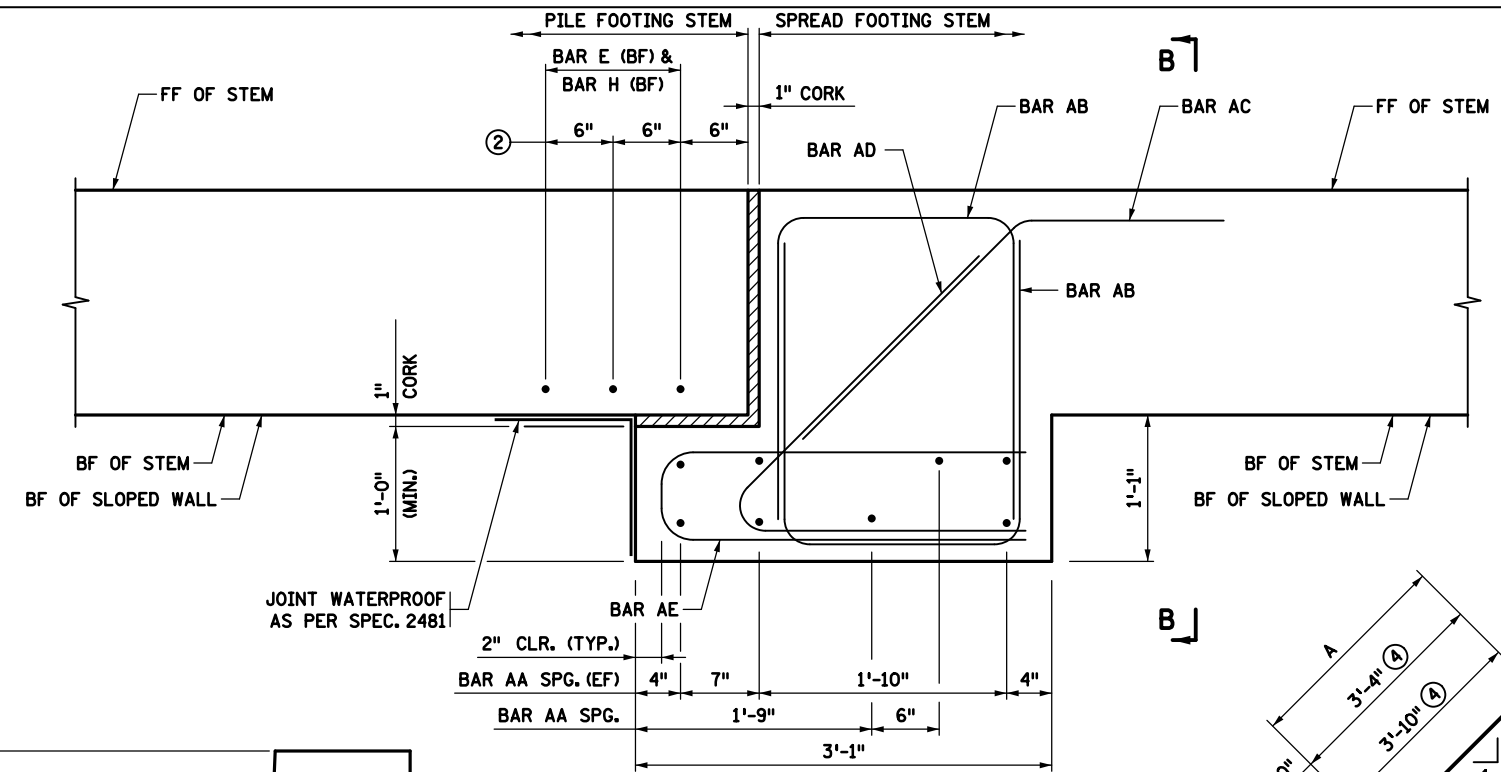
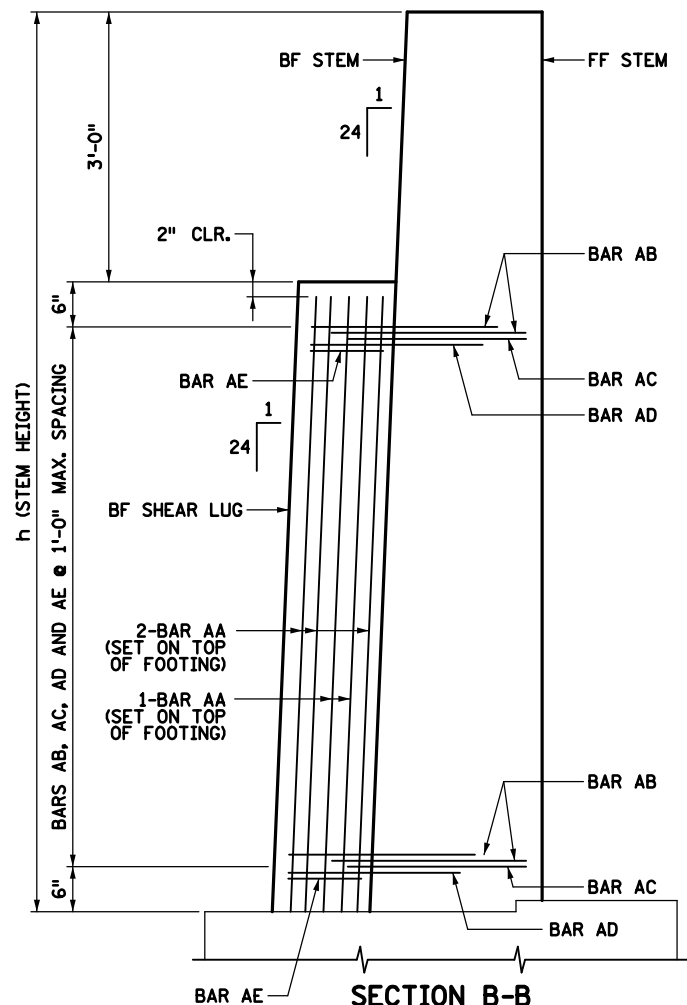


**ELEVATION**  
BF SHOWN



**SECTION A-A**

FOOTINGS NOT SHOWN  
(ONLY SHEAR LUG REINFORCEMENT SHOWN.  
SEE WALL REINFORCEMENT PANEL SHEETS  
FOR OTHER REINFORCEMENT.)

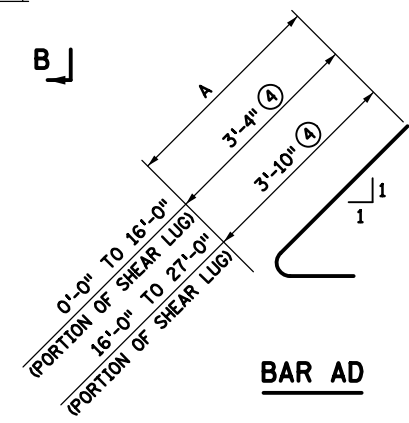


**SECTION B-B**

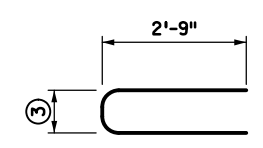
ONLY SHEAR LUG REINFORCEMENT SHOWN  
(BF OF SLOPED WALL SHOWN)

BILL OF REINFORCEMENT ① FOR SHEAR LUG					
BAR	MARK	NO.	LENGTH	SHAPE	A - DIMENSION
②	E	F...05E	3	'- "	②
②	H	S...02E	3	'- "	N.A.
	AA	S503E	8	'- "	N.A.
④	AB	S504E	---	6'-6"	2'-4"
④	AB	S505E	---	7'-0"	2'-7"
④	AB	S506E	---	8'-0"	3'-1"
	AC	S407E	---	4'-10"	N.A.
④	AD	S408E	---	4'-10"	3'-4"
④	AD	S409E	---	5'-4"	3'-10"
	AE	S410E	---	6'-2"	N.A.

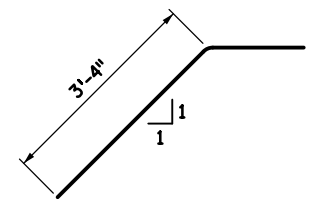
N.A. = NOT APPLICABLE



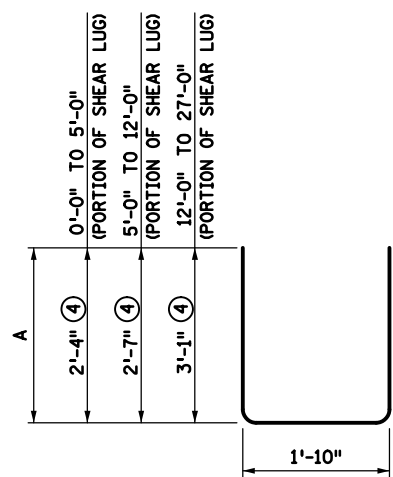
**BAR AD**



**BAR AE**



**BAR AC**



**BAR AB**

**NOTES:**

USE THIS DETAIL AT A RETAINING WALL JOINT WHEN THE WALL OR BRIDGE IS SUPPORTED ON PILE FOUNDATION ON ONE SIDE OF THE JOINT AND SPREAD FOOTING ON THE OTHER SIDE.

THE SHEAR LUG SHALL BE PROVIDED ON THE SPREAD FOOTING WALL AS SHOWN.

SHEAR LUG IS NOT REQUIRED IF:

WALL HEIGHT FROM TOP OF FOOTING TO TOP OF WALL IS LESS THAN 14 FEET WITHOUT A NOISE BARRIER

THE COMBINED HEIGHT OF RETAINING WALL AND NOISE BARRIER IS LESS THAN 23 FEET AND WALL HEIGHT FROM TOP OF FOOTING TO GRADE IS LESS THAN 13 FEET.

ADDITIONAL REINFORCING BARS, STRUCTURAL CONCRETE, SHOP DRAWINGS, AND ALL OTHER COMPONENTS REQUIRED TO CONSTRUCT SHEAR LUGS ARE INCIDENTAL.

BF DENOTES BACK FACE.  
FF DENOTES FRONT FACE.  
EF DENOTES EACH FACE.

① CONTRACTOR IS REQUIRED TO FILL THE BILL OF REINFORCEMENT TABLE AND SUBMIT IT TO THE PROJECT ENGINEER AT LEAST 3 WEEKS PRIOR TO REBAR FABRICATION.

② SEE PANEL TABULATIONS FOR BAR SIZE AND LENGTH. THESE BARS ARE IN ADDITION TO TYPICAL WALL REINFORCEMENT.

③ 8" WHEN BACK FACE OF WALL ON PILE FOOTING AND SHEAR LUG HAVE UNIFORM SLOPE, VARIES (8" MINIMUM) WHEN BACK FACE OF WALL ON PILE FOOTING AND SHEAR LUG HAVE NON-UNIFORM SLOPE.

④ USE THE BAR LEG DIMENSION FOR THE PORTION OF SHEAR LUG LOCATION INDICATED IN THE BAR BEND IN DETAIL. (0'-0" REPRESENTS TOP OF THE SHEAR LUG).

LEAD EXPERT OFFICE  
NANCY DAUBENBERGER  
STATE BRIDGE ENGINEER

RETAINING WALL SHEAR LUG DETAILS

APPROVED: 08-27-2014  
REVISED:

*Christopher Roy*  
CHRISTOPHER ROY  
STATE DESIGN ENGINEER

STANDARD PLAN  
5-297.625

1 OF 1



STANDARD PLAN

STATE PROJ. NO.  
TRUNK HWY.

SHEET NO.  
TOTAL SHEETS