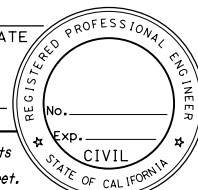
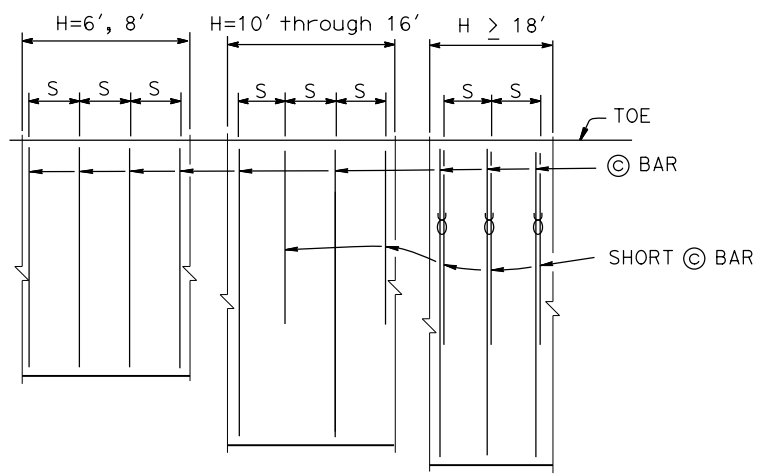
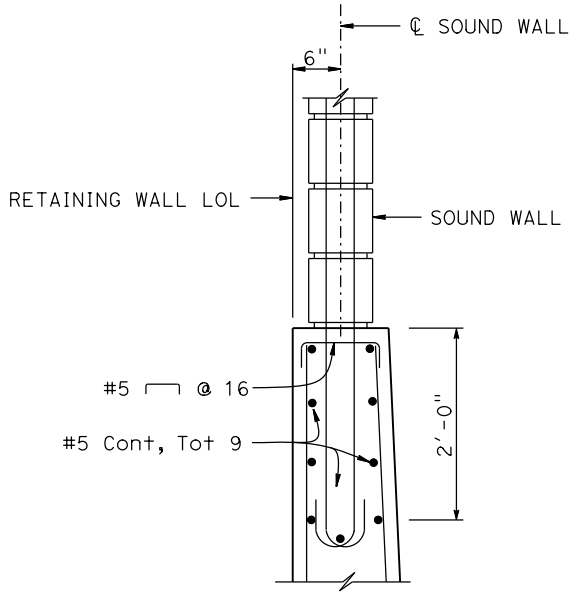


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE					
<small>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.</small>					
<small>The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



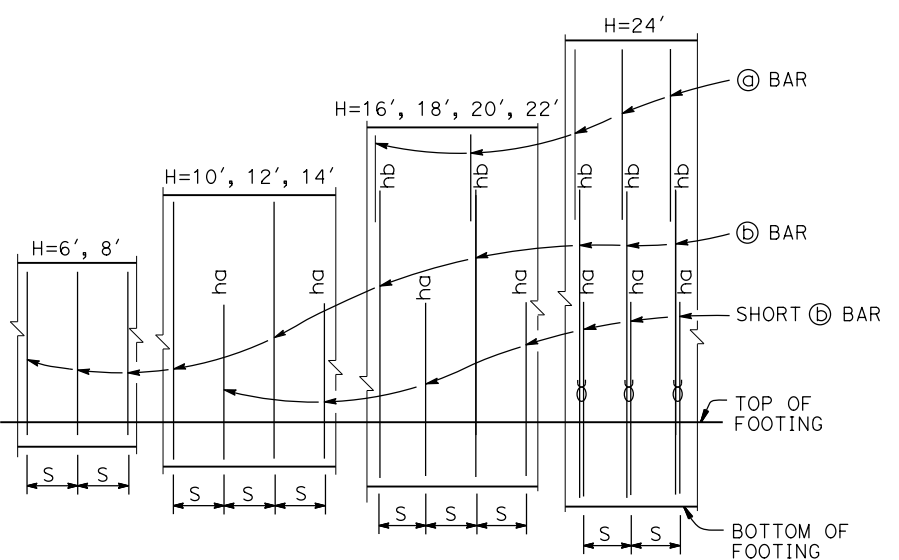
PLAN
NO SCALE

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



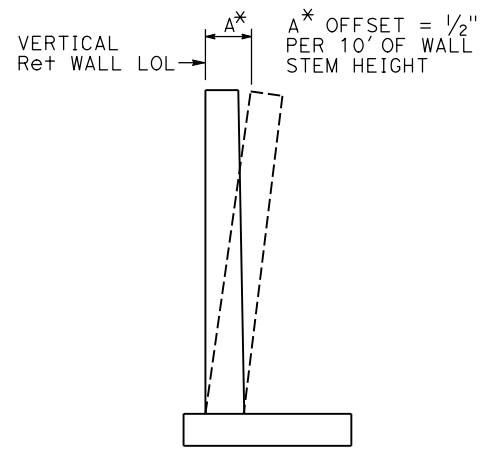
DETAIL A
1" = 1'-0"

- NOTES:
- For sound wall and retaining wall architectural finish or texture see details elsewhere in Project Plans.
 - For details not shown and drainage notes, see **B3-5**
 - Footing cover, 1'-6" minimum
 - For sound wall reinforcement, see "SOUND WALL - MASONRY BLOCK ON RETAINING WALL" sheet



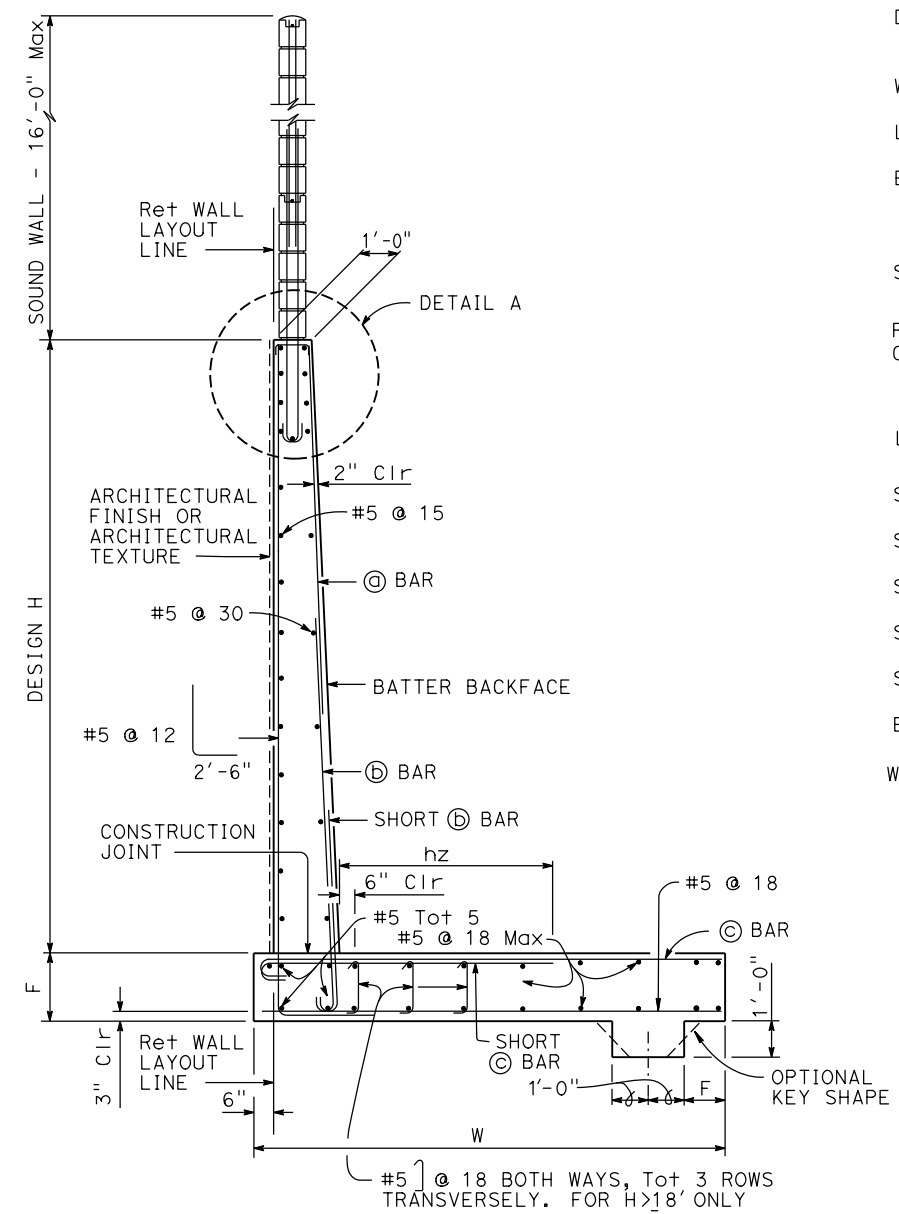
ELEVATION
NO SCALE

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.
⊗: 2 bar bundle



WALL OFFSET
No scale

Values for offsetting forms to be determined by the engineer



SPREAD FOOTING SECTION
3/8" = 1'-0"

DESIGN DATA

Design: AASHTO LRFD Bridge Design Specifications
4th edition with California Amendments

WS: 33 psf on sound wall

LS: Varied surcharge on level ground surface

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 $Q = aDC + BEV + 1.50EH + 1.75LS$

Strength III $Q = aDC + BEV + 1.50EH + 1.40WS$

Strength V $Q = aDC + BEV + 1.50EH + 1.35LS + 0.40WS$

Extreme I $Q = 1.00DC + 1.00EV + 1.00EH + 1.00EQD + 1.00EQE$

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