

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

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.

REGISTERED PROFESSIONAL ENGINEER

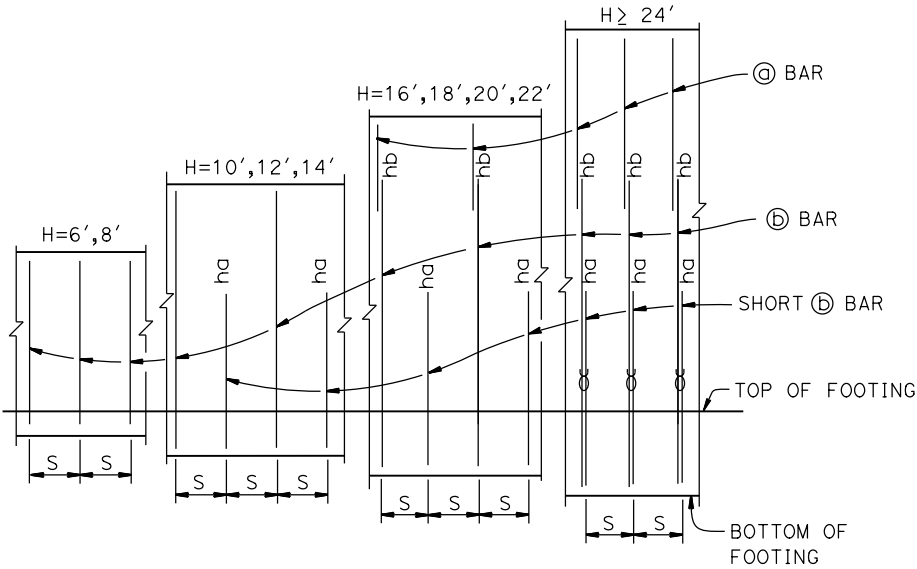
No.

Exp.

CIVIL

STATE OF CALIFORNIA

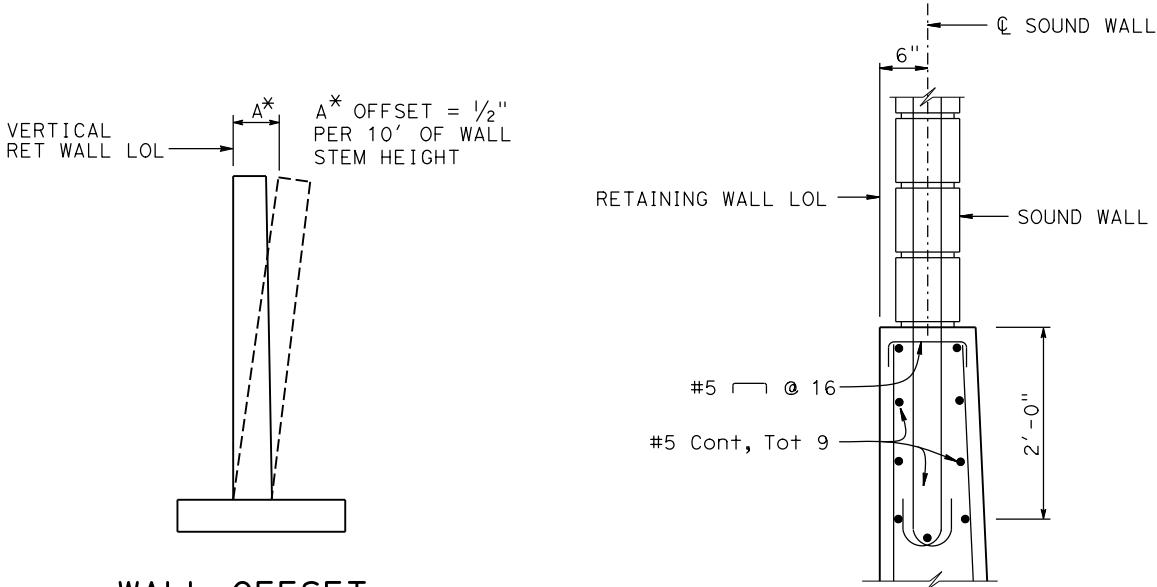
The Registered Civil Engineer for the project is responsible for the selection and proper application of the component design and any modifications shown.



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

DETAIL A
1" = 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
Kh = 0.3
Kv = 0.0

Soil: Ø = 34°
γ = 120 pcf

Reinforced Concrete: f'c = 3600 psi
fy = 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+βEV+1.50EH+1.75LS

Strength III Q=aDC+βEV+1.50EH+1.40WS

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

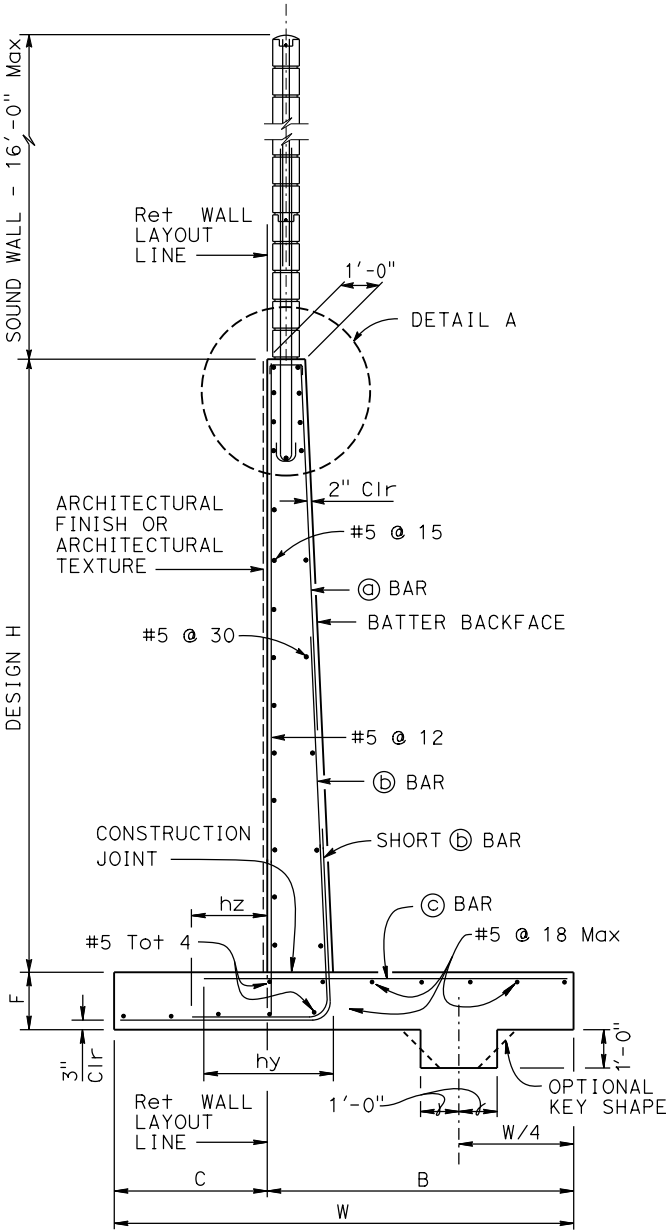
Extreme I Q=1.00DC+1.00EV+1.00EH+1.00EQD+1.00EQE

Where:

Q: Force Effects
a: 1.25 or 0.90, Which ever Controls Design
β: 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

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.



SPREAD FOOTING SECTION
No Scale