

DEAD LOAD DEFLECTION TABLE FOR GIRDERS, SPAN A

EXTERIOR GIRDERS																					
TWENTIETH POINTS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.033	0.065	0.095	0.123	0.147	0.168	0.185	0.197	0.204	0.207	0.204	0.197	0.185	0.168	0.147	0.123	0.095	0.065	0.033	0.000
DEFLECTION DUE TO SDL *	↓ 0.000	0.022	0.044	0.066	0.086	0.104	0.119	0.131	0.140	0.146	0.147	0.146	0.140	0.131	0.119	0.104	0.086	0.066	0.044	0.022	0.000
FINAL CAMBER ↑	0"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	13/16"	1"	1 1/16"	1 1/16"	1 1/16"	1 1/16"	1 1/16"	5/8"	9/16"	1/2"	7/16"	3/8"	1/4"	0"

INTERIOR GIRDERS 2-5, 8-11, 14-18																					
TWENTIETH POINTS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.033	0.065	0.095	0.123	0.147	0.168	0.185	0.197	0.204	0.207	0.204	0.197	0.185	0.168	0.147	0.123	0.095	0.065	0.033	0.000
DEFLECTION DUE TO SDL *	↓ 0.000	0.020	0.040	0.061	0.079	0.096	0.109	0.121	0.129	0.134	0.135	0.134	0.129	0.121	0.109	0.096	0.079	0.061	0.040	0.020	0.000
FINAL CAMBER ↑	0"	1/8"	5/16"	7/16"	1/2"	5/8"	11/16"	3/4"	13/16"	13/16"	7/8"	13/16"	13/16"	3/4"	11/16"	5/8"	1/2"	7/16"	5/16"	1/8"	0"

CLOSURE POUR INTERIOR GIRDERS 6-7 AND 12-13																					
TWENTIETH POINTS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.033	0.065	0.095	0.123	0.147	0.168	0.185	0.197	0.204	0.207	0.204	0.197	0.185	0.168	0.147	0.123	0.095	0.065	0.033	0.000
DEFLECTION DUE TO SDL *	↓ 0.000	0.019	0.037	0.055	0.071	0.086	0.098	0.107	0.114	0.119	0.120	0.119	0.114	0.107	0.098	0.086	0.071	0.055	0.037	0.019	0.000
FINAL CAMBER ↑	0"	3/16"	5/16"	1/2"	5/8"	3/4"	13/16"	15/16"	1"	1"	1 1/16"	1"	1"	15/16"	13/16"	3/4"	5/8"	1/2"	5/16"	3/16"	0"

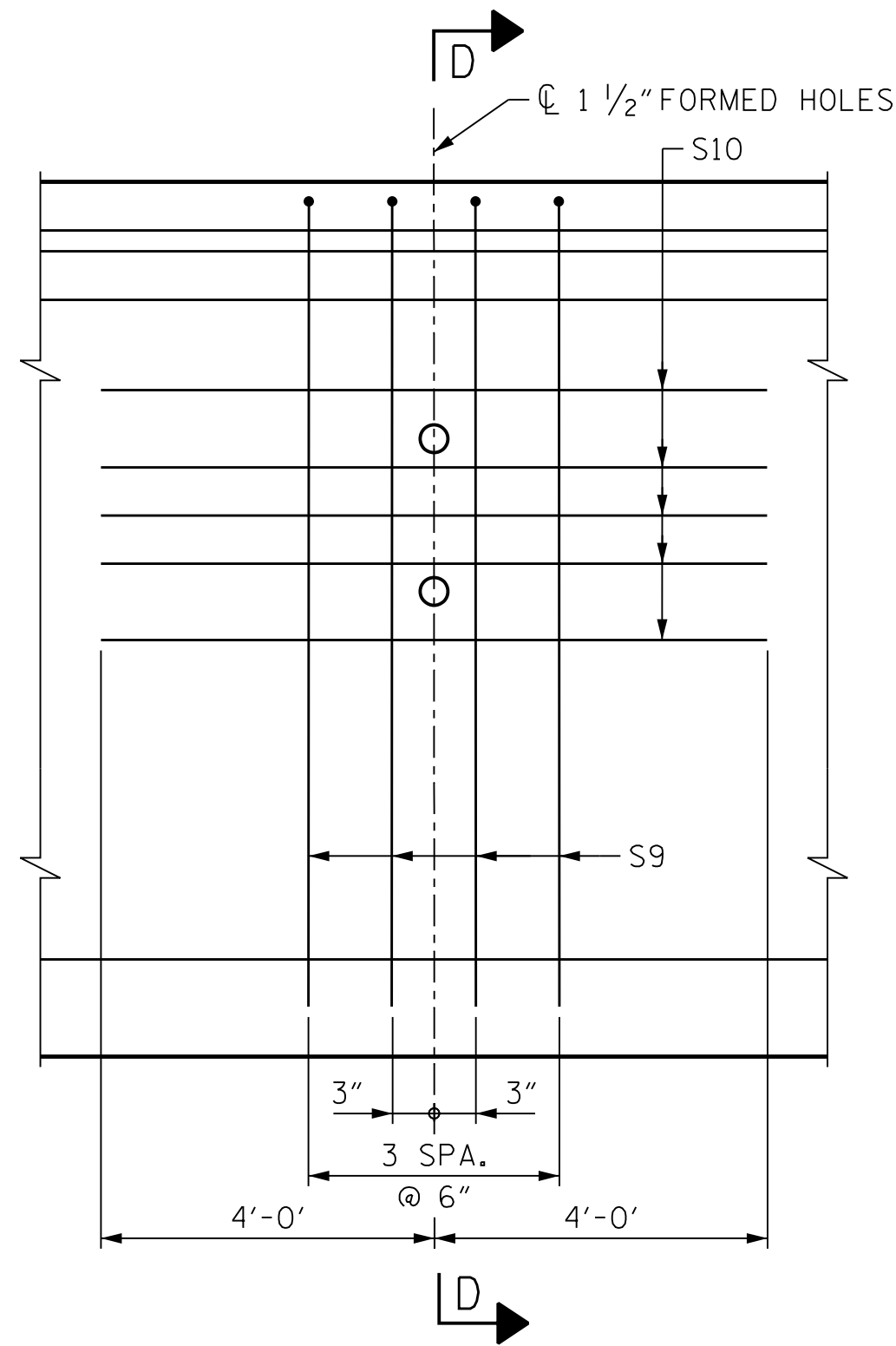
↑ = UPWARD CAMBER
 ↓ = DOWNWARD DEFLECTION
 * INCLUDES FUTURE WEARING SURFACE IN SUPERIMPOSED DEAD LOAD.
 ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT "FINAL CAMBER" WHICH IS SHOWN IN INCHES (FRACTION FORM).
 SDL = SUPERIMPOSED DEAD LOAD

DEAD LOAD DEFLECTION TABLE FOR GIRDERS, SPAN B

EXTERIOR GIRDERS																						
TWENTIETH POINTS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.045	0.089	0.131	0.169	0.202	0.231	0.254	0.270	0.280	0.284	0.280	0.270	0.254	0.231	0.202	0.169	0.131	0.089	0.045	0.000	
DEFLECTION DUE TO SDL *	↓ 0.000	0.036	0.071	0.106	0.138	0.167	0.191	0.211	0.225	0.234	0.237	0.234	0.225	0.211	0.191	0.167	0.138	0.106	0.071	0.036	0.000	
FINAL CAMBER ↑	0"	1/8"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	13/16"	13/16"	9/16"	9/16"	9/16"	9/16"	1/2"	1/2"	7/16"	3/8"	5/16"	1/4"	1/8"	0"

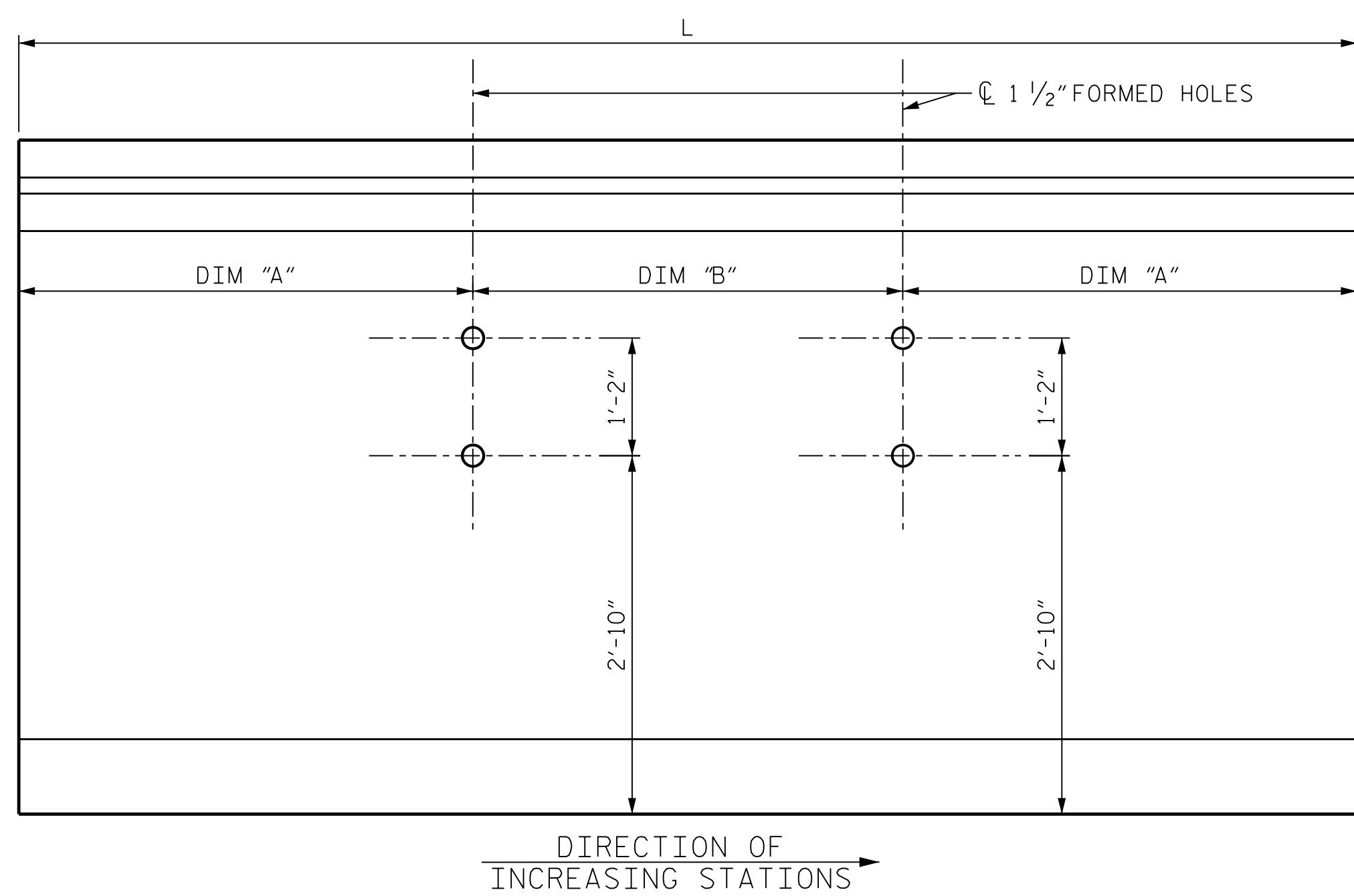
INTERIOR GIRDERS 2-5, 8-11, 14-18																					
TWENTIETH POINTS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.045	0.089	0.131	0.169	0.202	0.231	0.254	0.270	0.280	0.284	0.280	0.270	0.254	0.231	0.202	0.169	0.131	0.089	0.045	0.000
DEFLECTION DUE TO SDL *	↓ 0.000	0.033	0.065	0.098	0.127	0.154	0.176	0.194	0.207	0.215	0.217	0.215	0.207	0.194	0.176	0.154	0.127	0.098	0.065	0.033	0.000
FINAL CAMBER ↑	0"	1/8"	5/16"	3/8"	1/2"	5/8"	11/16"	3/4"	3/4"	13/16"	13/16"	13/16"	3/4"	3/4"	11/16"	9/16"	1/2"	3/8"	5/16"	1/8"	0"

CLOSURE POUR INTERIOR GIRDERS 6-7 AND 12-13																					
TWENTIETH POINTS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00
CAMBER (GIRDER ALONE IN PLACE) ↑	0.000	0.045	0.089	0.131	0.169	0.202	0.231	0.254	0.270	0.280	0.284	0.280	0.270	0.254	0.231	0.202	0.169	0.131	0.089	0.045	0.000
DEFLECTION DUE TO SDL *	↓ 0.000	0.030	0.060	0.088	0.114	0.137	0.157	0.172	0.184	0.190	0.193	0.190	0.184	0.172	0.157	0.137	0.114	0.088	0.060	0.030	0.000
FINAL CAMBER ↑	0"	3/16"	3/8"	1/2"	5/8"	13/16"	7/8"	1"	1 1/16"	1 1/16"	1 1/16"	1 1/16"	1 1/16"	1"	7/8"	13/16"	5/8"	1/2"	3/8"	3/16"	0"



PARTIAL ELEVATION

SHOWING INTERMEDIATE STEEL DIAPHRAGM REINFORCING STEEL FOR GIRDERS 1 THRU 19

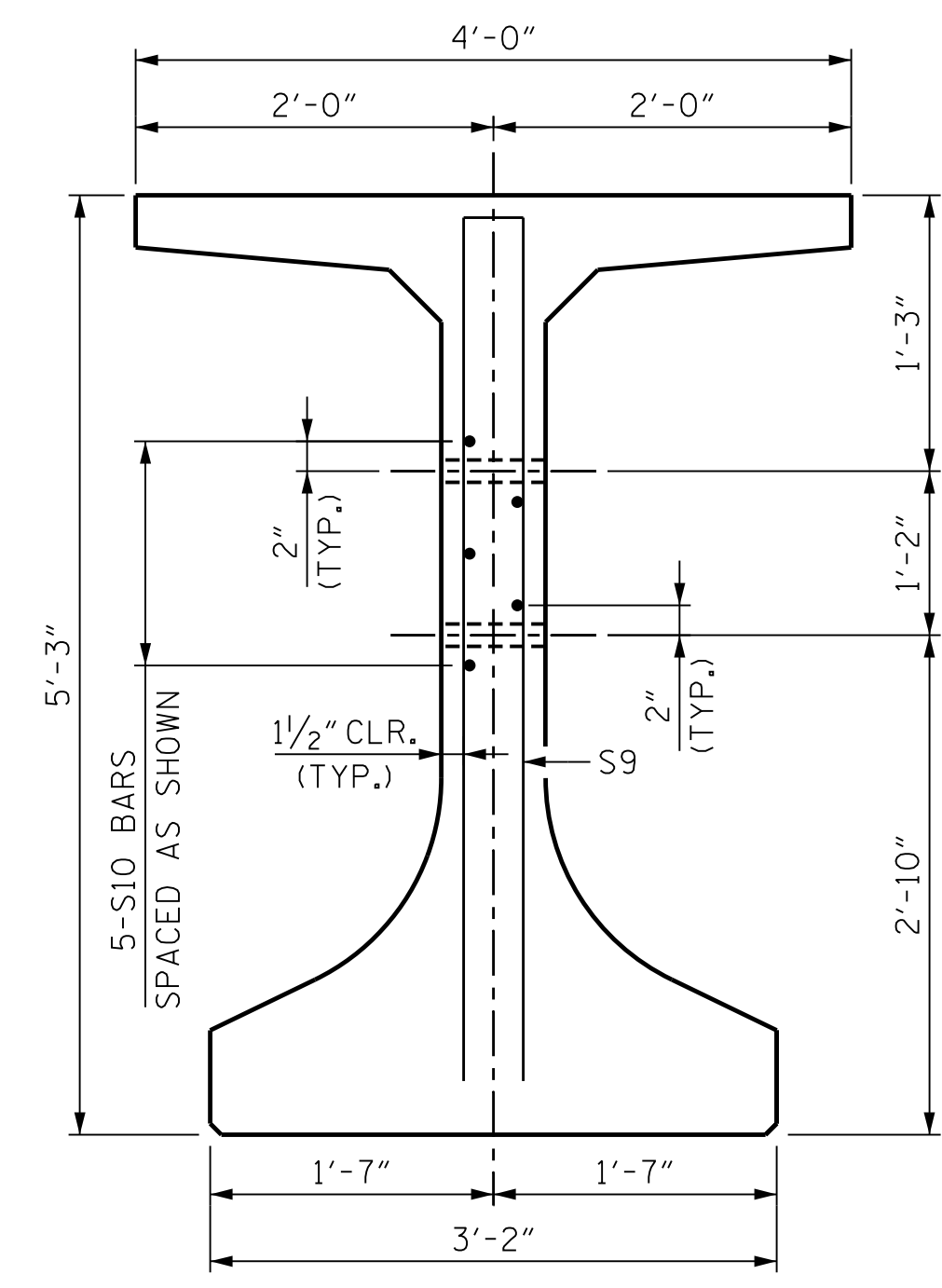


LOCATION OF 1 1/2" Ø FORMED HOLES

GIRDERS 1-19

TABLE OF 1 1/2" Ø FORMED HOLE DIMENSIONS

GIRDER	L	DIM "A"	DIM "B"
A1 THRU A19	113'-2"	38'-0"	37'-2"
B1 THRU B19	127'-2"	42'-8"	41'-10"



SECTION D-D

(MAIN GIRDER REINFORCING NOT SHOWN FOR CLARITY)

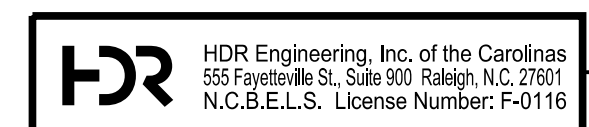


10/18/2021

PROJECT NO. U-2579AB
 FORSYTH COUNTY
 STATION: 47+28.33 -Y15REV-
 SHEET 4 OF 4

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 PRESTRESSED CONCRETE
 GIRDER FOR LINK SLAB
 DETAILS

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS	
1	--	--	3	--	--	61	
2	--	--	4	--	--	61	



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLOT DRIVER: NCDOT... USER: PPETERSO... DATE: 10/14/2021... FILE: ...\SUPERSTRUCTURE PRE