

30° SKEW 24'-0" - 25'-6" BRIDGE WIDTH 2:1 FILL SLOPES

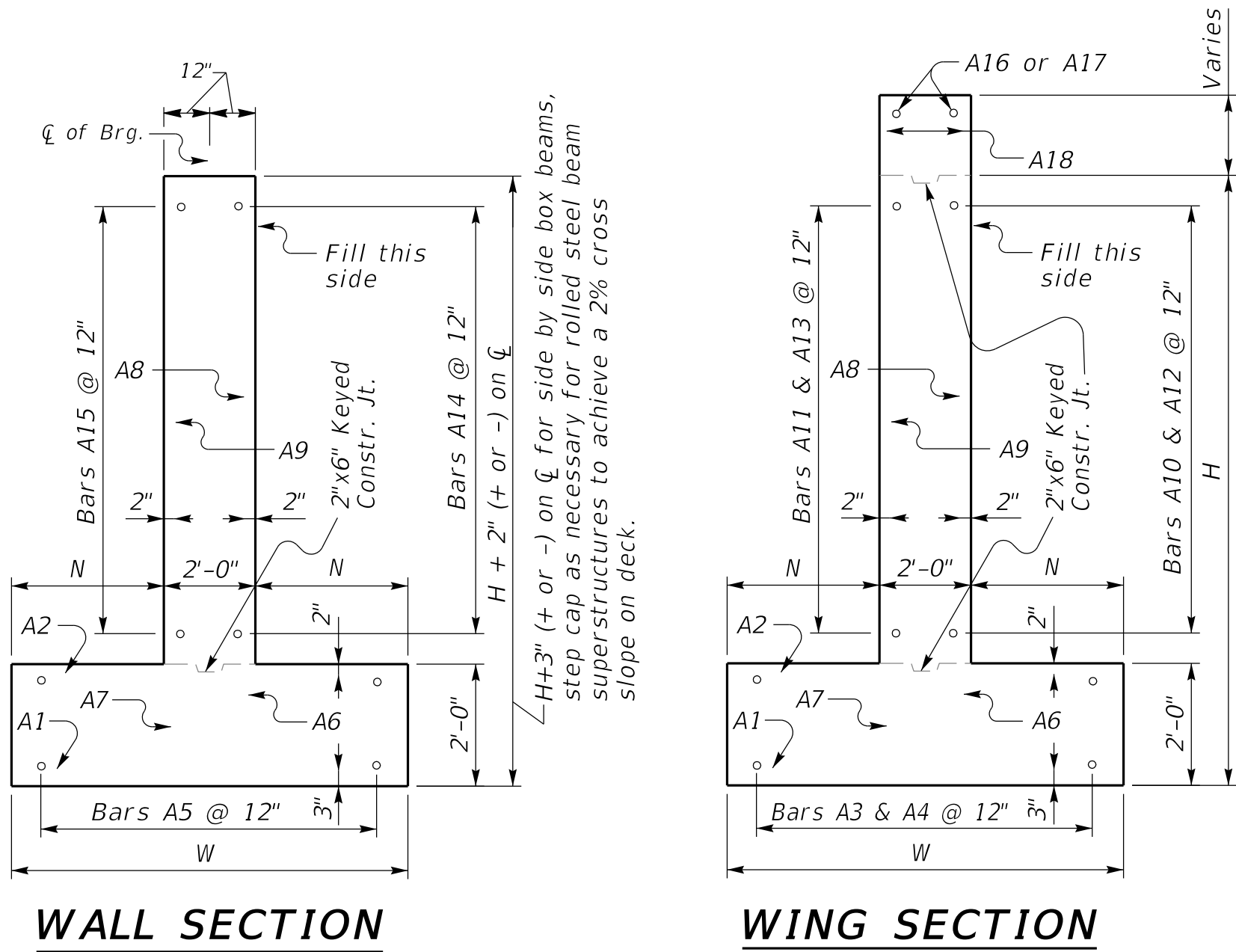
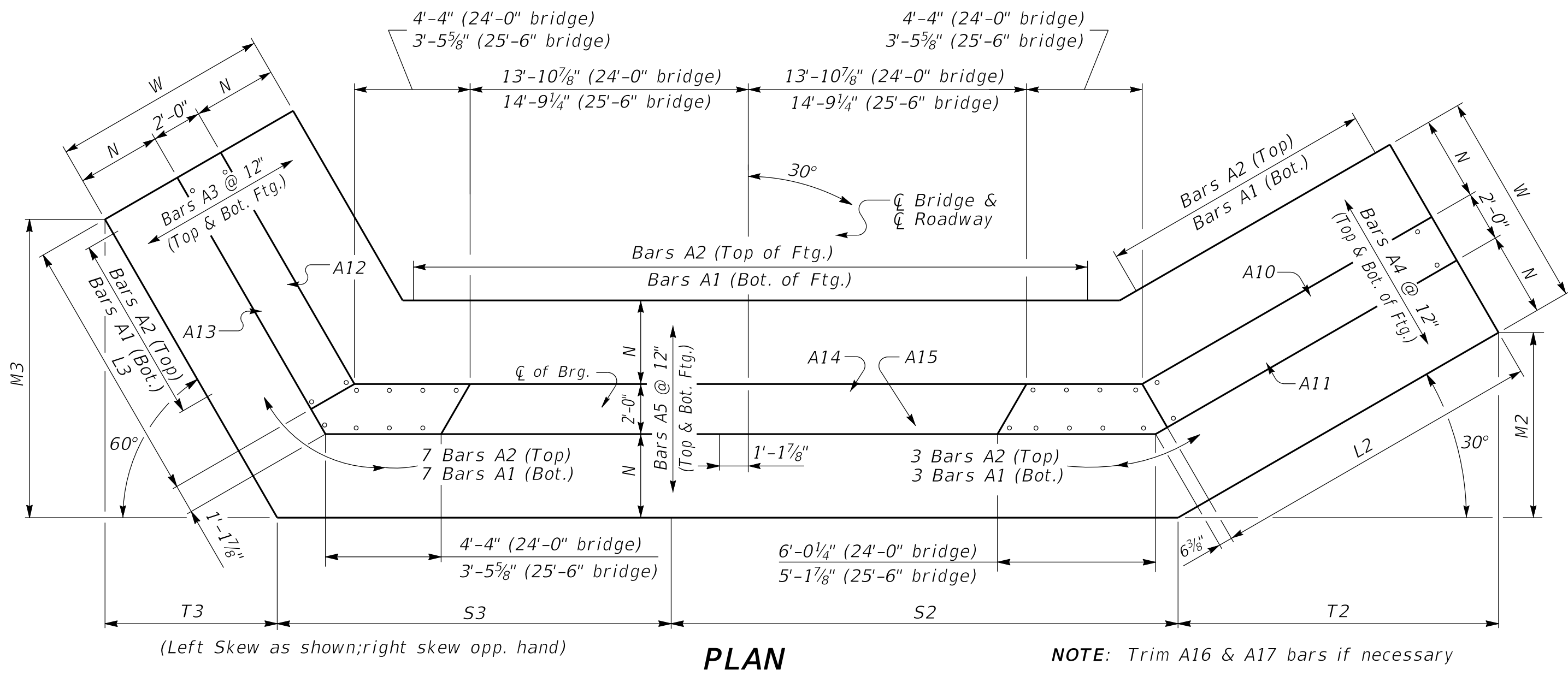
Bill of Reinforcement																												Reinforcement Details												Table of Dimensions																																					
MARK	A1	A2		A3	A4	A5	A6				A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18																																																							
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SIZE				#5	#5	#5							#5	#5	#5	#5	#5	#5	#5	#5	#5	#5																																																							
H	No	Size	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length																																														
	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.																																													
15-16	86	10	11	8	12	86	7	11	8	12	24	20	11	24	31	2	24	42	7	83	9	9	11	12	8	1/8	1	10	0	11	3/8	8	6	86	5	4	11	12	83	6	12	10	12	86	12	10	12	14	32	10	14	30	4	14	19	8	14	18	11	14	43	3	14	39	11	2	35	6	2	22	5	121	5	9			
13-14	79	9	10	8	12	79	7	10	8	12	22	17	8	22	27	1	22	42	2	76	8	8	3	12	6	11	1	3	0	8	7	3	79	5	4	11	12	76	6	10	10	12	79	10	10	12	12	28	10	12	26	4	12	16	8	12	15	11	12	43	4	12	39	11	2	31	6	2	19	5	107	5	9				
11-12	74	8	9	8	12	74	6	9	8	12	20	15	5	20	22	11	20	41	8	70	7	7	1	12	5	10	3/8	1	2	0	7	6	2	73	5	4	11	12	70	5	8	10	12	73	8	10	12	10	24	10	10	22	4	10	14	8	10	13	11	10	43	4	10	39	11	2	27	6	2	17	5	95	5	9			
9-10	70	7	8	8	12	70	5	8	8	12	18	13	1	18	19	10	18	41	3	65	6	6	1	12	5	1	1	0	0	6	5	4	68	5	4	11	12	65	5	6	10	12	68	6	10	12	8	21	10	8	19	4	8	12	8	11	11	8	43	4	8	39	11	2	24	6	2	15	5	85	5	9					
7-8	65	6	7	2	12	65	5	7	2	12	16	10	6	16	14	2	16	40	4	58	5	5	7	12	4	8	1/2	0	10	0	5	4	11	61	5	4	11	12	58	5	4	10	12	61	4	10	12	6	16	11	6	14	4	6	10	8	6	9	11	6	43	5	6	39	11	2	19	6	2	13	5	71	5	9			
5-6	60	5	6	2	12	60	5	6	2	12	14	8	3	14	11	0	14	39	11	53	5	5	7	12	4	8	1/2	0	10	0	5	4	11	56	5	4	11	12	53	5	2	10	12	56	2	10	12	4	13	11	4	11	4	8	4	7	11	4	43	5	4	39	11	2	16	6	2	11	5	61	5	9					

TYPE ④

TYPE ⑦

TYPE ⑧

4 foot min. shoulder



		Quantities									
H		Concrete*					Reinforcement				
		C.Y.					LBS.				
5		41.7					3510				
6		45.7					3510				
7		58.9					4875				
8		63.3					4875				
9		83.2					7013				
10		88.1					7013				
11		105.5					9709				
12		110.8					9709				
13		131.7					13702				
14		137.4					13702				
15		162.5					18180				
16		168.7					18180				

*Concrete quantities computed using 21" beam depth on 1/2" pad & 24'-0" Bridge Width

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 25'-6" rolled steel beam bridge width.

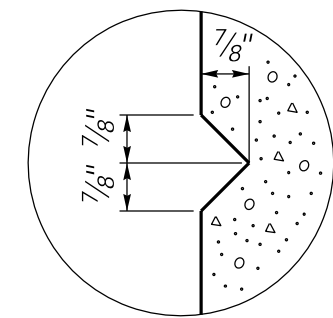
FOUNDATION PRESSURE: Construct abutment footings on solid rock bearing material that can support a pressure of 8000 psf service or 10,800 psf strength factored as recommended by a geotechnical engineer.

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.

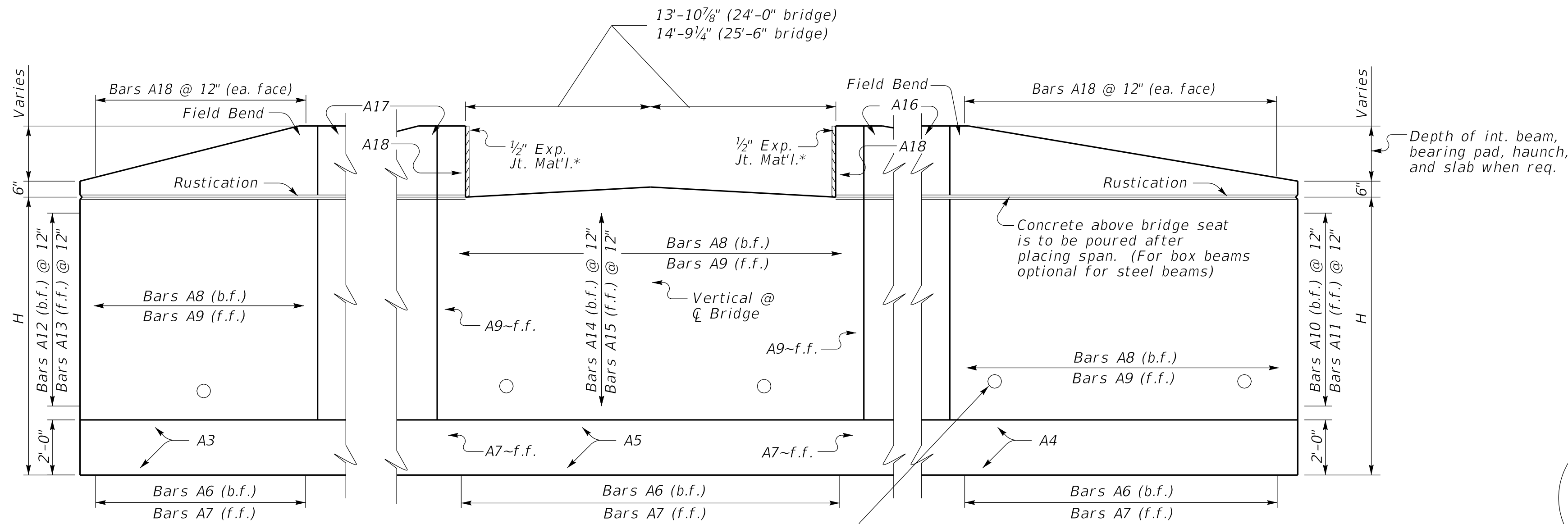
MATERIAL SPECIFICATIONS:
Concrete, Class "A" = 3500 psi
Steel Reinforcement = Grade 60



RUSTICATION GROOVE

*Expansion Joint Material:
AASHTO M153
Type-I Sponge Rubber

ELEVATION



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

30° SKEW 24'-0" - 25'-6" BRIDGE WIDTH ABUTMENT 2:1 FILL SLOPES, 4'-0" MIN. SHOULDER

STANDARD DRAWING NUMBER
BSA-108-01