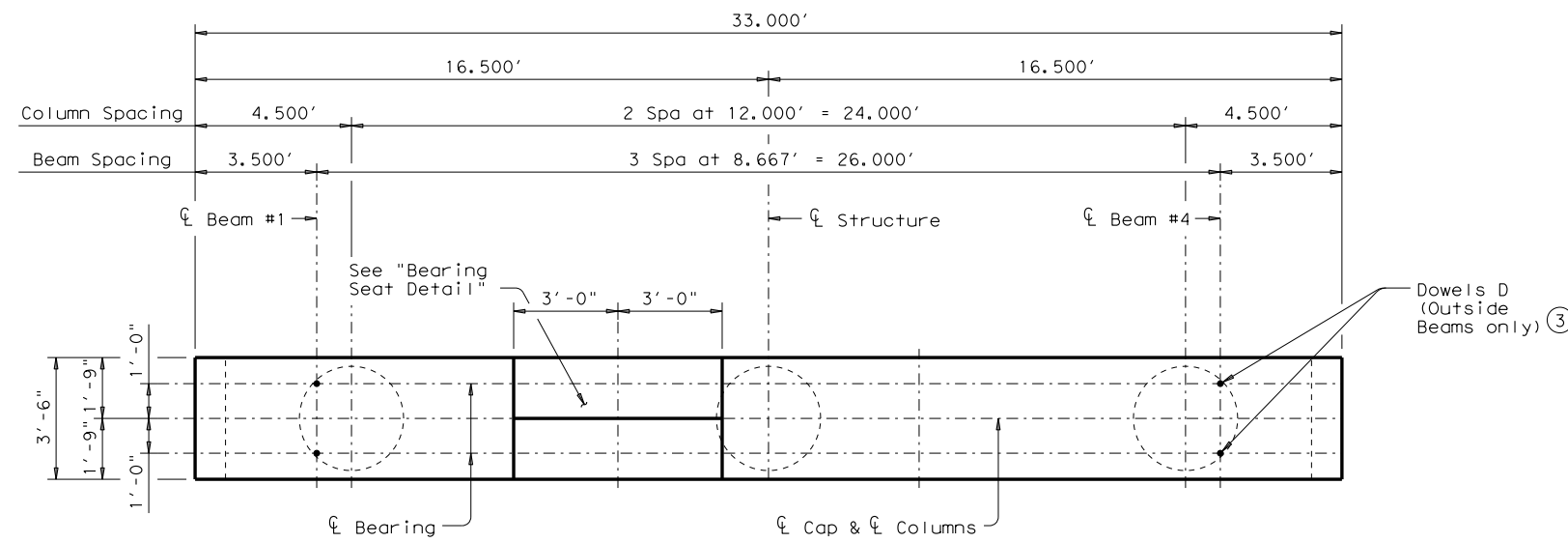
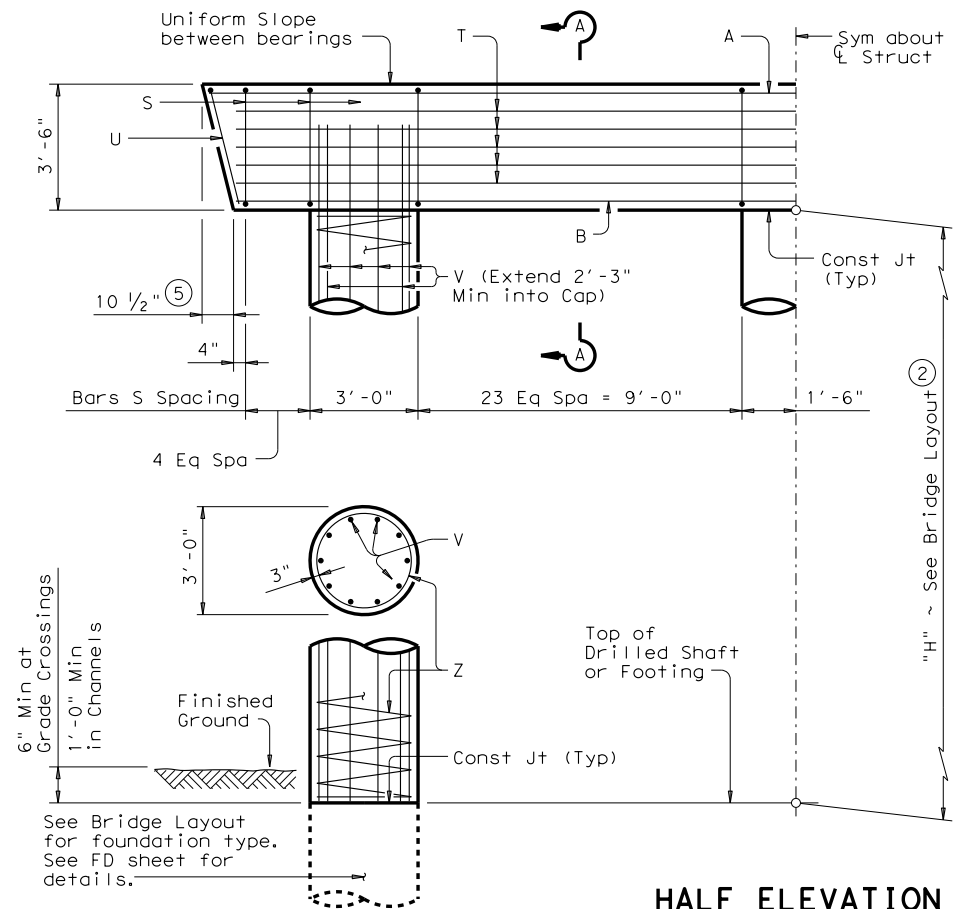


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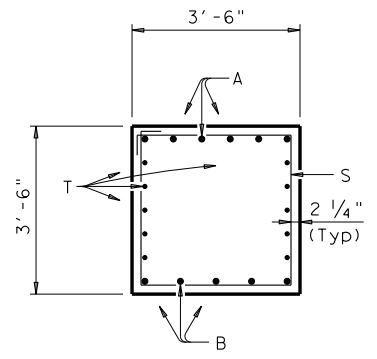
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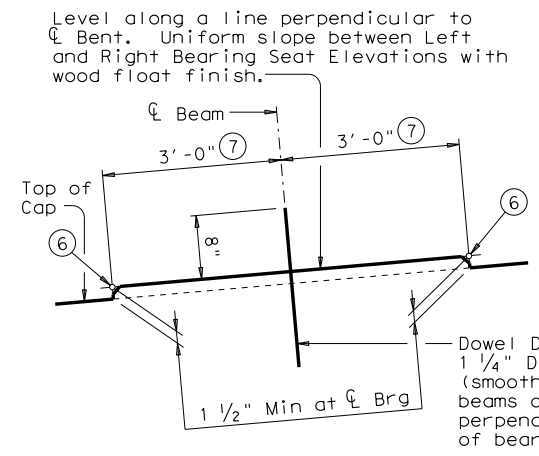
PLAN



HALF ELEVATION

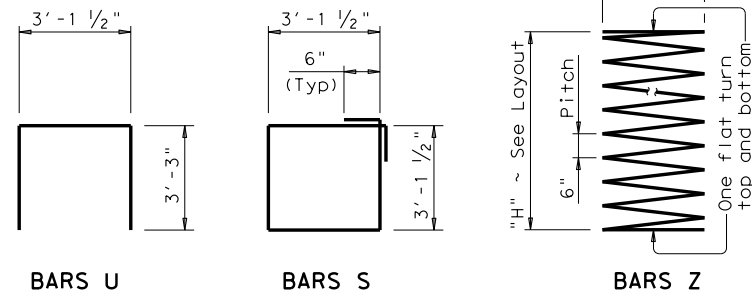


SECTION A-A



BEARING SEAT DETAIL

(Bearing surface must be clean and free of all loose material before placing bearing pad.)



BARS U

BARS S

BARS Z

- 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, 120 Lb
 Class "C" Conc (Col), 0.785 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 $\bar{\ell}$ of Bearing.

TABLE OF ESTIMATED QUANTITIES ①				
Bar	No.	Size	Length	Weight
A	6	#11	32'- 6"	1,036
B	5	#11	31'- 0"	824
D ③	4	1 1/4"D	1'- 8"	28
S	58	#5	13'- 6"	817
T	10	#5	31'- 0"	323
U	2	#5	9'- 8"	20
V	30	#9	38'- 3"	3,902
Z	3	#3	583'- 0"	658
Reinforcing Steel			Lb	7,608
Class "C" Concrete (Cap)			CY	15.0
Class "C" Concrete (Col)			CY	28.3

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	121	44	33	27
45	130	47	36	29
50	140	50	38	31
55	149	53	40	33
60	159	56	43	35
65	168	59	45	37
70	177	62	47	39
75	186	65	50	41
80	195	68	52	42
85	205	71	54	44
90	214	74	57	46
95	223	77	59	48
100	232	81	61	50
105	241	84	63	51

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.
 These bent details may be used with Standard SXB-32 only.

HL93 LOADING

Texas Department of Transportation
 Bridge Division Standard

INTERIOR BENTS
 TYPE 5XB20 THRU 5XB40
 PRESTR CONC X-BEAMS
 32' ROADWAY
 BXB-32

FILE: xbstde44.dgn	DN: JMH	CK: AM	DW: JTR	CK: JMH
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REVISIONS		DIST	COUNTY	SHEET NO.