

45° SKEW 32'-0" - 33'-6" BRIDGE WIDTH 2:1 FILL SLOPES

MARK		A1	A2	A3	A4	A5*	A6				A7	A8	A9	A10	A11	A12	A13	A14*	A15	A16	A17	A18	
TYPE		Str.	Str.	Str.	Str.	Str.	4				Str.	Str.	Str.	Str.	Str.	Str.	Str.	Str.	Str.	Str.	Str.	Str.	
SIZE						#5	#5	#5	#5	#5			#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	
H	No.	Length ft.	Length ft.	Length ft.	Length ft.	Length ft.	Length ft.	Length ft.	Length ft.	Length ft.	Length ft.	Length ft.	Length ft.	Length ft.	Length ft.	Length ft.	Length ft.	Length ft.	Length ft.	Length ft.	Length ft.	Length ft.	
15-16	112	10	11	8	12	11	8	12	24	20	6	24	38	11	24	62	1	109	9	11	12	8	1/2
13-14	107	9	10	8	12	10	7	10	8	12	22	18	2	22	34	10	22	61	8	10	3	12	6
11-12	101	8	9	8	12	10	6	9	8	12	20	15	10	20	29	9	20	61	3	9	7	1	12
9-10	94	7	8	8	12	9	5	8	8	12	18	13	6	18	24	8	18	60	9	8	6	1	12
7-8	89	6	7	2	12	8	5	7	2	12	16	10	11	16	18	11	16	59	11	8	5	7	12
5-6	83	5	6	2	12	8	5	6	2	12	14	8	7	14	13	9	14	59	6	7	5	7	12

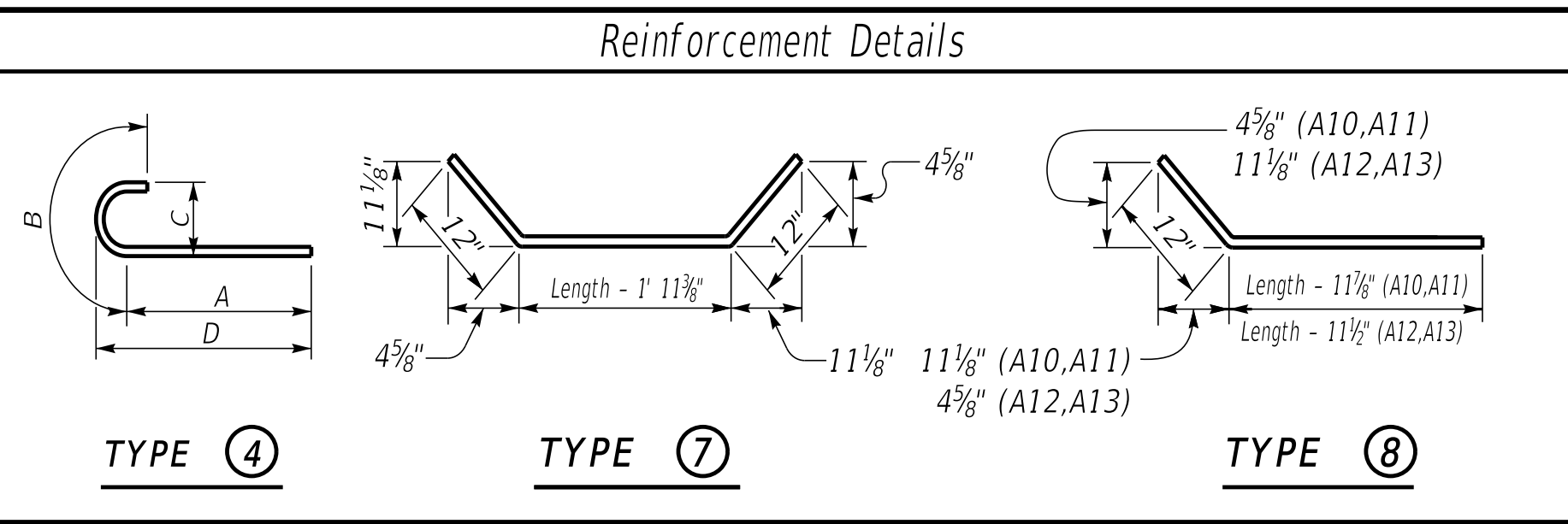
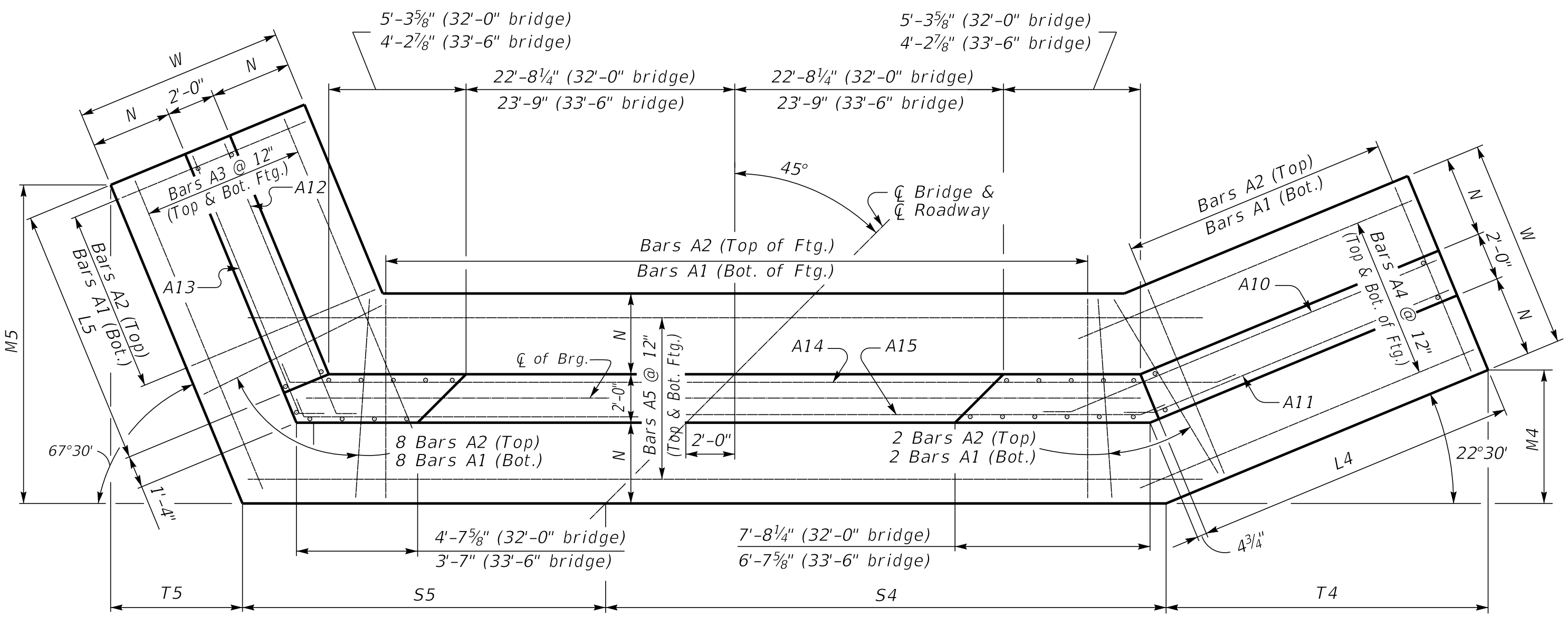


Table of Dimensions											
H	W	N	M4	M5	S4	S5	T4	T5	L4	L5	
ft.	ft.	ft.	ft.	ft.	ft.	ft.	ft.	ft.	ft.	ft.	ft.
15-16	12	0	5	0	14	8 1/4	19	1 1/4	36	4 3/8	29
13-14	11	0	4	6	13	1 1/2	16	1 3/8	35	9 3/8	25
11-12	10	0	4	0	11	2	14	9 1/2	35	2 1/4	26
9-10	9	0	3	6	9	2 1/2	12	7 3/8	34	7	26
7-8	7	6	2	9	7	3	10	3 3/8	33	8 1/4	26
5-6	6	6	2	3	5	3 3/8	8	2	33	1	26

NOTE: Bars with * next to mark may have lengths over 60 ft and may require a lap splice of 2'-2". The contractor shall determine the lap location and include the extra length necessary for the lap when ordering the steel reinforcement. This extra length is not included in the quantities and shall be incidental to the rebar.

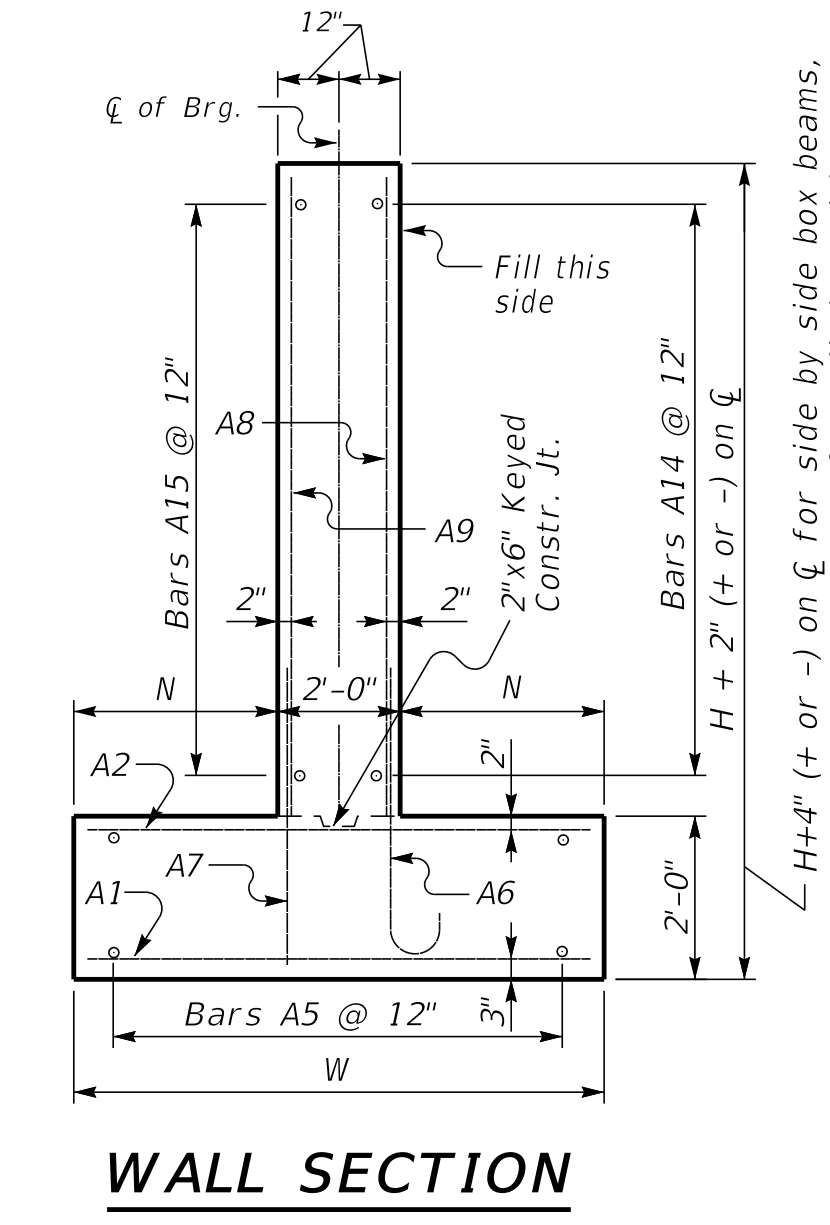
4 foot min. shoulder



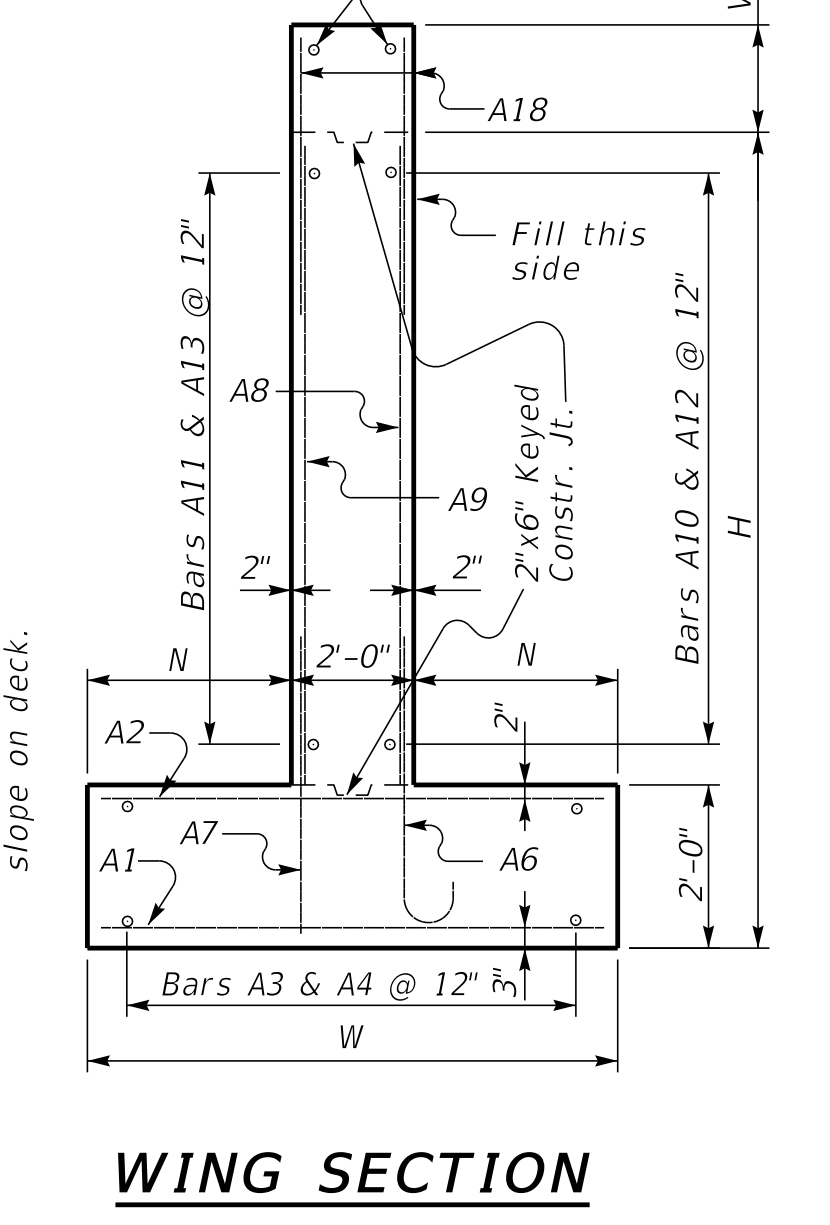
(Left Skew as shown; right skew opp. hand)

PLAN

NOTE: Trim A16 & A17 bars if necessary



WALL SECTION



WING SECTION

GENERAL NOTES

SPECIFICATIONS: Construct abutments according to the current edition of the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction. Abutments are designed for side by side box beams as detailed in Standard Drawings BDP-001 through BDP-012, current edition. Dimensions may be adjusted to allow for 33'-6" rolled steel beam bridge width.

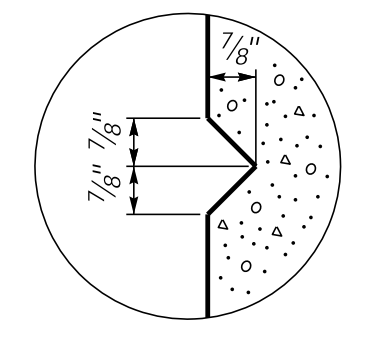
FOUNDATION PRESSURE: Construct abutment footings on solid rock bearing material that can support a pressure of 8000 psf service or 10,800 psf strength factored as recommended by a geotechnical engineer.

WING LENGTHS: Calculated assuming 21" superstructure depth and stream bank elevation at top of footing.

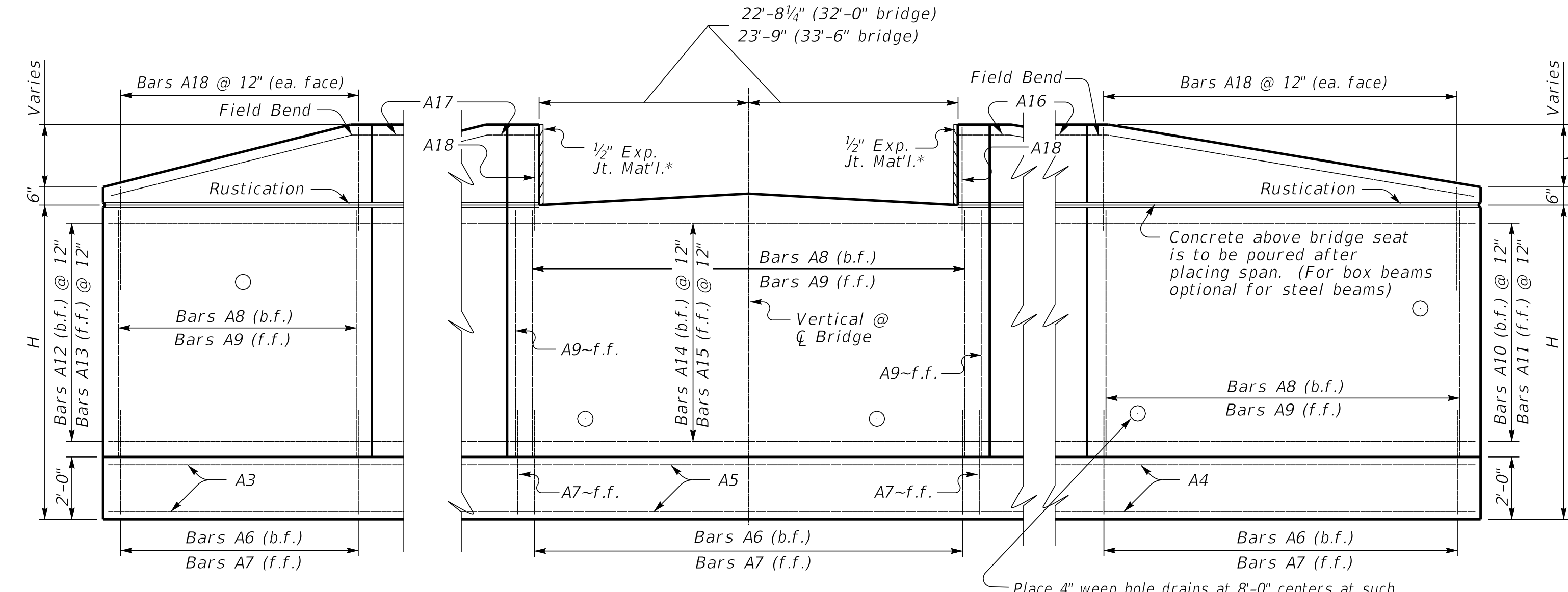
FOOTING ELEVATION: Construct bottom of footing below the anticipated scour elevation. (This typically entails embedding the footings 1'-0" to 2'-0" into rock and pouring concrete directly against cut rock faces as recommended by geotechnical engineer.)

NOTE: Distances to bars shown are clear dimensions unless otherwise noted.

MATERIAL SPECIFICATIONS:
Concrete, Class "A" = 3500 psi
Steel Reinforcement = Grade 60



RUSTICATION GROOVE



ELEVATION

Place 4" weep hole drains at 8'-0" centers at such elevation as to afford best drainage of backfill, in accordance with the Standard Specifications.

*Expansion Joint Material:
AASHTO M153
Type-I Sponge Rubber
Type-II Cork permitted with contractor provided documentation that the Build America Buy America requirements are satisfied.

SUBMITTED *Michael Crist* 10/25/2024
DIVISION DIRECTOR DATE