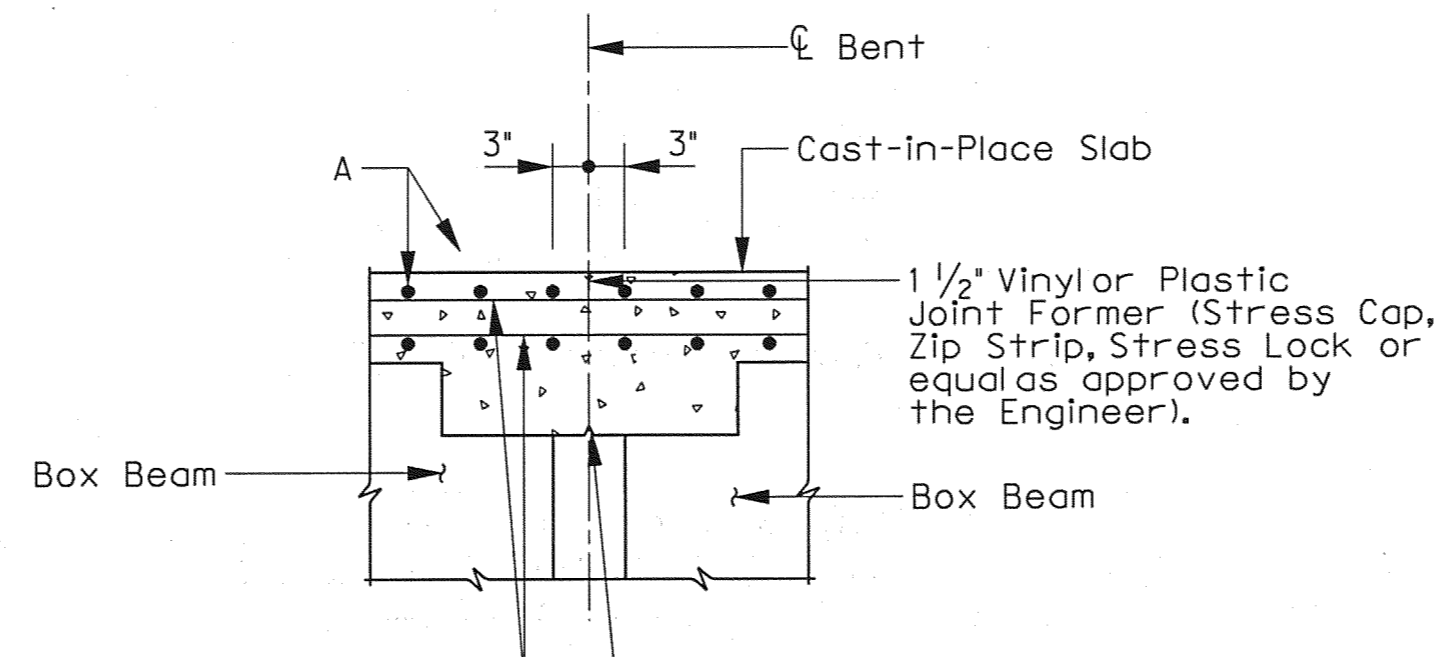


ABUTMENT OR INTERIOR BENT

INTERIOR BENT (Without Expansion Joint)

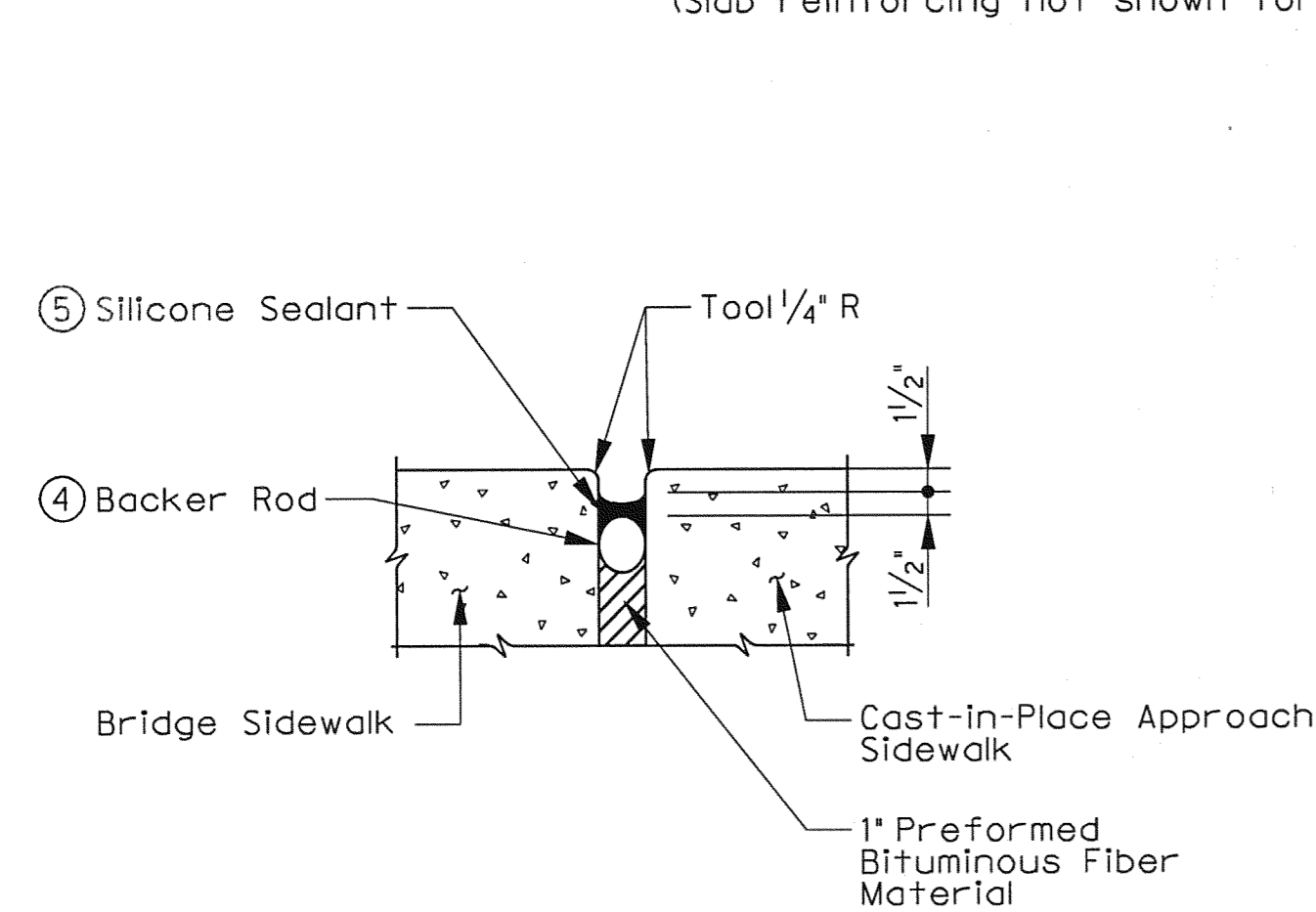
TYPICAL END DIAPHRAGM SECTIONS

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



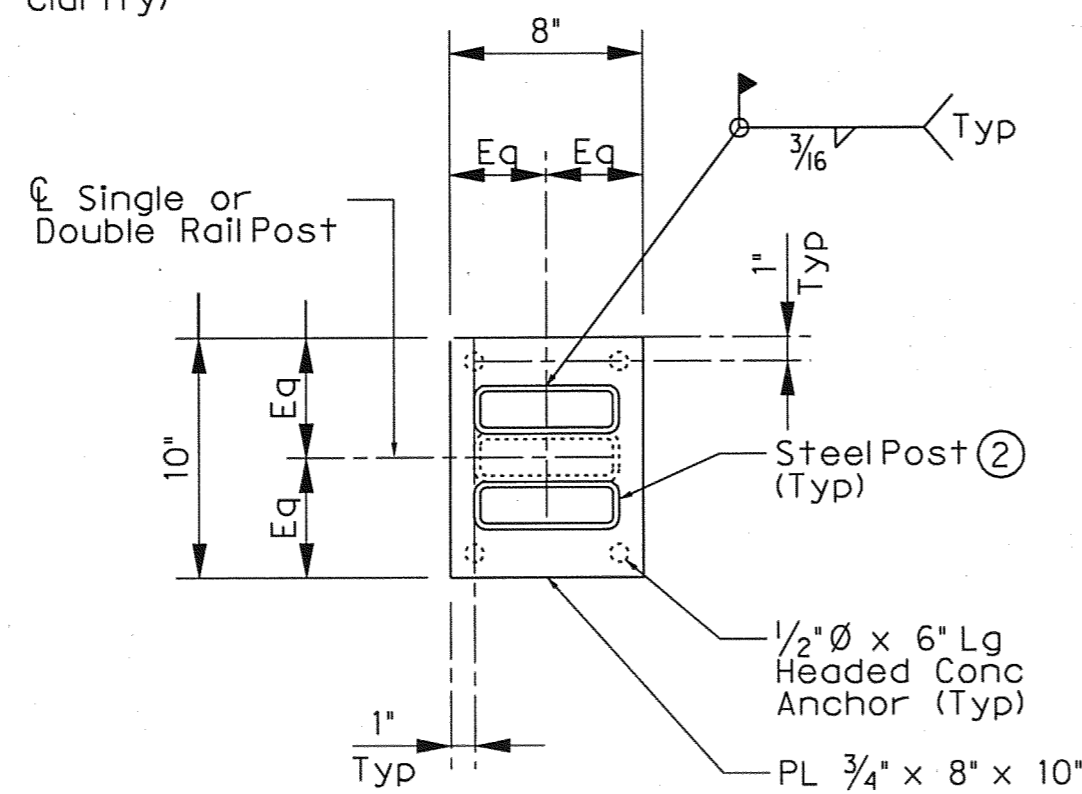
CONTINUOUS SLAB DETAIL

SCALE: NTS
(Diaphragm reinforcing not shown for clarity)



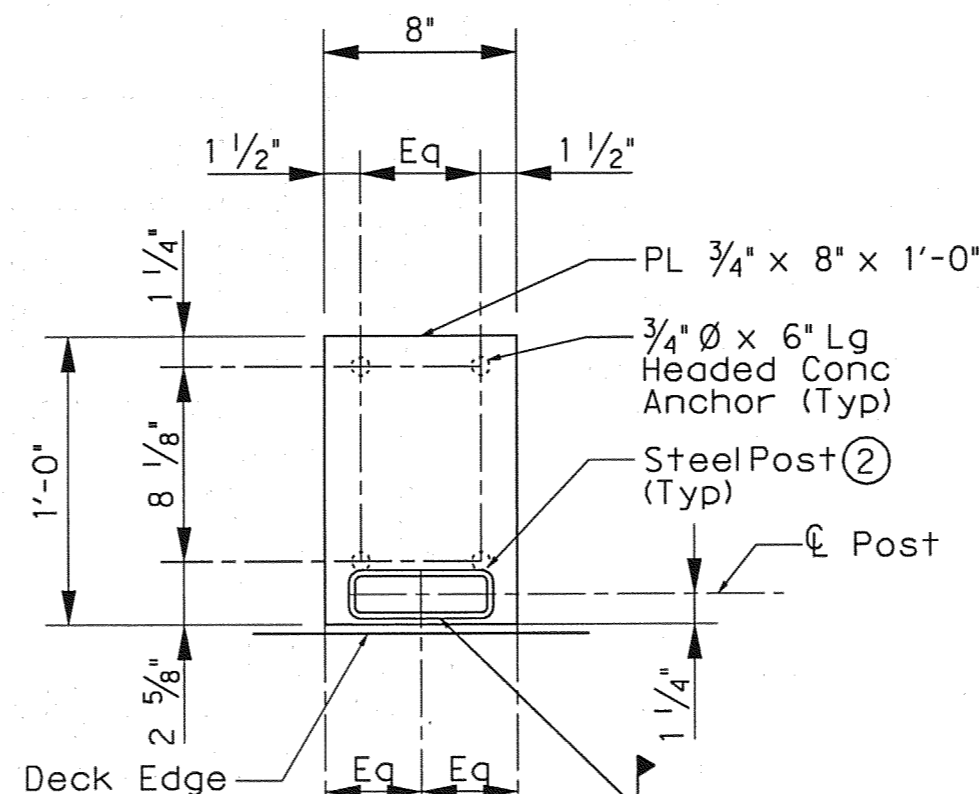
CONTINUOUS SLAB DETAIL

SCALE: NTS



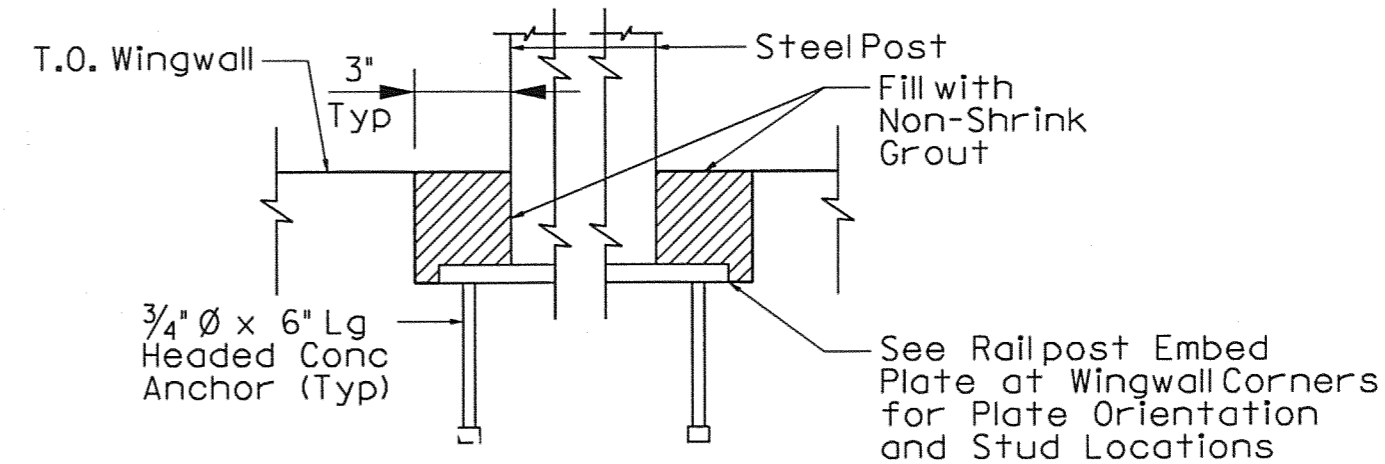
TYPICAL RAIL POST EMBED PLATE DETAIL

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



RAIL POST EMBED PLATE AT BRIDGE SEJ DETAIL

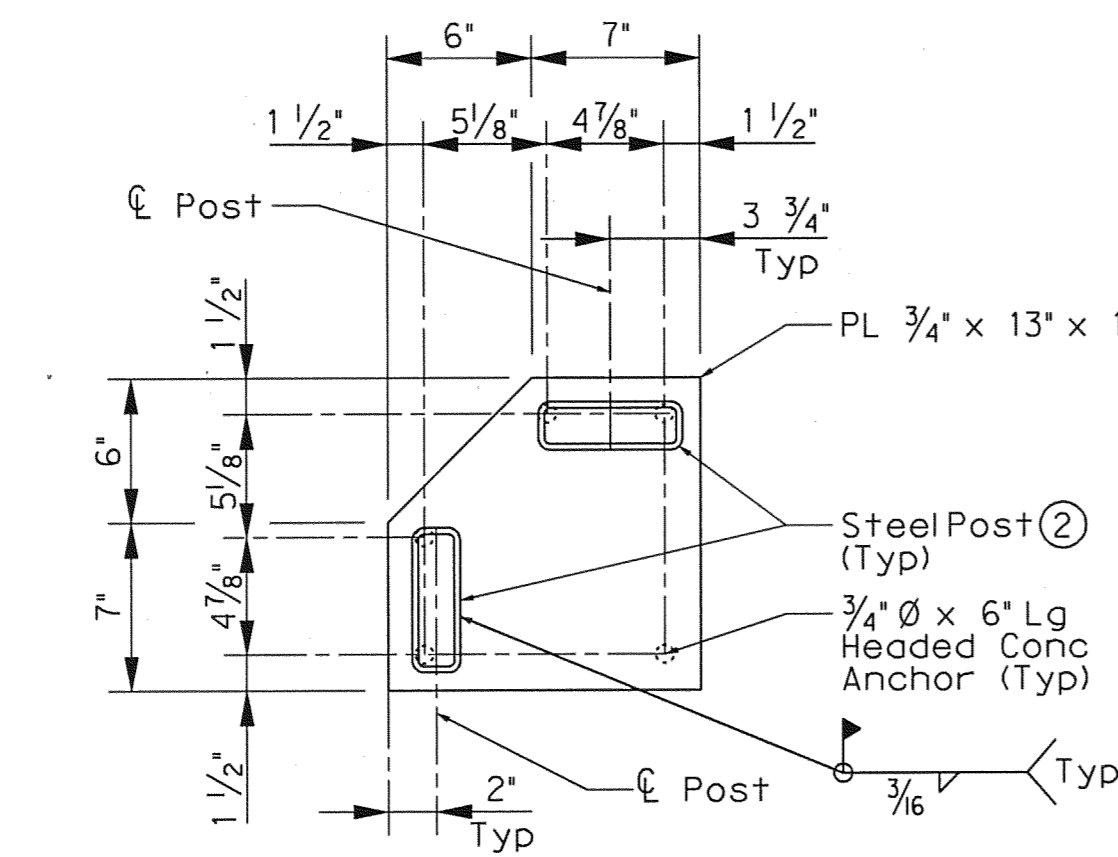
SCALE: 1/4" = 1'-0"



RAIL POST EMBED PLATE AT WINGWALL CORNERS SECTION

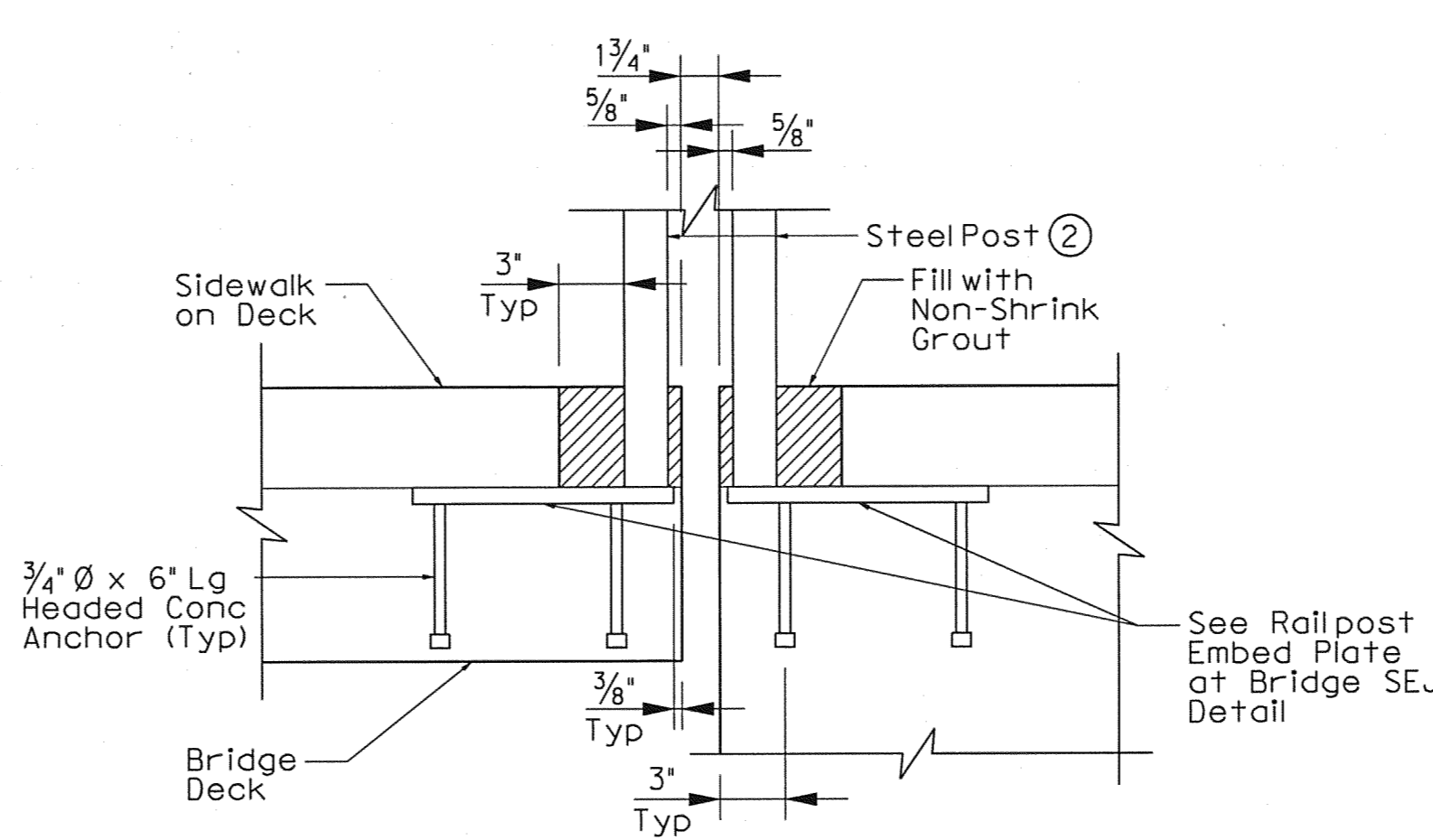
SCALE: 1/4" = 1'-0"

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



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"

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	90.27	230.93	47.3	20.7	11,609
2	4,111	207.80	554.14	105.6	0.0	26,720
3	2,281	110.53	304.54	59.7	0.0	14,828
TOTAL	8,178	408.60	1,089.61	212.7	20.7	53,157

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"
	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"

- 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.

04-29-10

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NO.	REVISION	BY	DATE
TOWN OF ADDISON DALLAS COUNTY, TEXAS VITRUVIAN PARK BRIDGES BELLA LANE DECK DETAILS			
1201 NORTH BOWSER ROAD, RICHARDSON, TEXAS 75081-2275 TEL (214) 346-6200 FAX (214) 739-0095			
PROJECT	DESIGN	DRAWN	DATE
27379	ESC	AHH	APRIL 2010
FILE	SHEET		
-	S2-13		