAL DATE _____
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.
 The Registered Civil Engineer for the project is responsible for the selection and proper application of the component design and any modifications shown.



PLAN
NO SCALE

NOTES:
 Only © bars shown
 "S" is © bar spacing, see table
 ⌘ indicates 2 bar bundle.

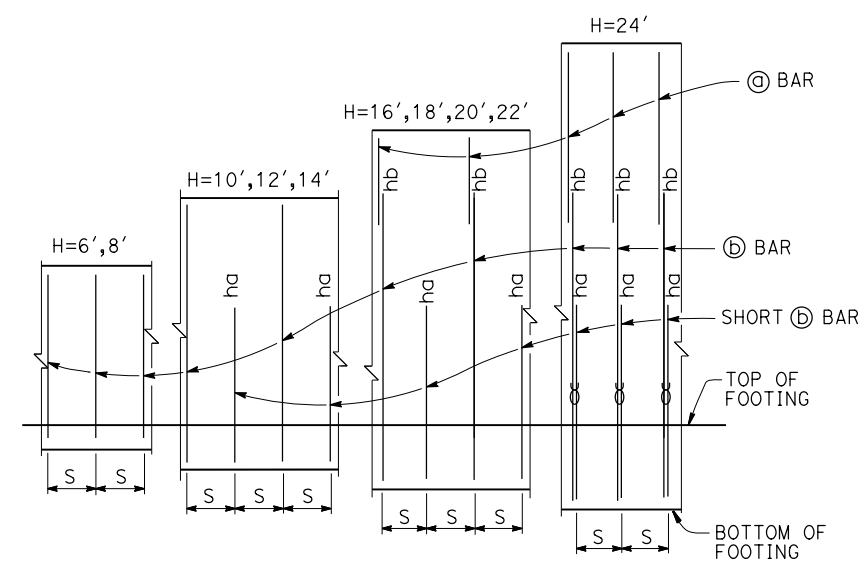


DETAIL A
3/4" = 1'-0"

DESIGN DATA

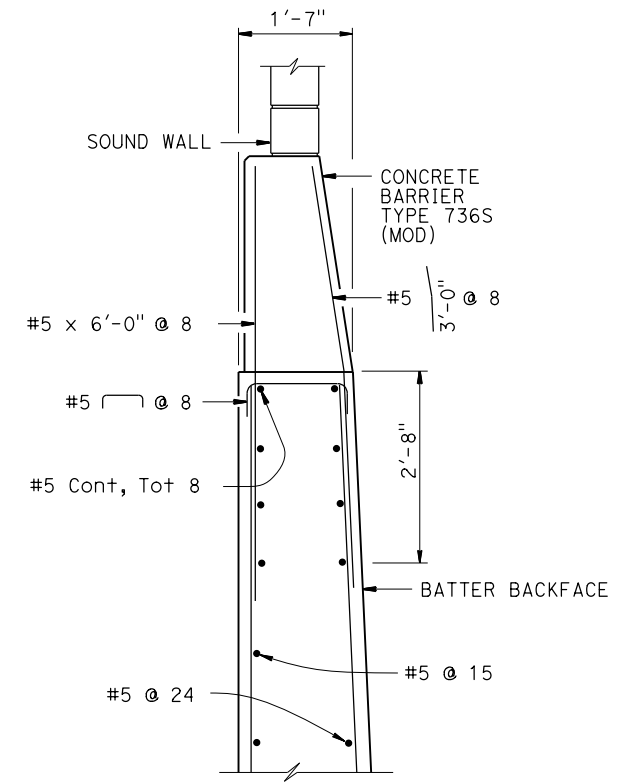
Design: AASHTO LRFD Bridge Design Specifications
 4th edition with California Amendments
 WS: 33 psf on sound wall and barrier
 LS: Varied surcharge on level ground surface
 CT: 54 kip maximum traffic impact loading evenly distributed over 10 feet at top of the barrier and 1:1 distribution down and outward
 EQE: Mononabe-Okabe Method
 $K_h = 0.3$
 $K_v = 0.0$
 Soil: $\phi = 34^\circ$
 $\gamma = 120$ pcf
 Reinforced Concrete: $f'_c = 3600$ psi
 $f_y = 60,000$ psi
 Load Combinations and Limit States
 Service I $Q = 1.00DC + 1.00EV + 1.00EH + 1.00LS + 0.30WS$
 Service II $Q = 1.00DC + 1.00EV + 1.00EH + 1.00WS$
 Strength I $Q = aDC + BEV + 1.50EH + 1.75LS$
 $Q = 1.25DC + 1.35EV + 0.90EH + 1.75LS$ (for piles at heel)
 Strength III $Q = aDC + BEV + 1.50EH + 1.40WS$
 Strength V $Q = aDC + BEV + 1.50EH + 1.35LS + 0.40WS$
 Extreme I $Q = 1.00DC + 1.00EV + 1.00EH + 1.00EQD + 1.00EQE$
 Extreme II $Q = 1.00DC + 1.00EV + 1.00EH + 1.00CT$

Where:
 Q: Force Effects
 a: 1.25 or 0.90, Which ever Controls Design
 B: 1.35 or 1.00, which ever Controls Design
 DC: Dead Load of Structure Components
 EV: Vertical Earth Fill Pressure
 LS: Live Load Surcharge
 EQE: Seismic Earth Pressure
 EQD: Soil and Structure Components Inertia.
 Soil inertia ignored for stem design
 WS: Wind Load on Sound Wall and Barrier
 CT: Vehicular Collision Force



ELEVATION
NO SCALE

NOTES:
 "ha" and "hb" above © bars indicate distance from top of footing to upper end of © bars, see table.
 "S" is © bar spacing, see table.
 ⌘ indicates 2 bar bundle.



OPTIONAL DETAIL A
3/4" = 1'-0"

For details not shown, see "DETAIL A"