

# GENERAL NOTES LOAD AND RESISTANCE FACTOR DESIGN

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
				X	
REGISTERED CIVIL ENGINEER			DATE		
			X		
PLANS APPROVAL DATE			No. X		
			Exp. X		
			CIVIL		
<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>					

DESIGN:  
AASHTO LRFD Bridge Design Specifications,  
2017 edition with California Amendments  
TMS 402-16, 2019 California Building Code

SEISMIC LOADING:  
2.0 x Dead load

WIND LOADING:  
0.0407 ksf

LIVE LOADING:  
TL-4

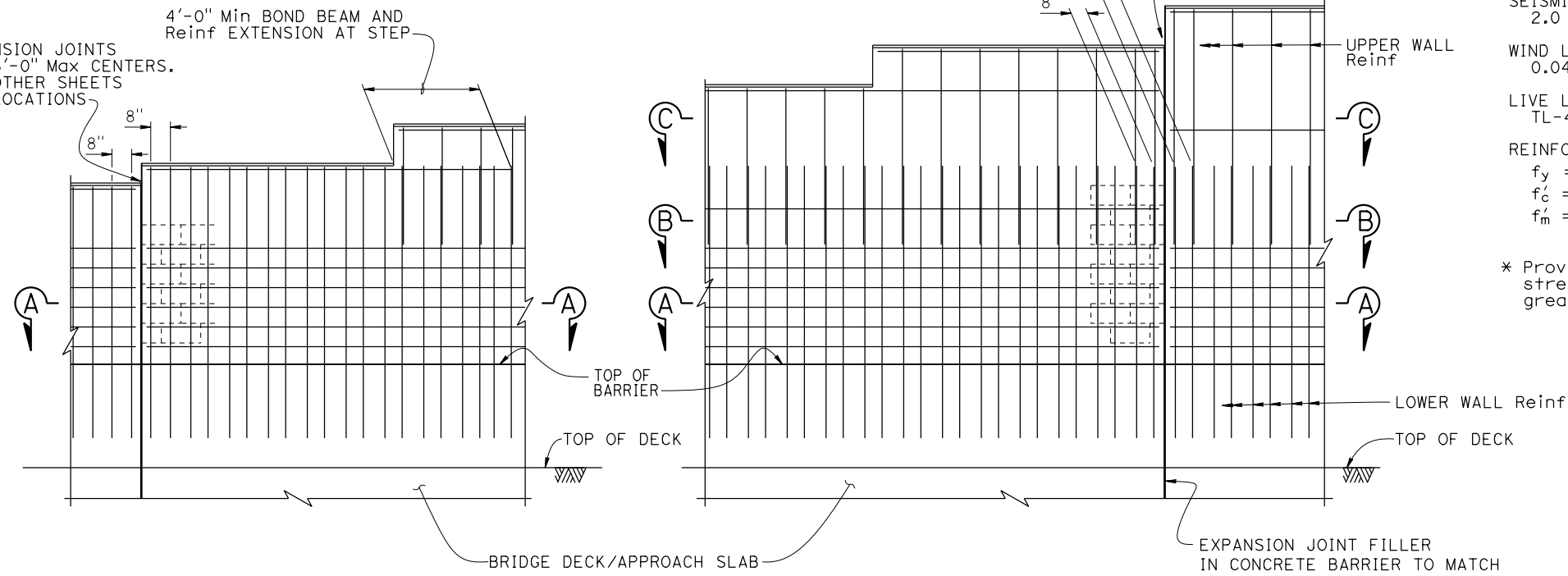
REINFORCED CONCRETE:  
 $f_y = 60$  ksi  
 $f'_c = 3.6$  ksi  
 $f'_m = 2.5$  ksi for high-strength block \*

\* Provide materials to achieve the net compressive strength of concrete masonry unit equal to or greater than specified  $f'_m$ .

LEGEND:  
CMU - Concrete Masonry Unit

EXPANSION JOINTS AT 96'-0" Max CENTERS. SEE OTHER SHEETS FOR LOCATIONS

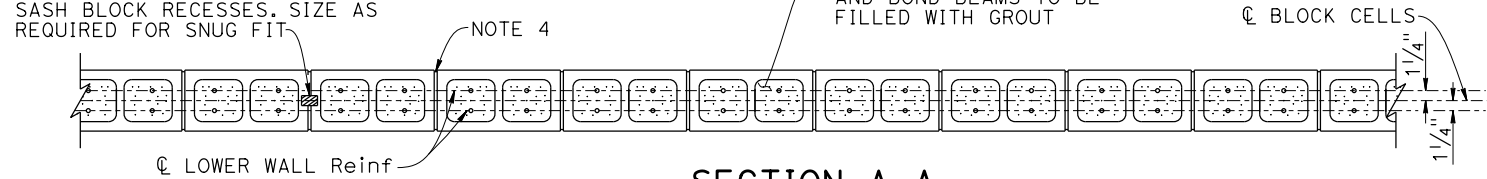
EXPANSION JOINTS AT 96'-0" Max CENTERS. SEE OTHER SHEETS FOR LOCATIONS



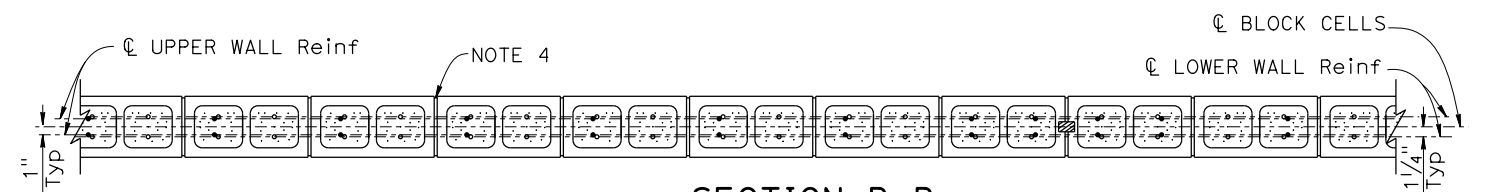
**PART ELEVATION**

AT EXPANSION JOINTS: CONTINUOUS EXPANSION JOINT FILLER PLACED IN SASH BLOCK RECESSES. SIZE AS REQUIRED FOR SNUG FIT

CELLS WITH VERTICAL Reinf AND BOND BEAMS TO BE FILLED WITH GROUT

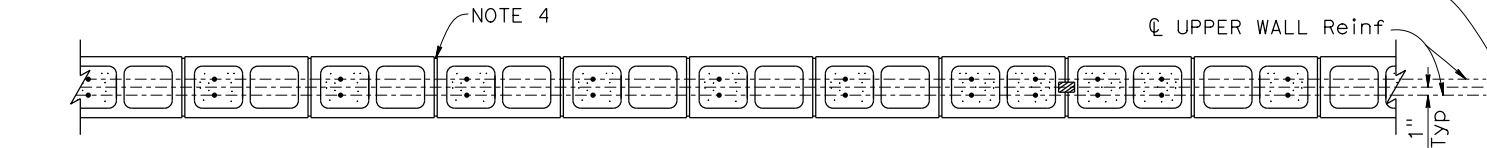


**SECTION A-A**



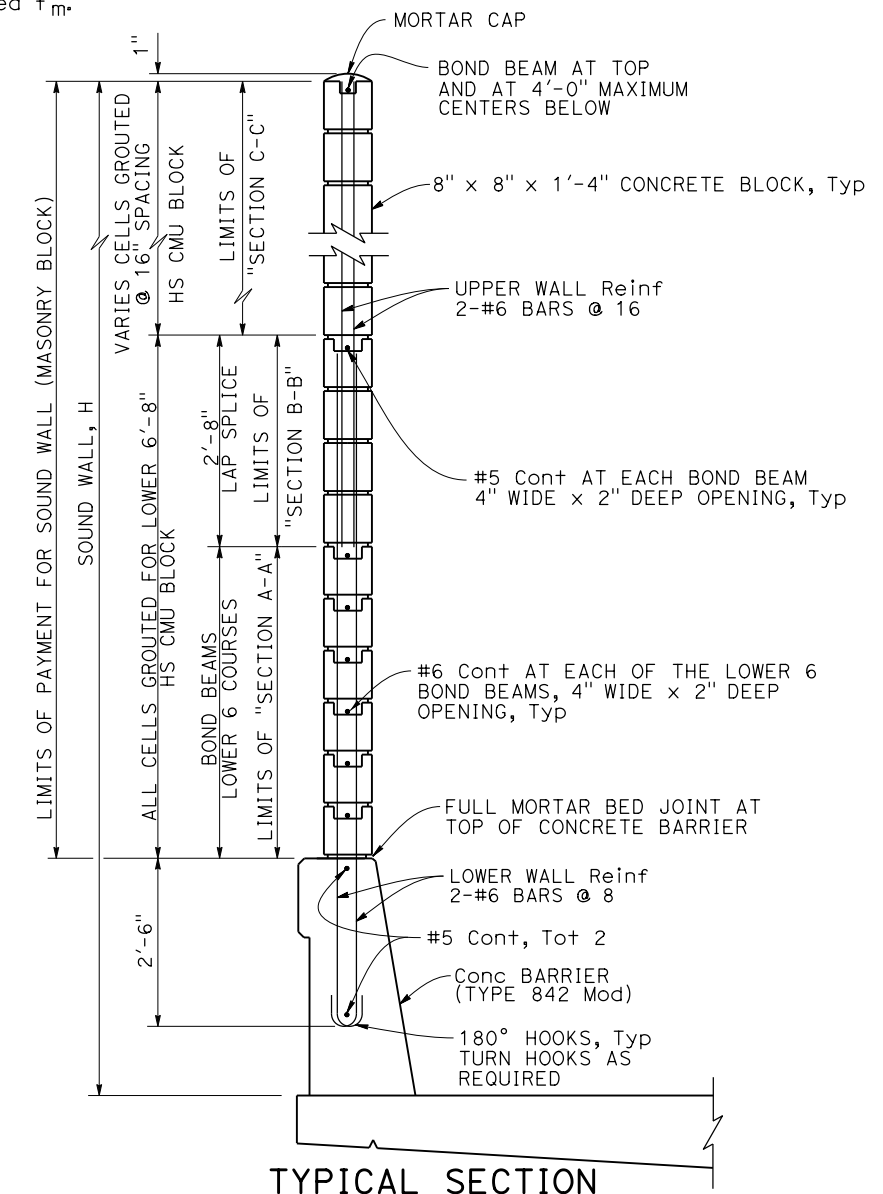
**SECTION B-B**

NOTE: For details not shown, see "SECTION A-A".



**SECTION C-C**

NOTE: For details not shown, see "SECTION A-A".



**TYPICAL SECTION**

**NOTES:**

1. For sound wall details not shown, see Standard Plan B15-9.
2. For type of block and joint finish, see other sheets.
3. When blocks are laid in stacked bond, ladder type, galvanized joint reinforcement shall be provided. Galvanized reinforcement must be a minimum of two continuous W9 wires at 4'-0" maximum spacing. Locate reinforcement in joints that are at the approximate midpoint between bond beams.
4. Horizontal joints shall be tooled concave or weathered. Vertical joints shall be tooled concave or raked.
5. Minimum wall height shall be H = 9'-6". Maximum wall height shall be H = 16'-2".
6. All concrete masonry blocks are high-strength blocks.

NO SCALE

<b>BRIDGE STANDARD DETAILS</b>			<b>STATE OF CALIFORNIA</b>			<b>DIVISION OF ENGINEERING SERVICES</b>			<b>X</b>		
xs15-140-1 <small>FILE NO.</small>	October 2024 <small>APPROVAL DATE</small>	<small>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</small>	<b>DEPARTMENT OF TRANSPORTATION</b>			<b>ENGINEERING SERVICES</b>			<b>SOUND WALL MASONRY BLOCK ON BRIDGE DETAILS No. 1</b>		
Refer to: <a href="http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html">http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html</a>			DATE PLOTTED => 14-OCT-2024 FILE => xs15-140-1.dgn			TIME PLOTTED => 12:16 USERNAME => s147461			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		
			0 1 2 3			UNIT: XXXX PROJECT NUMBER & PHASE: XXXXXXXXXX1			COUNTY/ROUTE/ZONE: XXX/XXX/X CONTRACT No.: XX-XXXXX4		
DISREGARD PRINTS BEARING EARLIER REVISION DATES									REVISION DATES		
									SHEET OF X X		