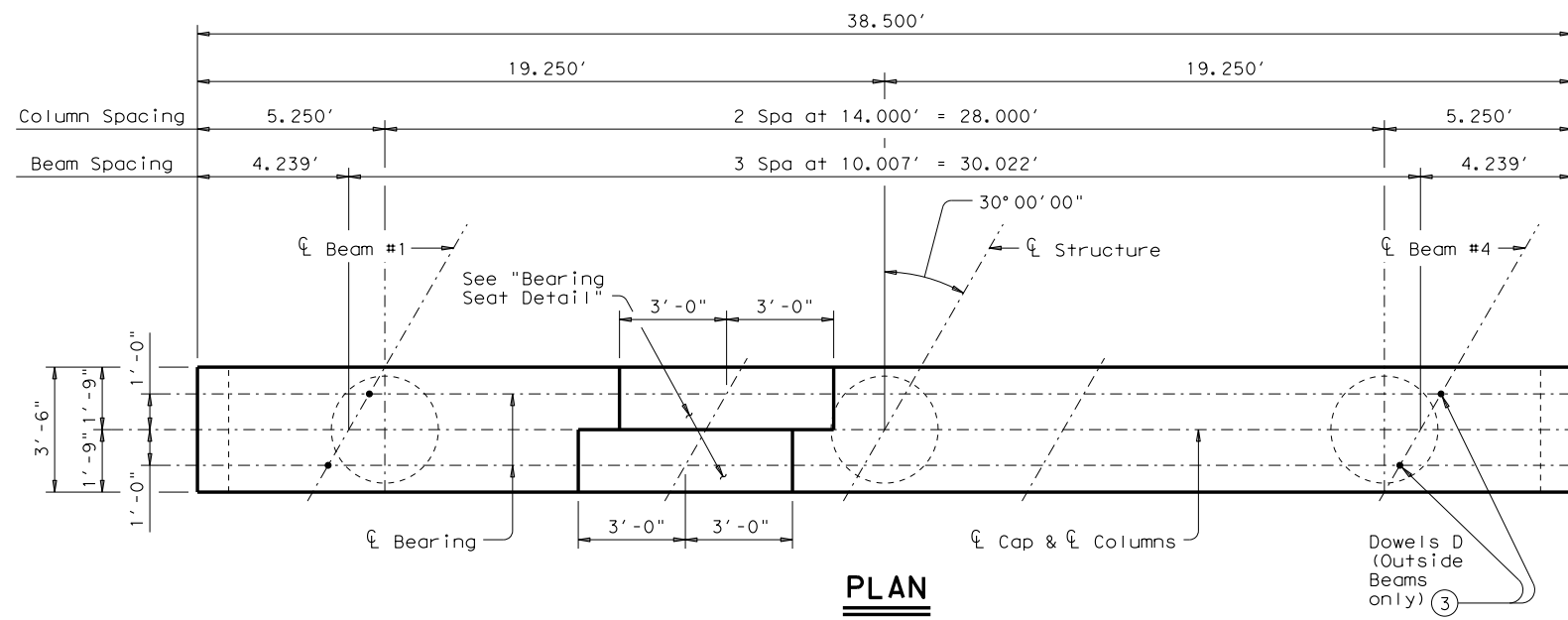
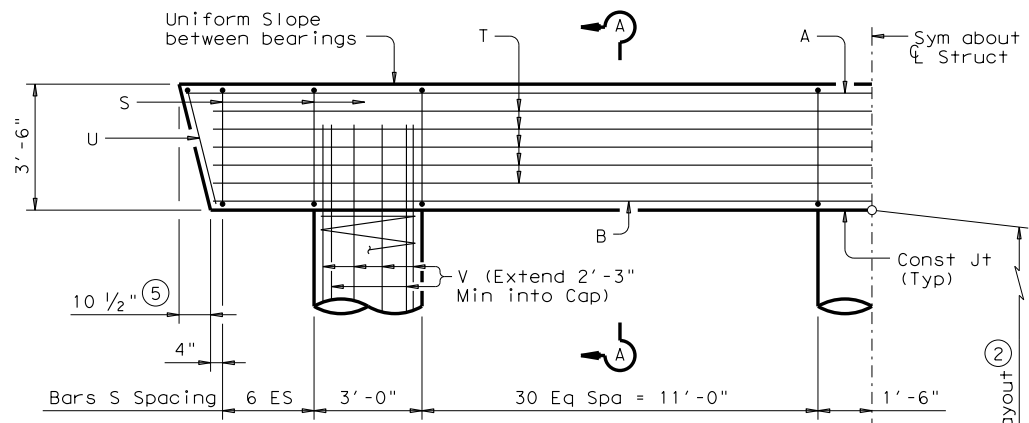


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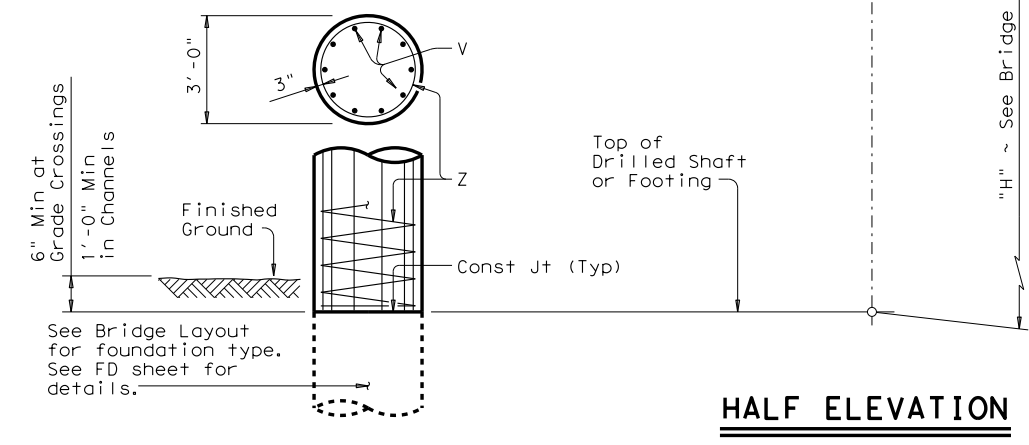
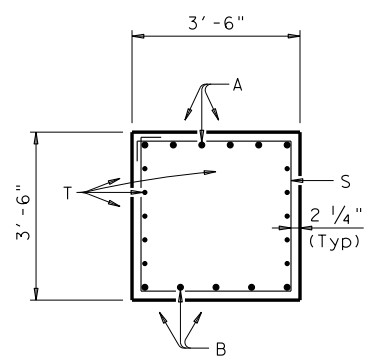
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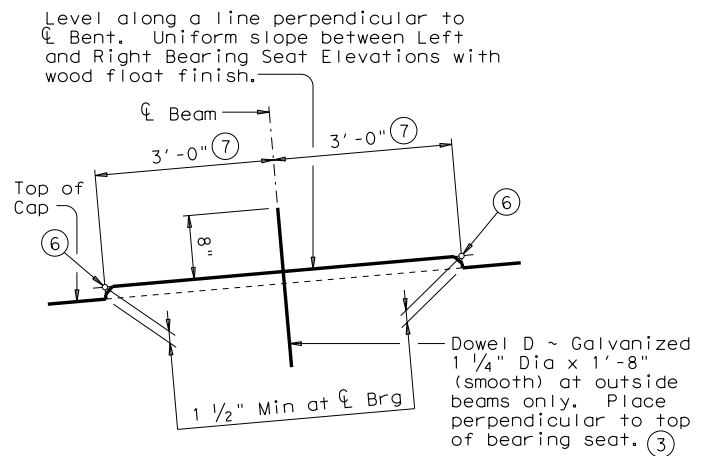
PLAN



SECTION A-A



HALF ELEVATION



BEARING SEAT DETAIL

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

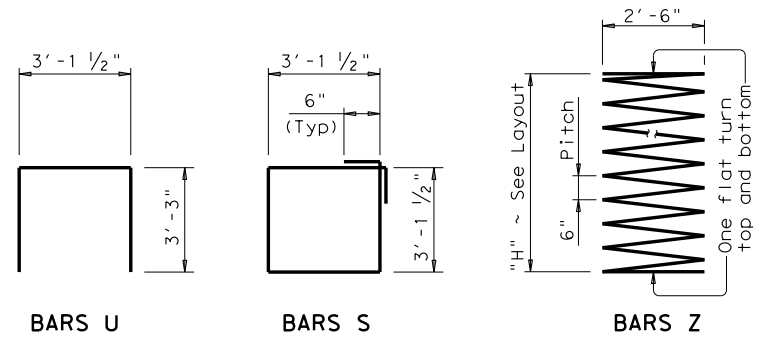


TABLE OF ESTIMATED QUANTITIES ①				
Bar	No.	Size	Length	Weight
A	6	#11	38'-0"	1,211
B	5	#11	36'-6"	970
D ③	4	1 1/4"D	1'-8"	28
S	76	#5	13'-6"	1,070
T	10	#5	36'-6"	381
U	2	#5	9'-8"	20
V	30	#9	38'-3"	3,902
Z	3	#3	583'-0"	658
Reinforcing Steel			Lb	8,240
Class "C" Concrete (Cap)			CY	17.5
Class "C" Concrete (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	122	44	34	28
45	132	47	36	30
50	141	50	38	32
55	151	53	41	33
60	160	57	43	35
65	169	60	45	37
70	178	63	48	39
75	188	66	50	41
80	197	69	52	43
85	206	72	55	44
90	215	75	57	46
95	224	78	59	48
100	233	81	61	50
105	242	84	64	52

- 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
- 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 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.

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-32-30 only.

HL93 LOADING

Texas Department of Transportation
 Bridge Division Standard

INTERIOR BENTS
 TYPE 5XB20 THRU 5XB40
 PRESTR CONC X-BEAMS
 32' ROADWAY 30° SKEW
 BXB-32-30

FILE: xbstde46.dgn	DN: JMH	CK: AM	DW: JTR	CK: JMH
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REVISIONS	DIST	COUNTY	SHEET NO.	