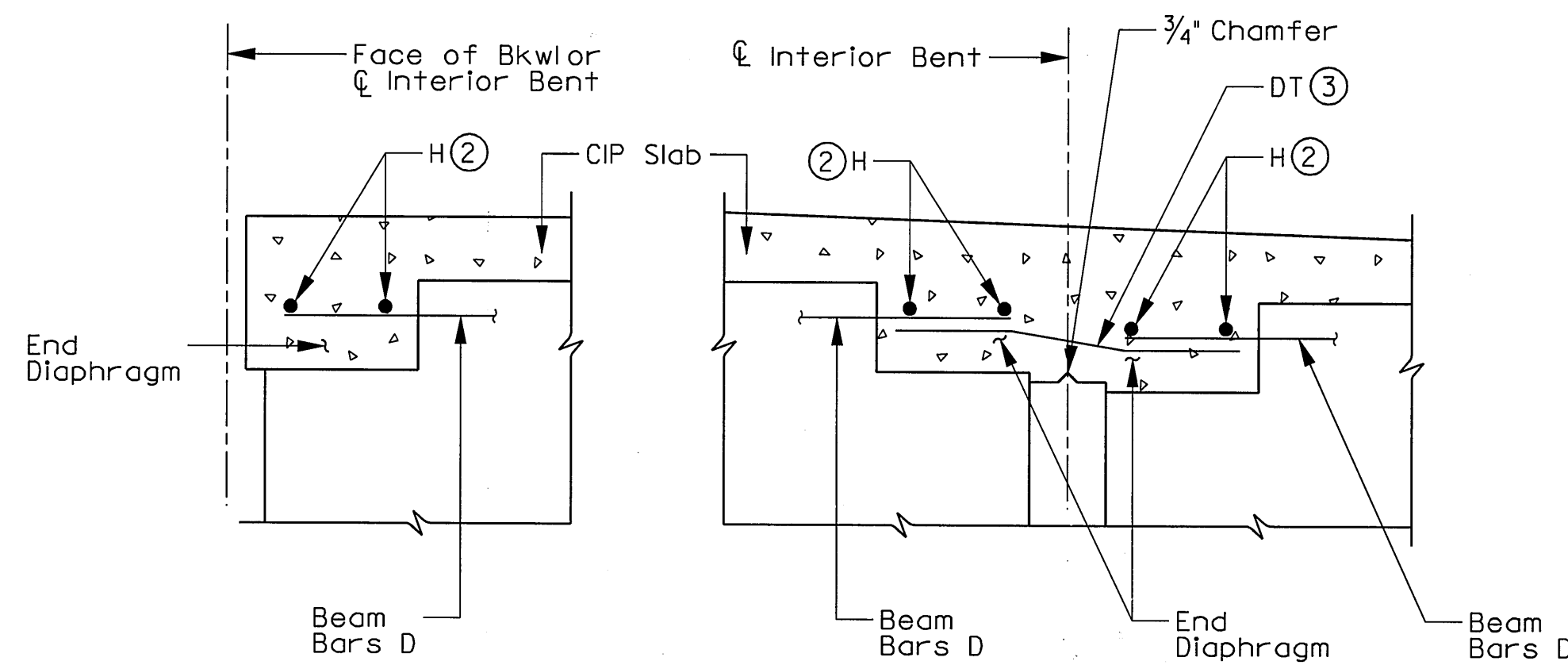


TABLE OF ESTIMATED QUANTITIES - UNIT 1

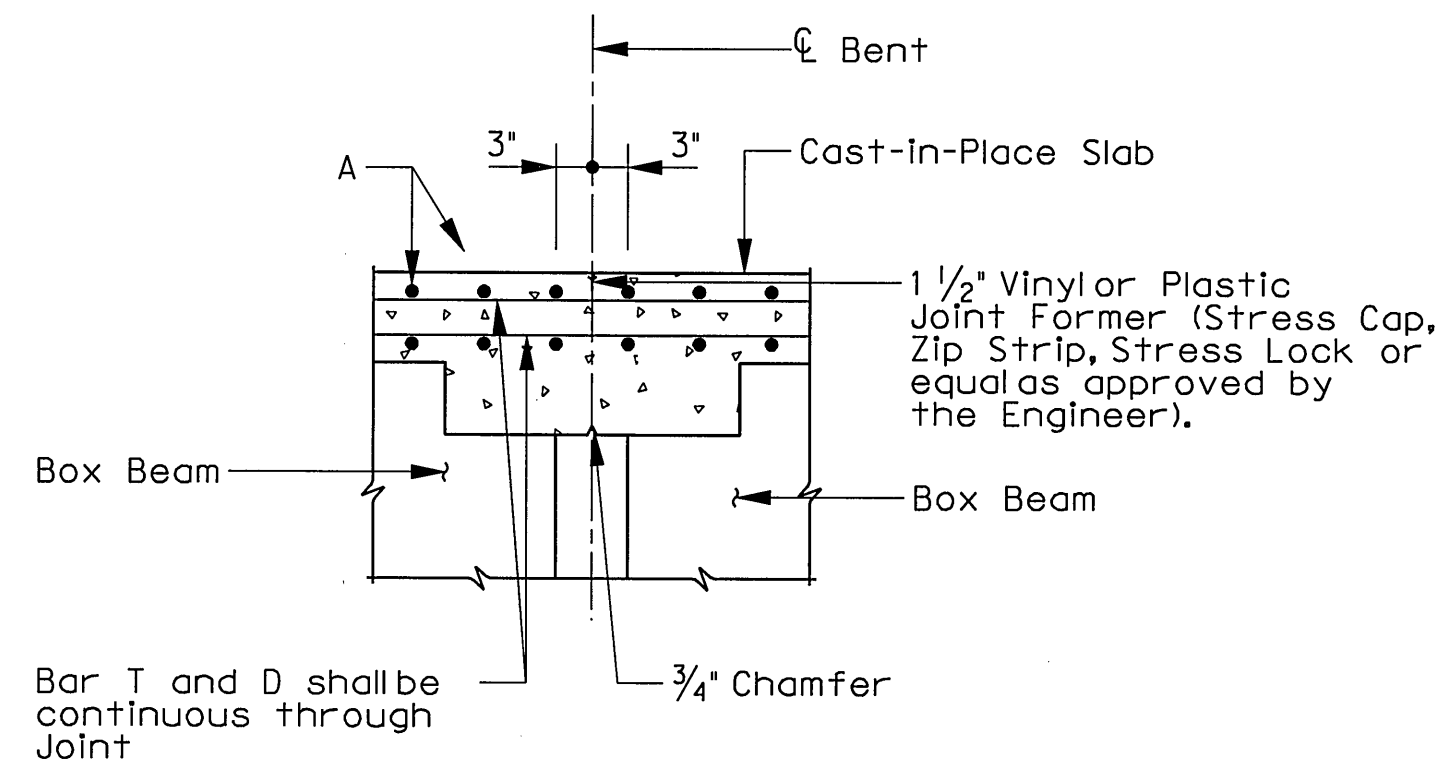
SPAN NO.	REINF CONCRETE SLAB	PRSTR CONCRETE BEAM (4B28)	PRSTR CONCRETE BEAM (5B28)	CLASS S CONCRETE (SLAB)	CLASS S CONCRETE (SDWLK)	REINF STEEL
	SF	LF	LF	CY	CY	LB
1	1,786	91.96	235.45	47.3	18.0	11,609
2	4,111	211.14	563.04	105.6	17.5	26,720
3	2,281	115.40	317.51	59.7	20.1	14,828
TOTAL	8,178	418.50	1,116.00	212.7	55.5	53,157



ABUTMENT OR INTERIOR BENT INTERIOR BENT (Without Expansion Joint)

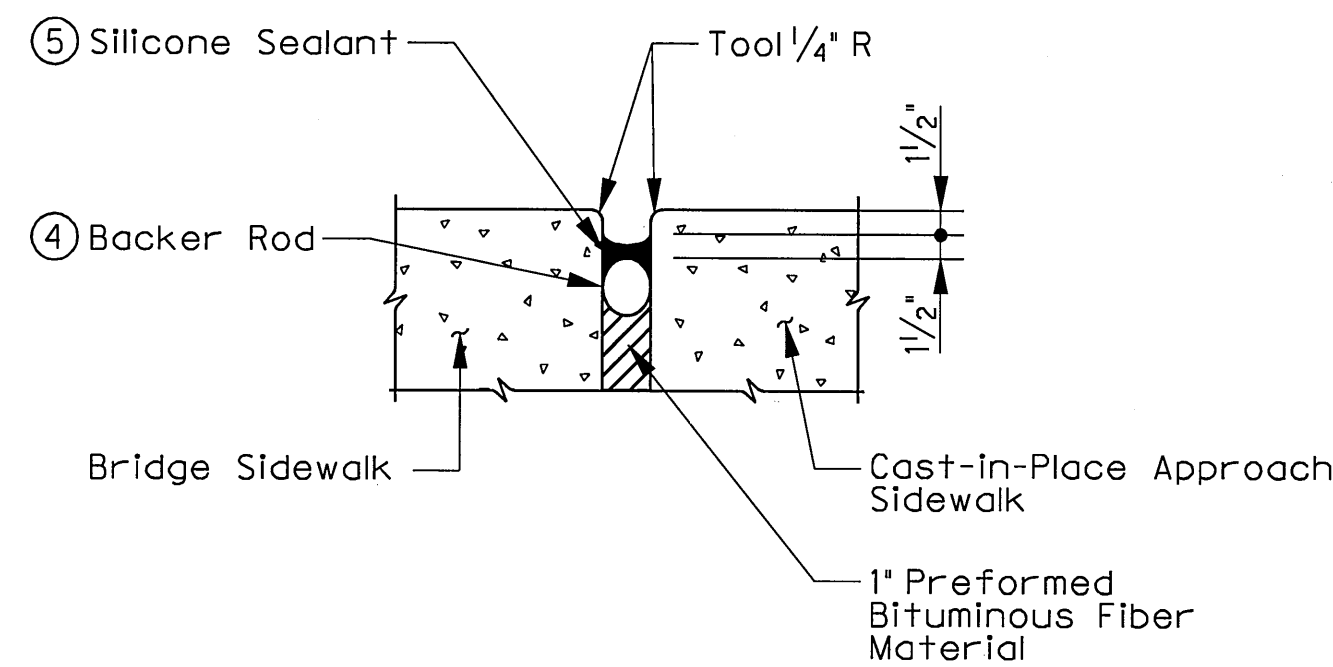
TYPICAL END DIAPHRAGM SECTIONS

SCALE: NTS
(Along centerline of Box Beam)
(Slab reinforcing not shown for clarity)



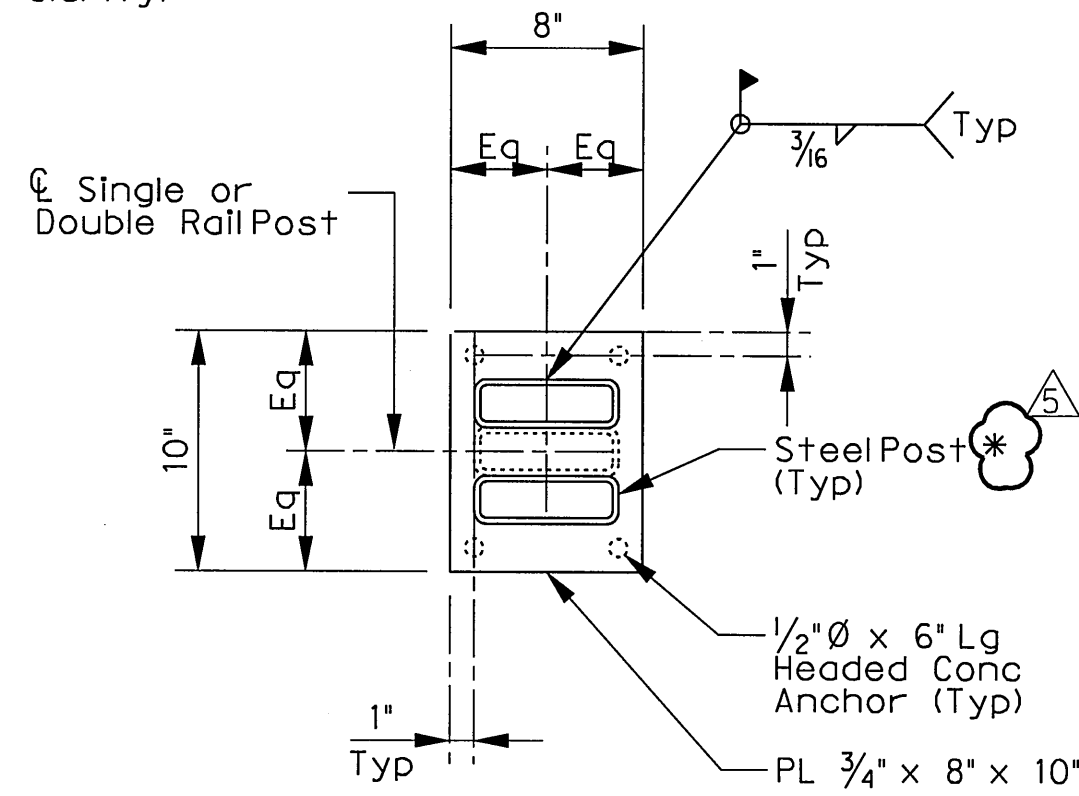
CONTINUOUS SLAB DETAIL

SCALE: NTS
(Diaphragm reinforcing not shown for clarity)



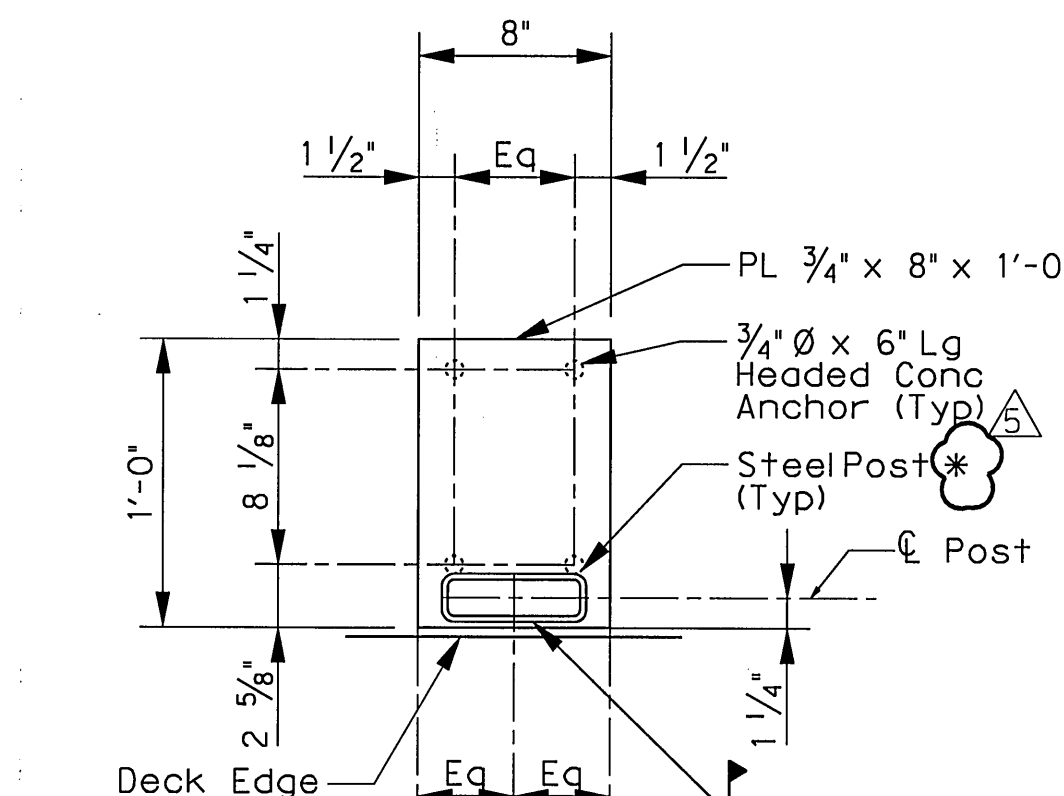
CONTINUOUS SLAB DETAIL

SCALE: NTS



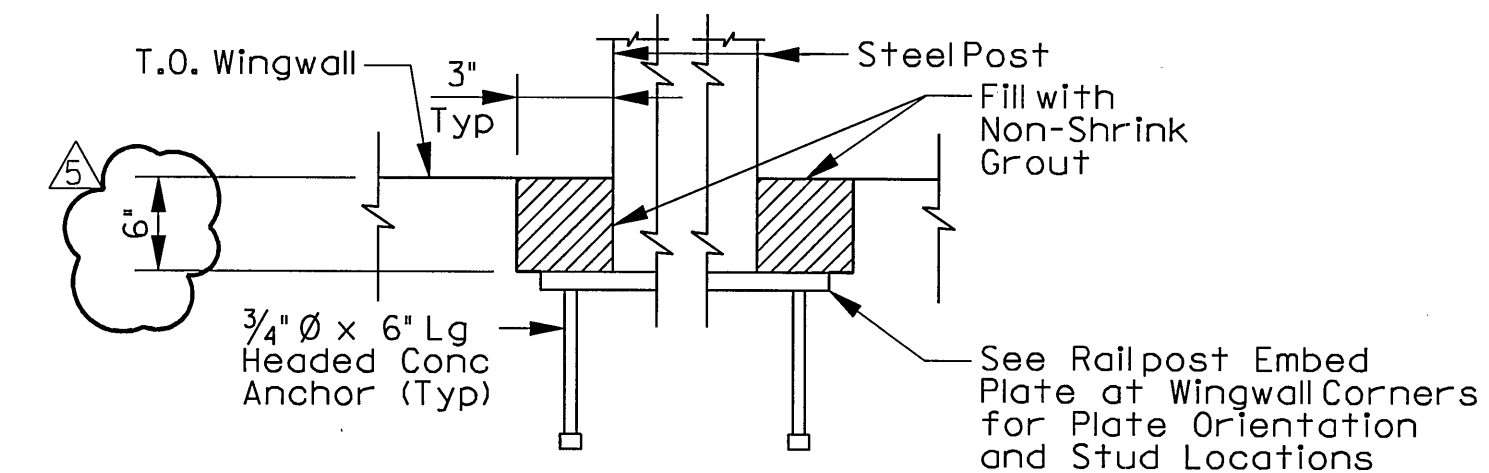
TYPICAL RAIL POST EMBED PLATE DETAIL

SCALE: 1/4" = 1'-0"



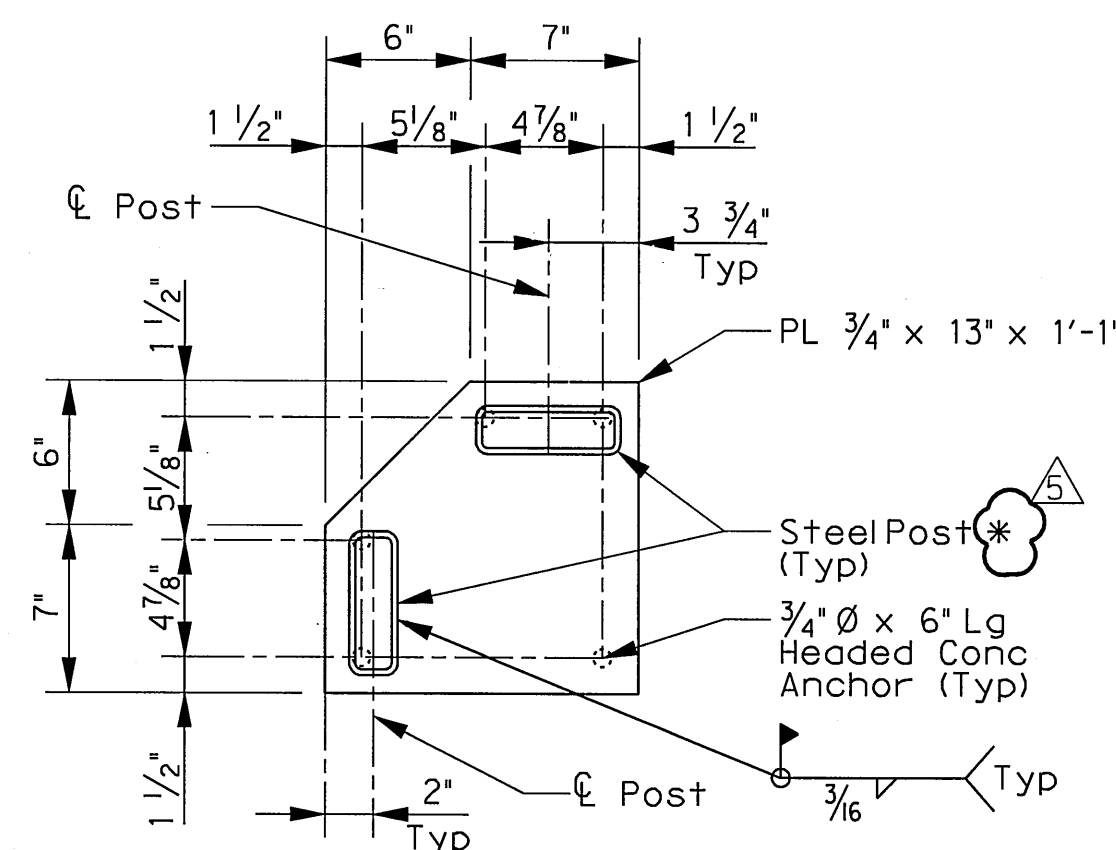
RAIL POST EMBED PLATE AT BRIDGE SEJ DETAIL

SCALE: 1/4" = 1'-0"



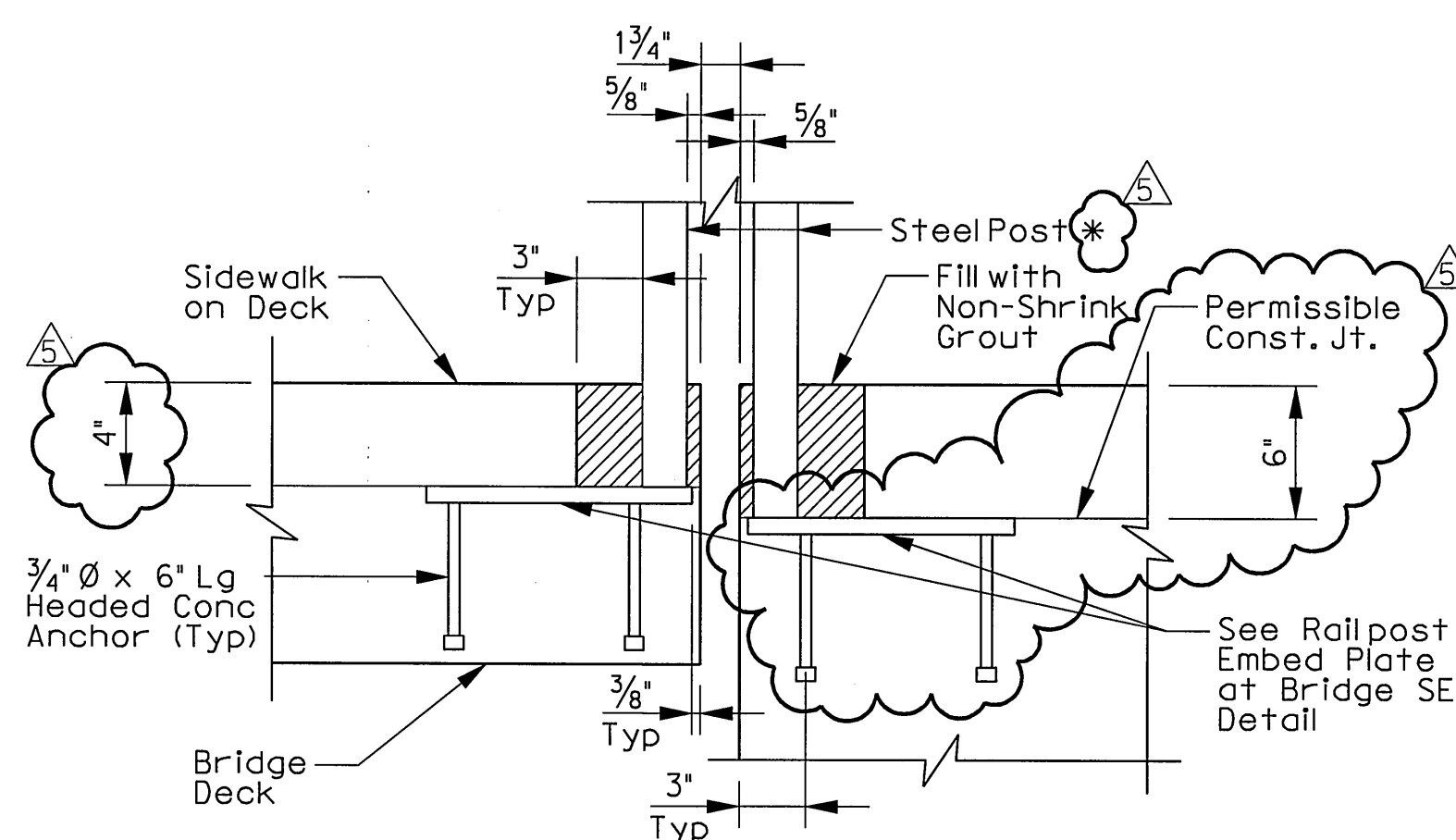
RAIL POST EMBED PLATE AT WINGWALL CORNERS SECTION

SCALE: 1/4" = 1'-0"



RAIL POST EMBED PLATE AT WINGWALL CORNERS DETAIL

SCALE: 1/4" = 1'-0"



RAIL POST EMBED PLATE AT BRIDGE SEJ SECTION

SCALE: 1/4" = 1'-0"

Bar	Size
A	#5
B	#5
D	#5
DT	#5
H	#5
SA	#3
ST	#3
T	#4

TABLE OF SECTION DEPTHS - UNIT 1

SPAN NO.	BEAM NO.	*X* AT C.L. BRG	*Y* AT C.L. BRG	*Z* AT C.L. SPAN
1	1, 10 & 11	9 1/2"	3'-1 1/2"	9 1/2"
	2-9	9 1/2"	3'-1 1/2"	9 1/4"
2	1, 10 & 11	11"	3'-3"	9 3/4"
	2-9	11"	3'-3"	9 1/2"
3	ALL	9 1/2"	3'-1 1/2"	9 1/4"

* Do not galvanize bottom one inch of post to allow for field welding.

- See Bridge Layout for Joint type.
- Provide 1 1/2" end cover to Bars H. After all beams have been placed, weld one Bar H to two Bars D at each end of all beams.
- Lap Bars DT 9" Min with each Beam Bar D at Interior Bents without Expansion Joints. Bars DT shown bent for clarity only.
- Backer Rod shall be 25% larger than joint opening and shall be compatible with the sealant; no reaction shall occur between the rod and the sealant.
- Sealant shall be Class 7 silicone sealant. Install when ambient temperature is between 55° F and 85° F and rising. Engineer is to determine allowable hours for sealant application.
- Reinforcing steel weight is calculated using an approximate factor of 6.5 lbs/SF.
- Theoretical Dimension.
- Quantity is for contractor's information only. Quantity includes sidewalk on approach slab.



NO.	REVISION	BY	DATE
5	Addendum #5	ESC	08/18/10
1	Addendum #1	ESC	5/14/10

TOWN OF ADDISON
 DALLAS COUNTY, TEXAS
VITRUVIAN PARK BRIDGES
 BELLA LANE
DECK DETAILS

 1201 NORTH BOWSER ROAD, RICHARDSON, TEXAS 75081-2275
 TEL (214) 348-6200 FAX (214) 739-0095
 PROJECT: 27379 DESIGN: ESC DRAWN: AHH DATE: APRIL 2010 FILE: SHEET: S2-13