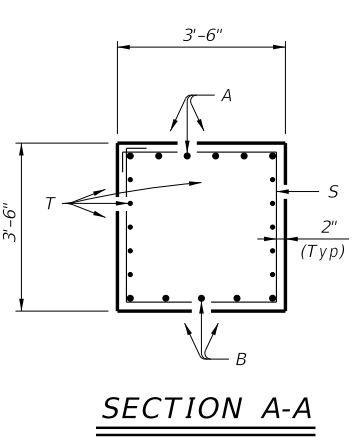
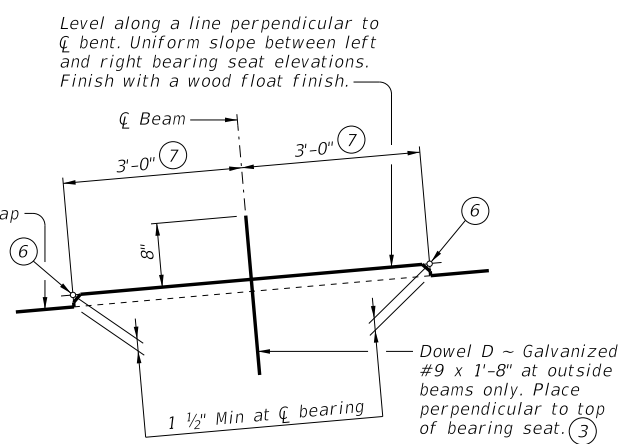
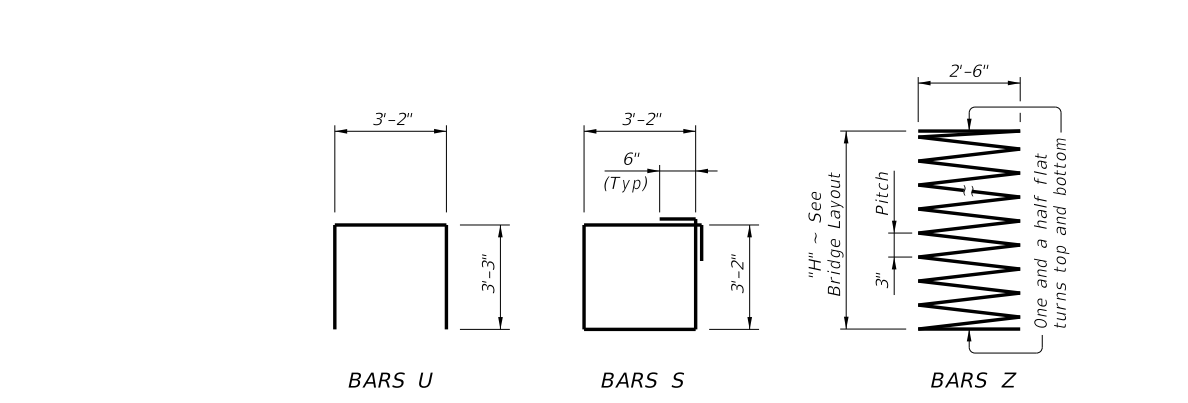
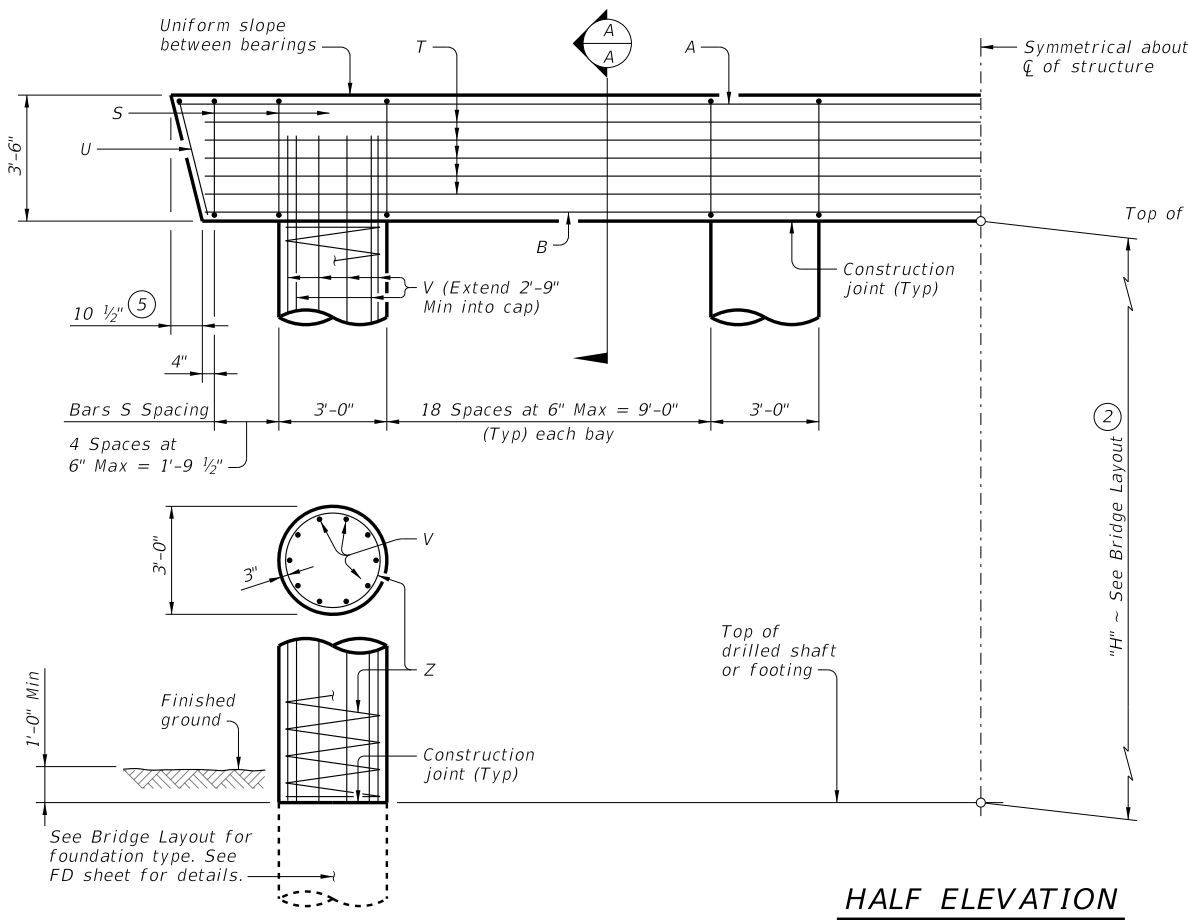
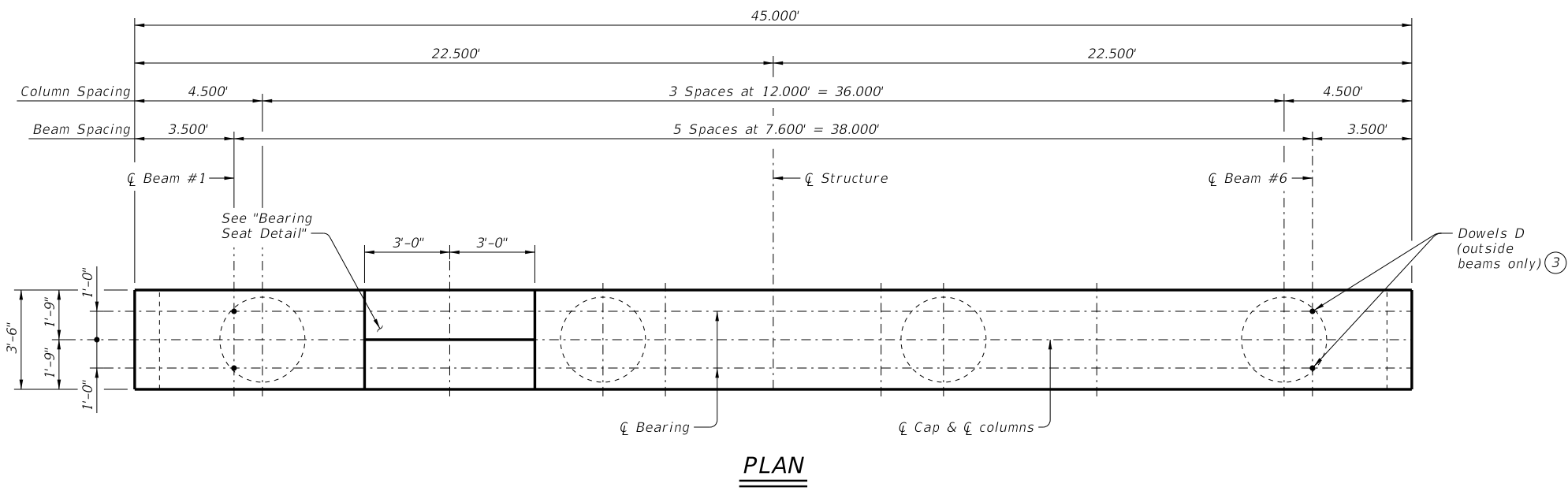


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Bar	No.	Size	Length	Weight	
A	6	#11	44'-6"	1,419	
B	5	#11	43'-0"	1,142	
D (3)	4	#9	1'-8"	23	
S	67	#5	13'-8"	955	
T	10	#5	43'-0"	448	
U	2	#5	9'-8"	20	
V	40	#9	38'-9"	5,270	
Z	4	#4	1154'-7"	3,085	
Reinforcing Steel				Lb	12,362
Class "C" Concrete (Cap)				CY	20.6
Class "C" Concrete (Col)				CY	37.7

Span Average	Drilled Shaft Loads	Pile Load (Tons/Pile)		
		3 Pile Ftg	4 Pile Ftg	5 Pile Ftg
40	126	46	35	29
45	137	50	38	31
50	147	53	40	33
55	157	56	43	35
60	167	60	45	37
65	177	63	48	39
70	187	66	50	41
75	197	70	53	43
80	207	73	55	45
85	217	76	58	47
90	227	79	60	49
95	236	83	63	51
100	246	86	65	53
105	256	89	68	55
110	266	93	70	57

MATERIAL NOTES:
 Provide Class C concrete ($f'c = 3,600$ psi).
 Provide Class C (HPC) concrete if shown elsewhere in the plans.
 Provide Grade 60 reinforcing steel.
 Galvanize dowel bars D.

GENERAL NOTES:
 Designed according to AASHTO LRFD Bridge Design Specifications. See Bridge Layout for foundation type, size and length. See Common Foundation Details (FD) standard for all foundation details and notes.
 See Shear Key Details (XBSK) standard sheet for all shear key details and notes if applicable.
 Bent selected must be based on the average span length, rounded up to the next 5-foot increment.
 These bent details may be used with standard SXB-44 only.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing bar dimensions shown are out-to-out of bar.

- BEARING SEAT DETAIL**
 (Remove all loose material and clean bearing surface before placing the bearing pad.)
- Quantities shown are based on an "H" value of 36'. For each linear foot variation in "H" value, make the following adjustments:
 Bars V length, 1'-0"
 Bars Z length, 31'-5"
 Reinforcing Steel, 220 lb
 Class C Concrete (Col), 1.05 CY
 - This standard may not be used for "H" heights exceeding 36'. In areas of very soft soil or where scour is anticipated, allowable "H" heights must be evaluated by the Engineer prior to the use of this standard.
 - Omit Dowels D at end of multi-span units. Adjust reinforcing steel total accordingly.
 - Foundation Loads based on "H" = 36'.
 - Measured parallel to top of cap cross-slope.
 - Right and left elevations and locations are provided elsewhere.
 - Measured along centerline of bearing.

HL93 LOADING

Texas Department of Transportation Bridge Division Standard

**INTERIOR BENTS
 PRESTR CONC X-BEAMS
 (TYPE 5XB20 THROUGH 5XB40)
 44' ROADWAY
 BXB-44**

FILE: XB-BXB4400-22.dgn	DN: BMP	CK: EFC	DW: JER	CK: BMP
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REVISIONS				
DIST	COUNTY			SHEET NO.

DATE: FILE: