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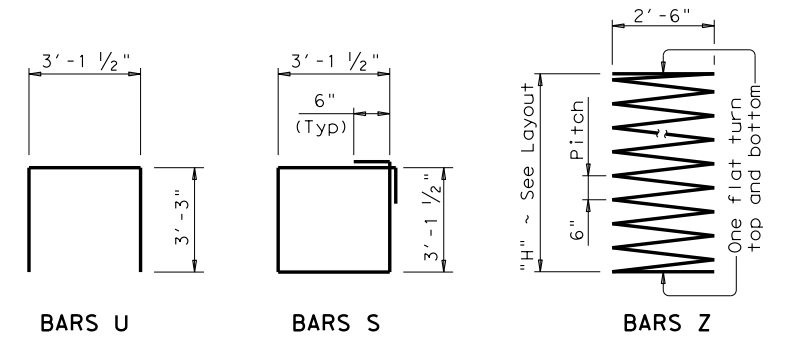
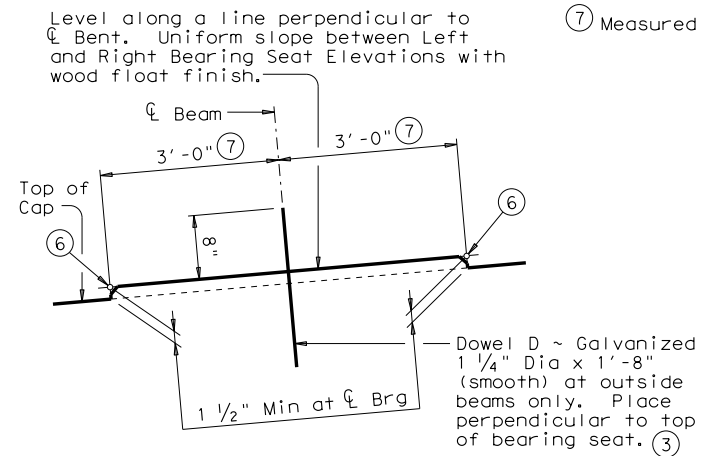
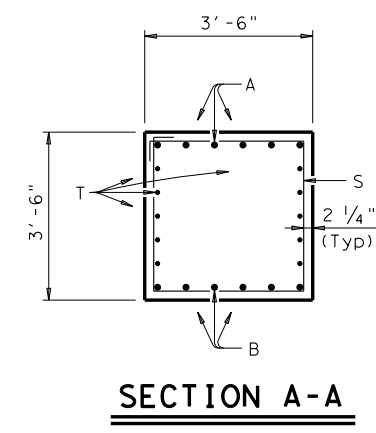
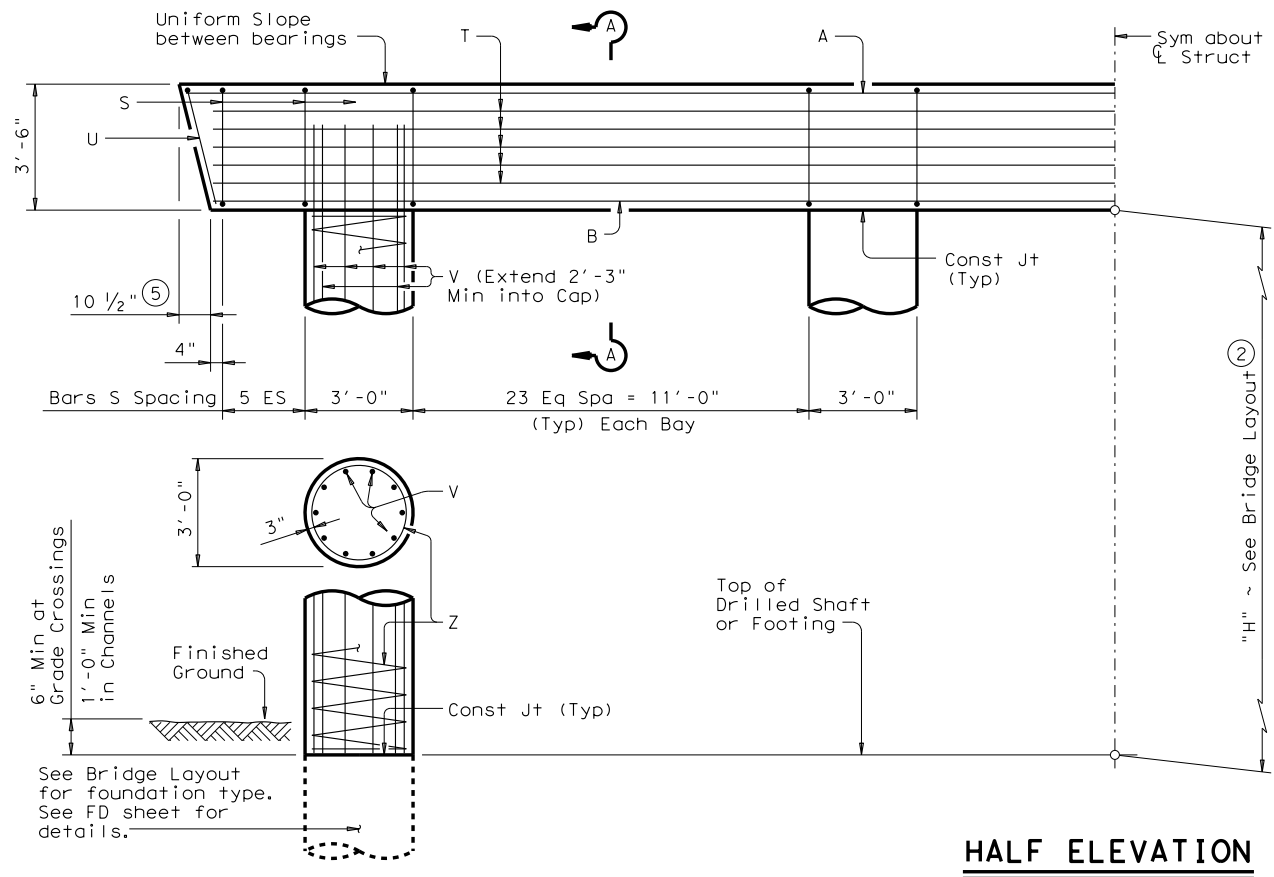
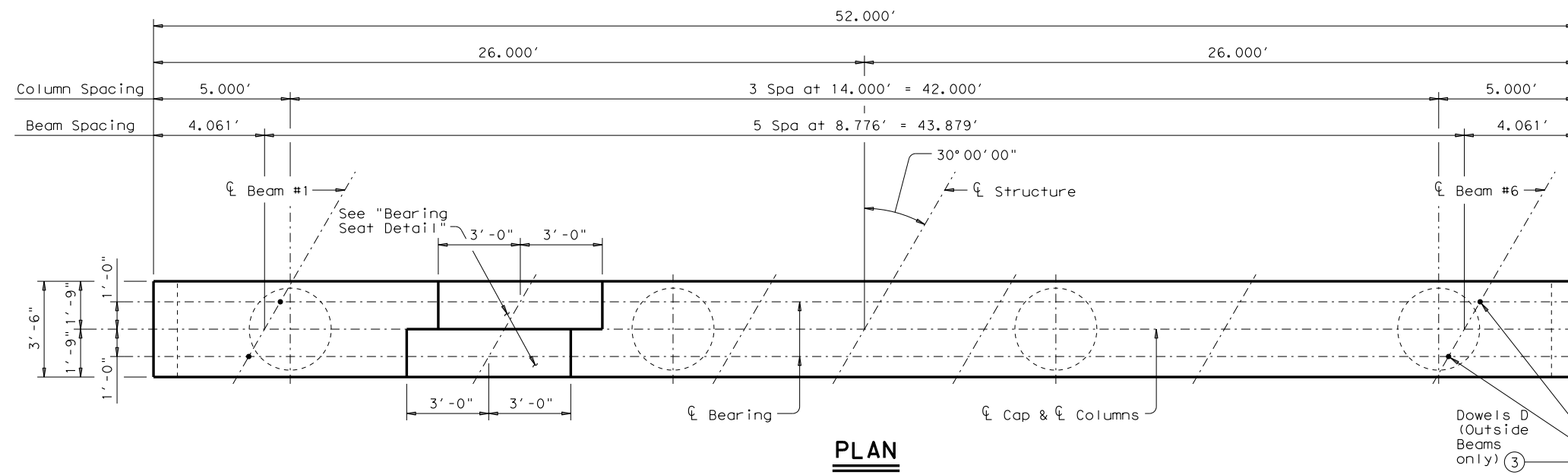


TABLE OF ESTIMATED QUANTITIES ①				
Bar	No.	Size	Length	Weight
A	6	#11	51'-6"	1,642
B	6	#11	50'-0"	1,594
D ③	4	1 1/4"D	1'-8"	28
S	84	#5	13'-6"	1,183
T	10	#5	50'-0"	522
U	2	#5	9'-8"	20
V	40	#9	38'-3"	5,202
Z	4	#3	583'-0"	877
Reinforcing Steel			Lb	11,068
Class "C" Concrete (Cap)			CY	23.8
Class "C" Concrete (Col)			CY	37.7

FOUNDATION LOADS ④				
Span Average	Drilled Shaft Loads	Pile Load (Tons/Pile)		
		3 Pile Ftg	4 Pile Ftg	5 Pile Ftg
Ft	Tons/Shaft			
40	125	45	34	28
45	134	48	37	30
50	144	51	39	32
55	154	55	42	34
60	164	58	44	36
65	173	61	46	38
70	183	64	49	40
75	192	67	51	42
80	202	71	54	44
85	211	74	56	46
90	221	77	58	47
95	230	80	61	49
100	240	83	63	51
105	249	86	65	53
110	259	89	68	55

- ① 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, 15.740'
Reinforcing Steel, 160 Lb
Class "C" Conc (Col), 1.047 CY
- ② 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.
- ③ Omit Dowels D at end of units. Adjust reinforcing steel total accordingly.
- ④ Foundation Loads based on "H" = 36'.
- ⑤ Measured parallel to top of cap cross-slope.
- ⑥ Right and left elevations and locations are provided elsewhere.
- ⑦ Measured along ℄ of Bearing.

GENERAL NOTES:
 Designed according to AASHTO LRFD Specifications.
 Concrete strength f'c = 3,600 psi.
 All Cap reinforcing must be Grade 60.
 Galvanize dowel bars D.
 Column and Drilled Shaft reinforcing may be Grade 40.
 See Bridge Layout for foundation type, size and length.
 See Foundation Detail standard FD for all foundation details and notes.
 Bent selected must be based on the average span length rounded up to the next 5 Ft increment.
 Details are drawn showing right forward skew.
 See Bridge Layout for actual skew direction.
 These bent details may be used with Standard SXB-44-30 only.

HL93 LOADING

Texas Department of Transportation

Bridge Division Standard

INTERIOR BENTS
 TYPE 5XB20 THRU 5XB40
 PRESTR CONC X-BEAMS
 44' ROADWAY 30° SKEW

BXB-44-30

FILE: xbstde76.dgn	DN: JMH	CK: AM	DW: JTR	CK: JMH
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REVISIONS				
	DIST	COUNTY		SHEET NO.