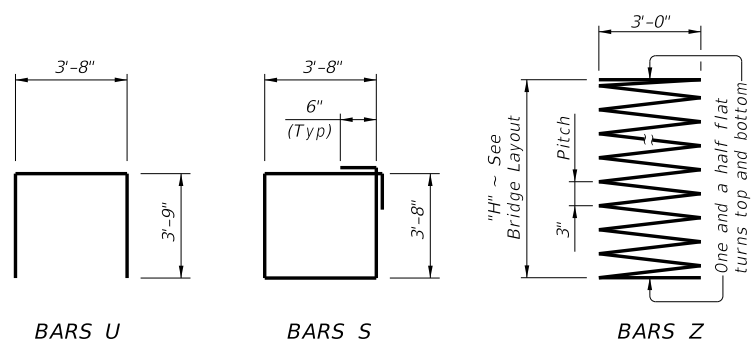
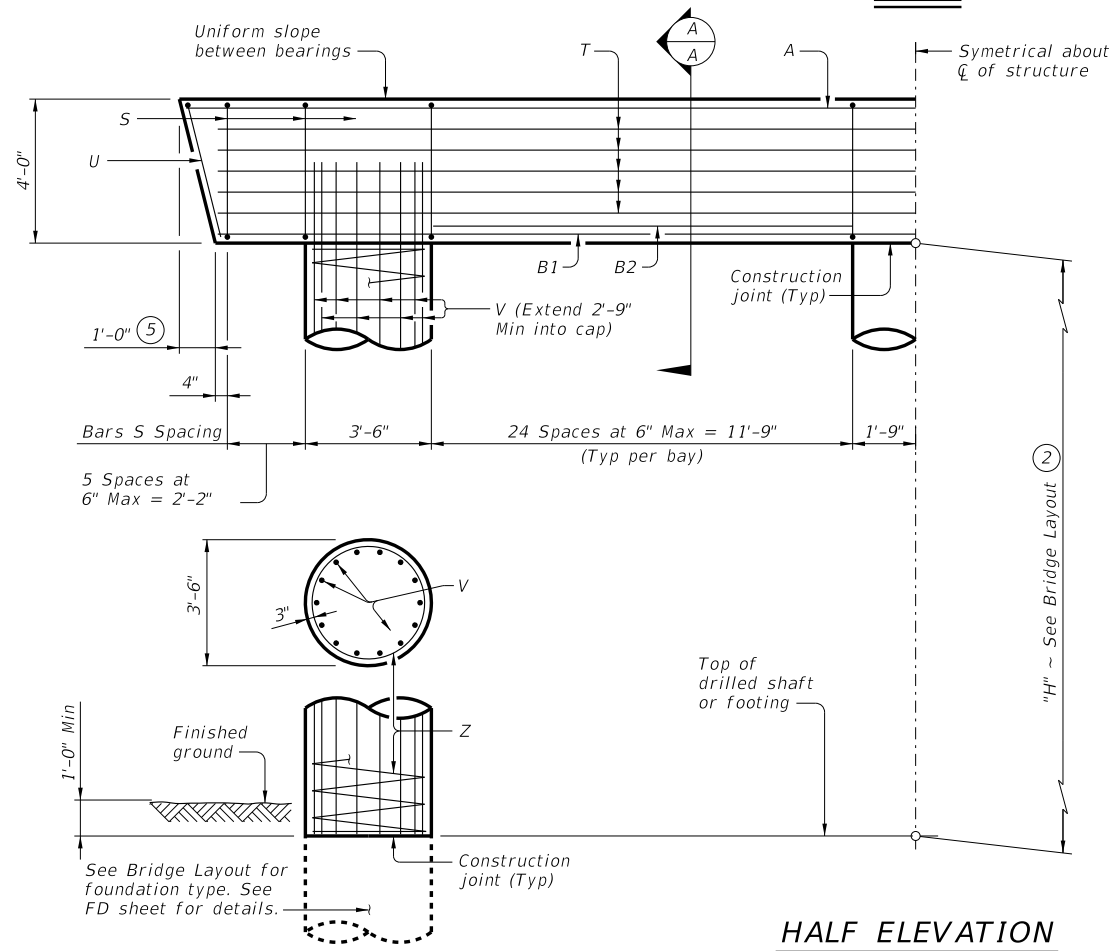
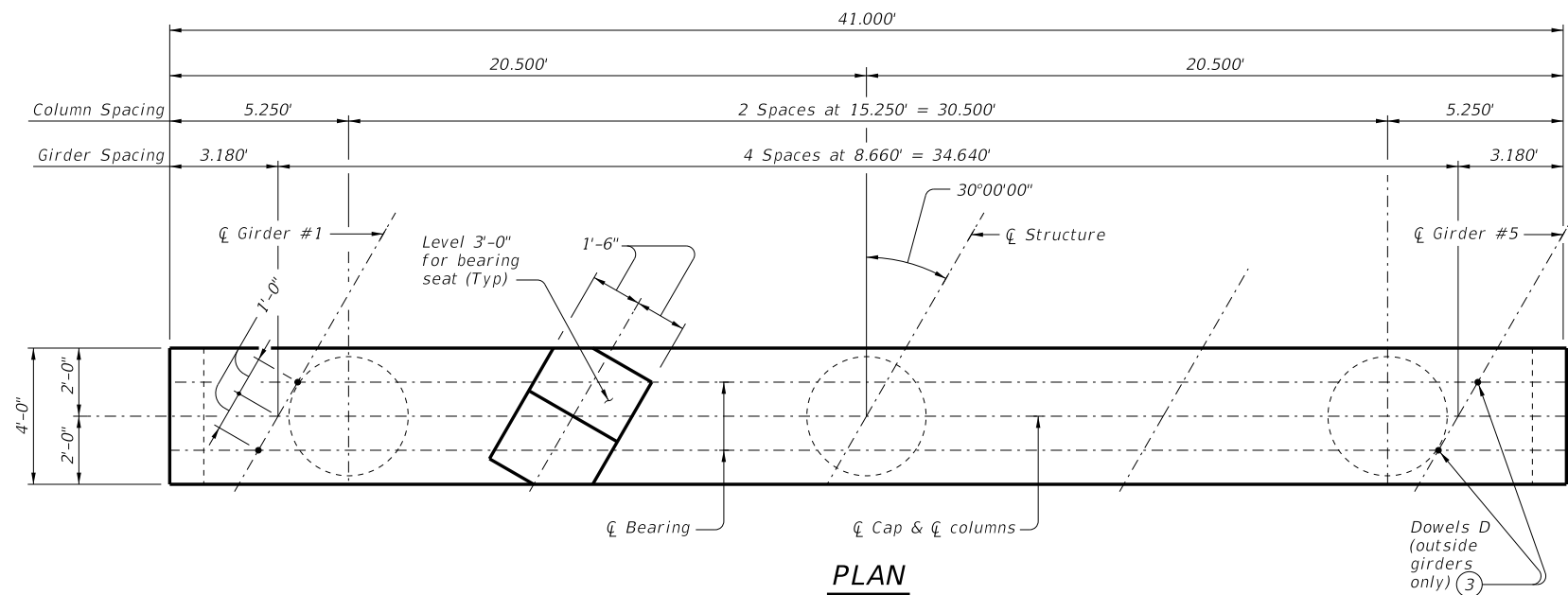
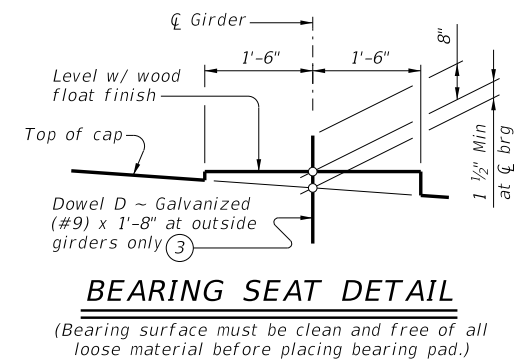
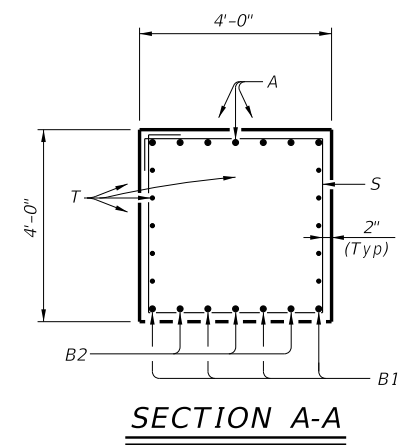


DISCLAIMER: This standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.



- 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, 37'-9"  
 Reinforcing steel, 219 Lb  
 Class "C" conc (col), 1.07 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 multi-span units. Adjust reinforcing steel total accordingly.
- ④ Foundation Loads based on "H" = 36'.
- ⑤ Measured parallel to top of cap cross-slope.



Bar	No.	Size	Length	Weight	
A	7	#11	40'-6"	1,506	
B1	4	#11	38'-9"	824	
B2	6	#11	14'-0"	446	
D ③	4	#9	1'-8"	23	
S	62	#5	15'-8"	1,013	
T	10	#5	38'-9"	404	
U	2	#5	11'-2"	23	
V	42	#9	38'-9"	5,534	
Z	3	#4	1387'-3"	2,780	
Reinforcing Steel				Lb	12,553
Class "C" Concrete (Cap)				CY	24.0
Class "C" Concrete (Col)				CY	38.5

Span Average	Drilled Shaft Loads	Pile Load (Tons/Pile)	
		4 Pile Ftg	5 Pile Ftg
Ft	Tons/Shaft		
60	177	47	39
65	187	50	41
70	197	52	43
75	206	55	44
80	216	57	46
85	226	60	48
90	235	62	50
95	245	64	52
100	254	67	54
105	264	69	56
110	274	72	58
115	283	74	60
120	293	76	62
125	302	79	64
130	312	81	66
135	321	83	67

**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 sheet for all foundation details and notes.  
 See Shear Key (IGSK) 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 ft increment.  
 Details are drawn showing right forward skew. See Bridge Layout for actual skew direction.  
 These bent details may be used with standard SIG-62-34-30 only.

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

HL93 LOADING

Texas Department of Transportation  
 Bridge Division Standard

**INTERIOR BENTS  
 TYPE TX62  
 PRESTR CONC I-GIRDERS  
 34' ROADWAY 30° SKEW**

**BIG-62-34-30**

FILE: IG-BIG623430-23.dgn	DN: TAR	CK: VC	DW: SFS	CK: TAR
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REVISIONS				
	DIST	COUNTY		SHEET NO.

DATE:  
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