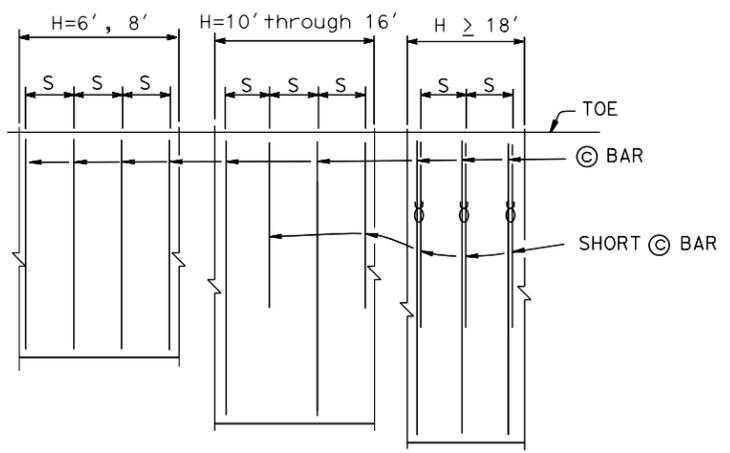
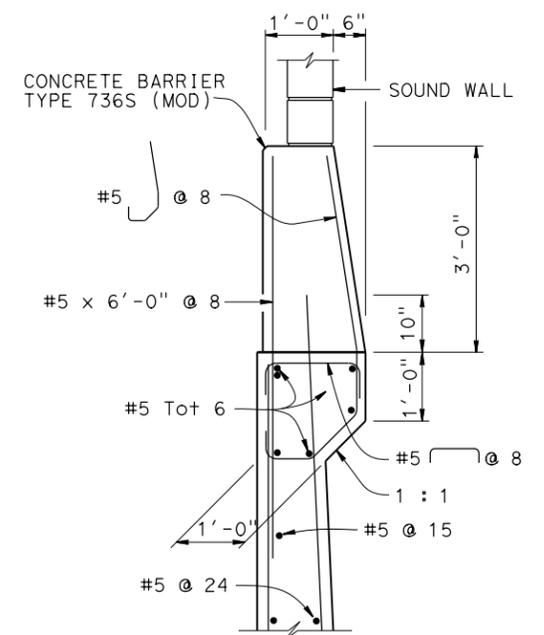


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
REGISTERED CIVIL ENGINEER				DATE	
PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.					
The Registered Civil Engineer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

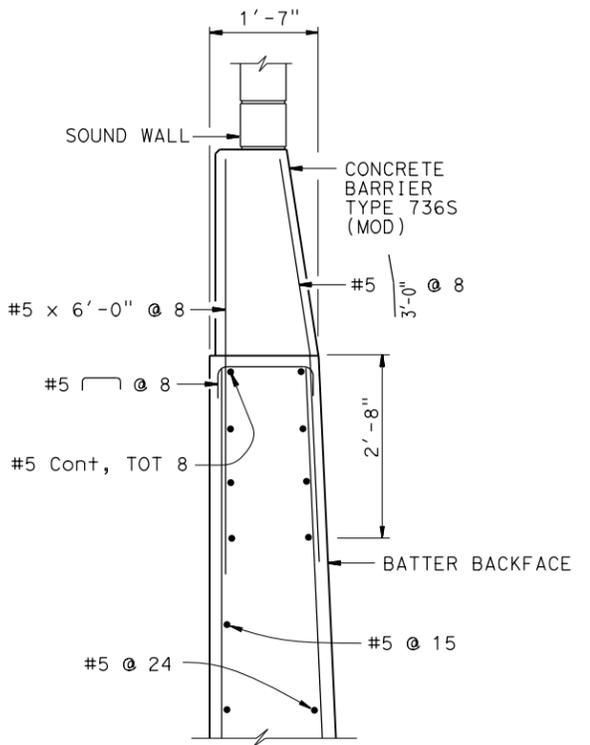


PLAN
NO SCALE

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

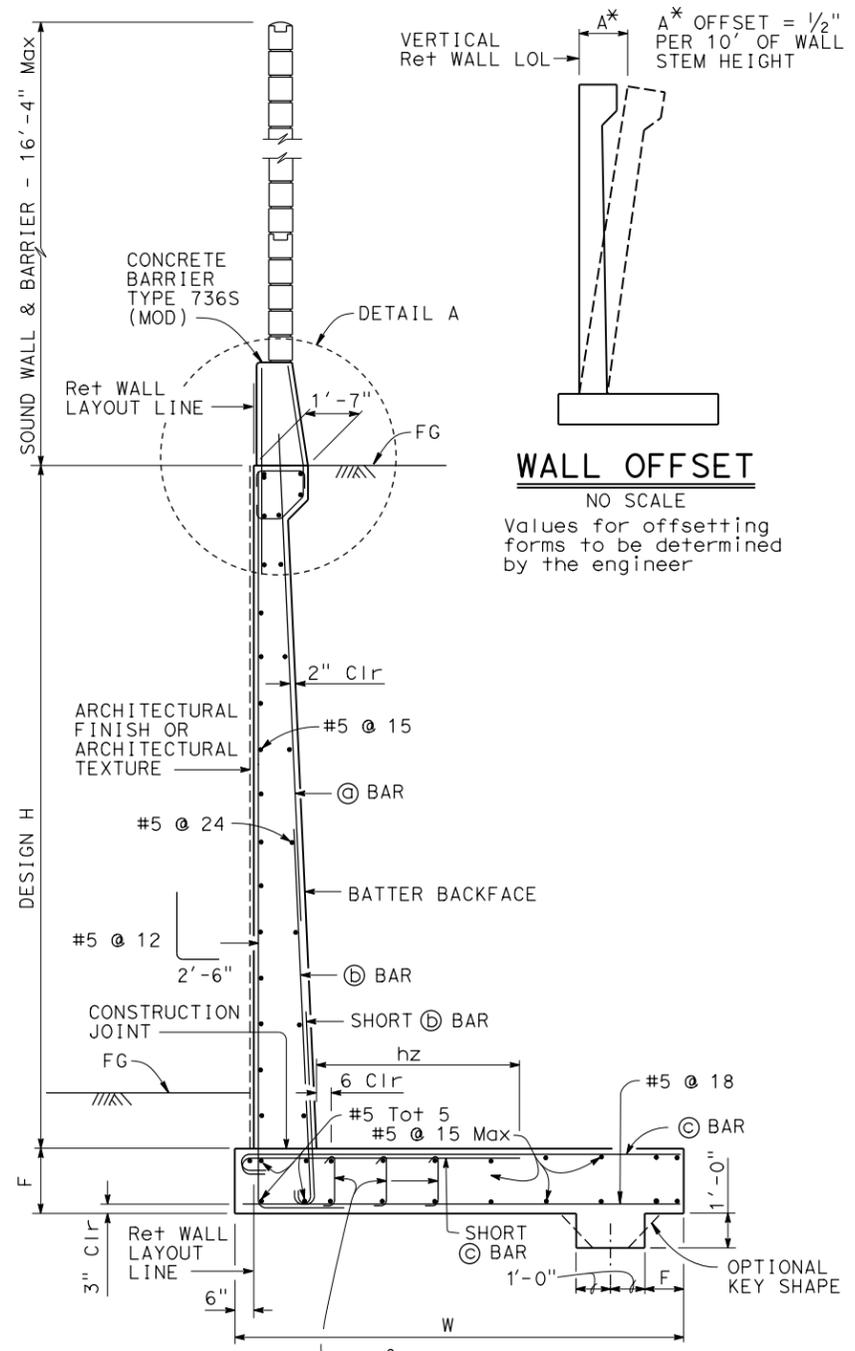


DETAIL A
3/4" = 1'-0"



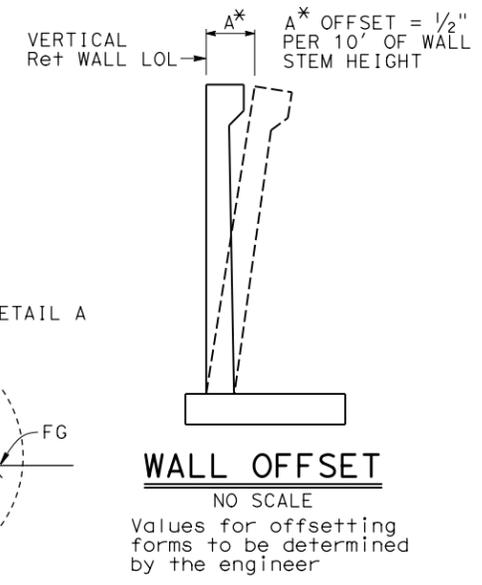
OPTIONAL DETAIL A
3/4" = 1'-0"

For Details not shown, see "DETAIL A"

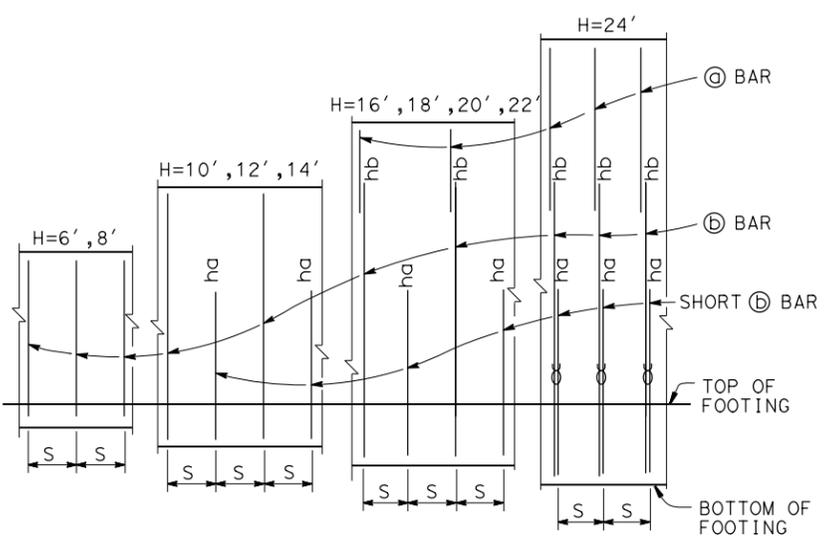


SPREAD FOOTING SECTION
3/8" = 1'-0"

NOTES:
1. For sound wall and retaining wall Architectural finish or texture see Details elsewhere in Project Plans
2. For Details not shown and Drainage Notes see **B3-5**
3. Footing cover, 1'-6" minimum.



WALL OFFSET
NO SCALE
Values for offsetting forms to be determined by the engineer



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

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: Mononobe-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 $Q=aDC+\beta EV+1.50EH+1.75LS$
 Strength III $Q=aDC+\beta EV+1.50EH+1.40WS$
 Strength V $Q=aDC+\beta EV+1.50EH+1.35LS+0.40WS$
 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

- For sound wall and barrier reinforcement details, see "SOUND WALL - MASONRY BLOCK WITH BARRIER ON RETAINING WALL" sheet.
- For H=6' through 14', extend © bars into Barrier for stem with haunch.
- For H>16', extend © bars into Barrier for stem with haunch.
- For H>8', provide additional #6 @ 12" © bar over a distance of 8'-0" measured from all expansion joints, begin wall and end wall locations.

BRIDGE STANDARD DETAILS			STATE OF CALIFORNIA			DIVISION OF ENGINEERING SERVICES			BRIDGE NO.		
xs14-350-1	October 2014	The components of the Bridge Standard Details have been prepared under the responsible charge of the Technical Owner, a registered civil engineer in the State of California.	DEPARTMENT OF TRANSPORTATION			ENGINEERING SERVICES			POST MILE		
RETAINING WALL TYPE 5SWB-DETAILS No. 1			UNIT: PROJECT NUMBER & PHASE:			CONTRACT NO.:			DISREGARD PRINTS BEARING EARLIER REVISION DATES		
Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html			FILE => xs14-350-1.dgn			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			REVISION DATES		
USERNAME => s136236			TIME PLOTTED => 10:45			DATE PLOTTED => 18-JUL-2016			SHEET OF		