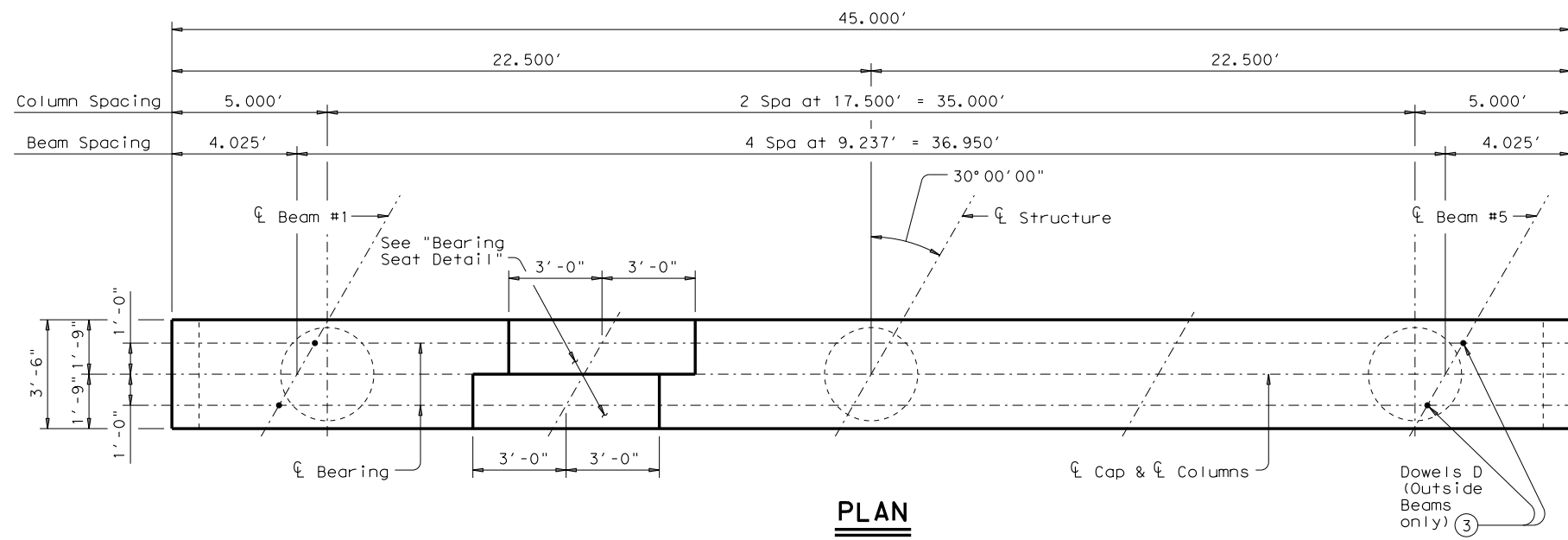


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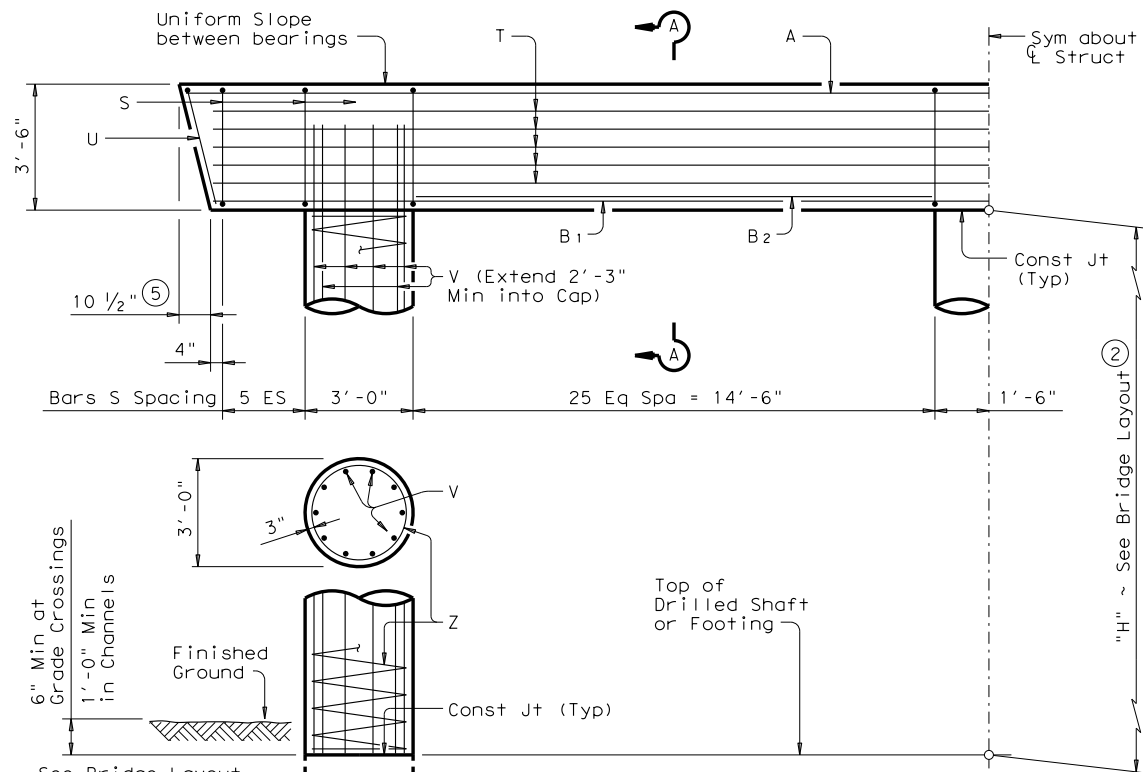
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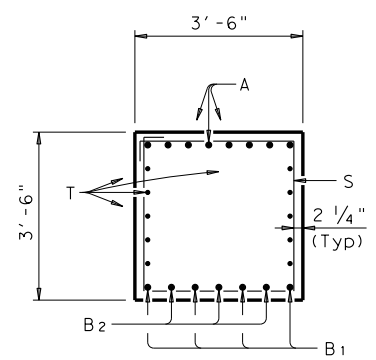
PLAN

- 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 ℓ of Bearing.

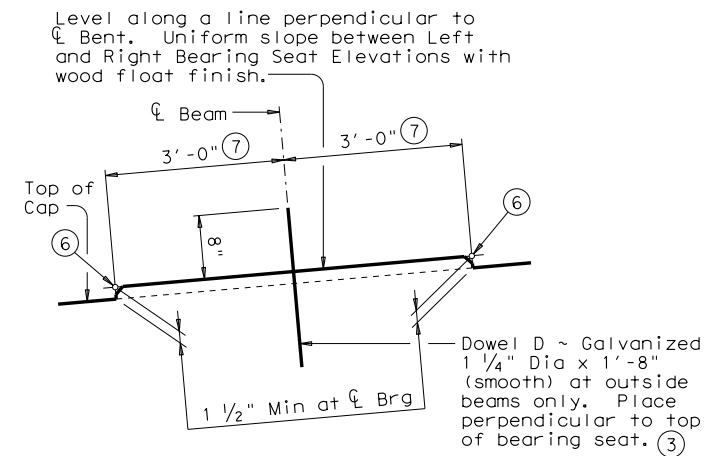
TABLE OF ESTIMATED QUANTITIES ①				
Bar	No.	Size	Length	Weight
A	8	#11	44'- 6"	1,891
B ₁	4	#11	43'- 0"	914
B ₂	6	#11	14'- 6"	462
D ③	4	1 1/4"D	1'- 8"	28
S	64	#5	13'- 6"	901
T	10	#5	43'- 0"	448
U	2	#5	9'- 8"	20
V	30	#9	38'- 3"	3,902
Z	3	#3	583'- 0"	658
Reinforcing Steel			Lb	9,224
Class "C" Concrete (Cap)			CY	20.5
Class "C" Concrete (Col)			CY	28.3



HALF ELEVATION

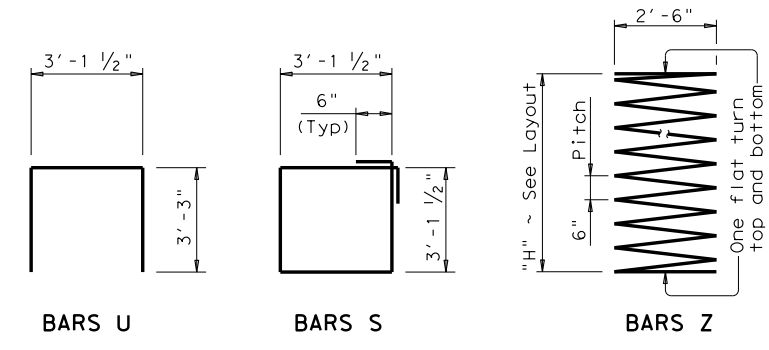


SECTION A-A



BEARING SEAT DETAIL

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



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	145	51	39	32
45	156	55	42	35
50	168	59	45	37
55	179	63	48	39
60	190	67	51	41
65	202	70	54	44
70	213	74	56	46
75	224	78	59	48
80	235	82	62	50
85	246	85	65	52
90	257	89	67	55
95	268	93	70	57
100	279	96	73	59
105	290	100	76	61

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-38-30 only.

HL93 LOADING

Bridge Division Standard

INTERIOR BENTS
TYPE 5XB20 THRU 5XB40
PRESTR CONC X-BEAMS
38' ROADWAY 30° SKEW
BXB-38-30

FILE: xbstde56.dgn	DN: JMH	CK: AM	DW: JTR	CK: JMH
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REVISIONS	DIST	COUNTY	SHEET NO.	