



Drill or flame cut the holes. Grind area around flame cut holes to remove burrs. Tie or wedge tightly the reinforcing bar against the top of the hole.



REINF. STEEL SCHED.							
(Reinforcing Quantities are for one bent only)							
MARK	EB 1 NO. REQ'D	EB 8 NO. REQ'D	DIMENSION				LENGTH
			"a"	"b"	"c"	"d"	
A1601	6	6	49'-1"	—	—	—	49'-1"
A1901	20	20	7'-7"	—	—	—	7'-7"
A2501	90	90	1'-8"	—	—	—	1'-8"
A2901	9	9	49'-1"	—	—	—	49'-1"
C1901	8	8	5'-1"	3'-2"	—	—	8'-3"
C1902	8	8	7'-7"	3'-2"	—	—	10'-9"
J1601	18	—	8"	4'-6 ¹ / ₂ "	—	—	9'-9"
J1602	—	18	8"	4'-3 ¹ / ₂ "	—	—	9'-3"
J2901	5	5	7'-2"	2'-0"	—	—	11'-2"
S1601	63	63	2'-8"	2'-7"	0'-8"	—	11'-10"
SA1601	18	18	2'-8"	2'-7"	0'-7"	—	9'-0"
V1901	12	12	1'-10"	—	—	—	3'-8"

QUANTITIES			
ITEM	UNIT	BENT 1	BENT 8
Concrete, Class 5000	CY	18.8	18.6
Reinforcing Steel	LB	4,051	4,042
Pile Driving Set-up	EA	6	6
Dynamic Pile Analyzer Test Set-up	EA	2	2
Steel Piling (HP14x73) (4)	LF	185	190
Steel Index Piling (HP14x73) (4)	LF	39	40

Note:

HP14x73 Steel Piling to conform to the latest AASHTO Specifications for M270 Steel and have a Minimum Yield Strength of 50 ksi.

HP piles are numbered from left to right looking in direction of stationing.

For Index Pile and pile installation requirements, see Geotechnical Notes on Sh. 19.

For Reinforcing Bending Details, see Sh. 4.

For A2501 dowel bar details, see Sh. 3.

UND - Unless Noted Otherwise.

EB 1 - End Bent 1

EB 8 - End Bent 8

- ① Construction joint. Cast bottom portion of Wing Wall with End Bent Cap. Cast top portion of Wing Wall after Deck slab and Approach slab have been constructed. See Sh. 3 for Construction Joint detail.
- ② 2'-5 $\frac{1}{8}$ " at \odot End Bent 1, and 2'-2 $\frac{1}{8}$ " at \odot End Bent 8.
- ③ Piles to be embedded a minimum of 1'-6" and a maximum of 2'-0" into the end bent cap. See this Sh. for pile anchorage details.
- ④ Pile length calculated based on an assumed pile embedment of 2'-0".

REV.				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
REV.				
REV.				
REV.				
REVIEWED				END BENTS 1 AND 8
QUAN.	TL	GFD	12-16	
DR.	TL	GFD	12-16	
DES.	TL	GFD	12-16	
BY CHK. DATE				COUNTY
				ORANGEBURG
				ROUTE
				US 301