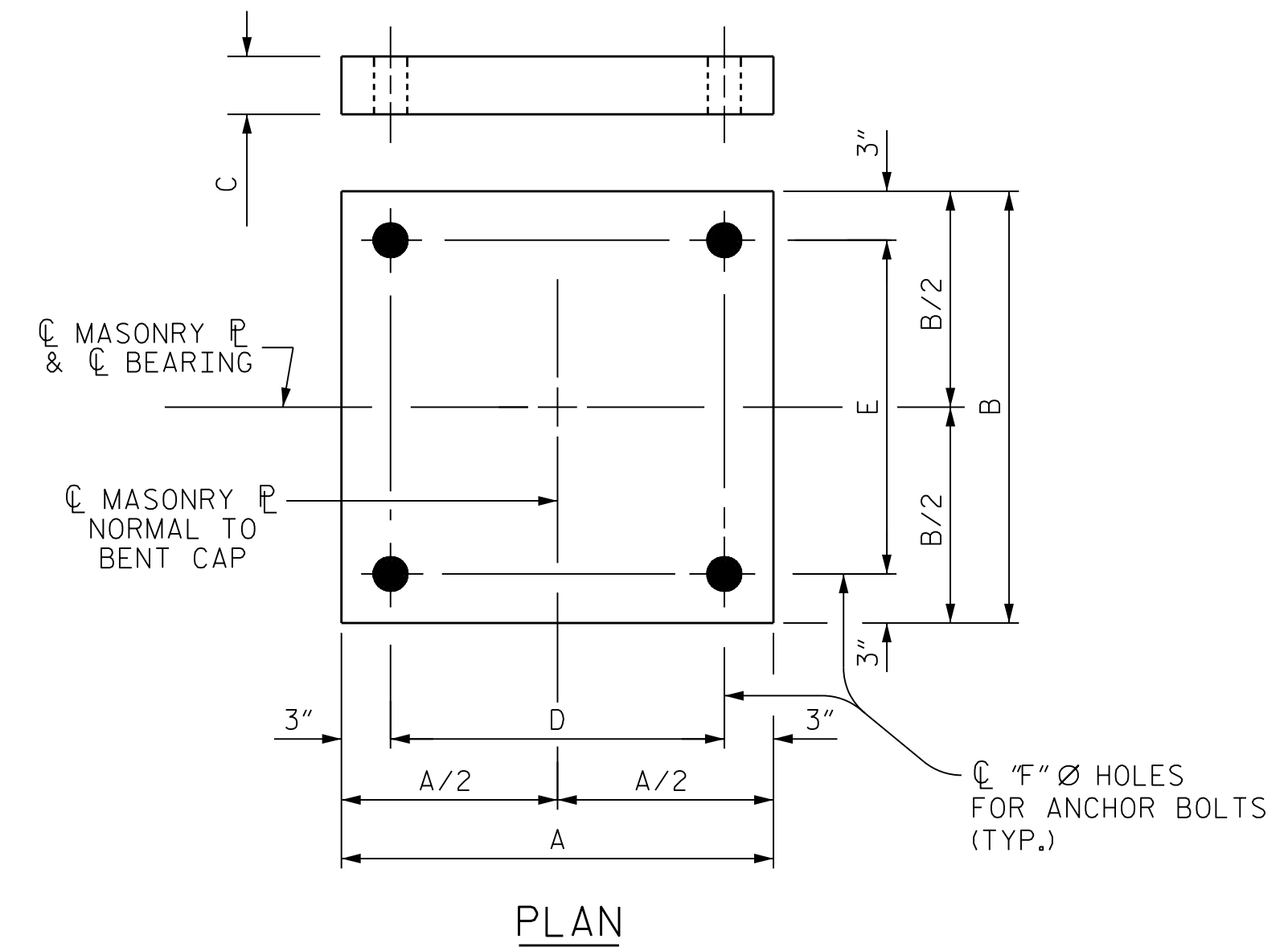


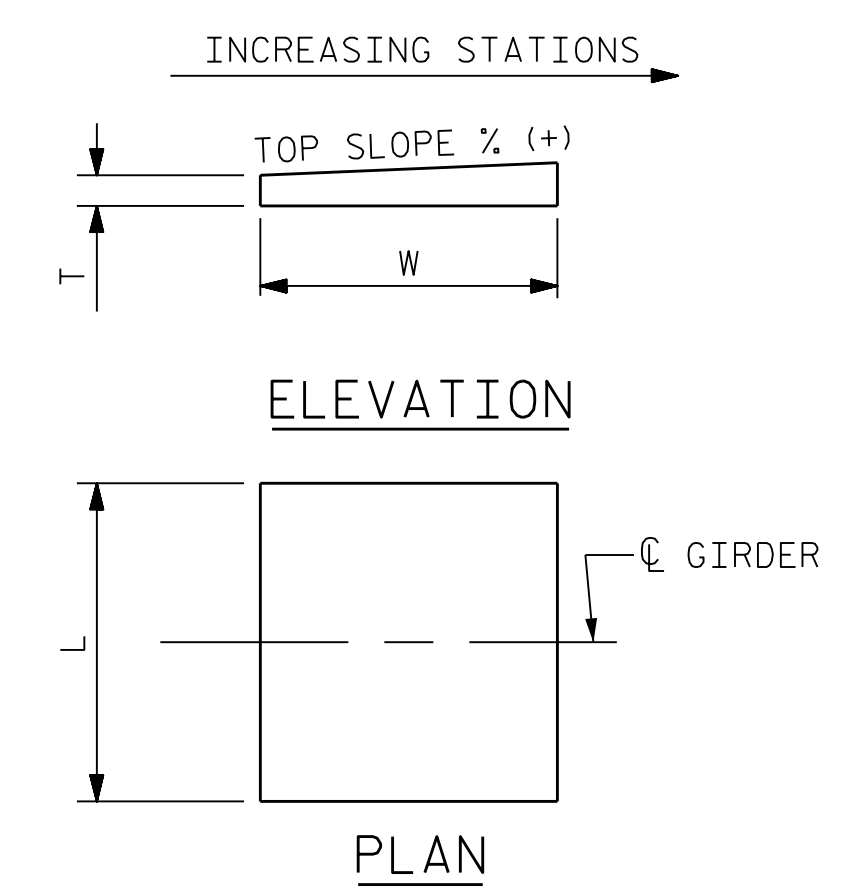
DESIGNATIONS				DIMENSIONS												LOADS AND MOVEMENT				
BEARINGS	MASONRY	LOCATION	NUMBER OF BEARINGS	BEARING	MASONRY PLATE						SOLE PLATE	ANCHOR BOLT DIAMETER	ANCHOR BOLT PROJECTION	TOTAL ANCHOR BOLT LENGTH	4" Ø STD. PIPE LENGTH	UNFACTORED VERTICAL LOAD (KIPS)			FACTORED HORIZONTAL LOAD (KIPS)	** ONE-WAY MOVEMENT
					H	A	B	C	D	E						F	TOP SLOPE (%)	DEAD		
DB1 (EXP.)	M1	END BENT 1	4	5 7/8"	2'-1 1/2"	2'-1 1/2"	3/4"	1'-7 1/2"	1'-7 1/2"	1 15/16"	3.1002%	1 1/2"	3"	1'-6"	1'-3 1/4"	78	11	107	36	1 1/8"
DB2 (FIXED)	M2	BENT 1	4	7 1/2"	2'-6"	2'-6"	1"	2'-0"	2'-0"	2 7/16"	1.9145%	2"	4"	1'-10"	N/A	506	66	282	179	0"
DB3 (EXP.)	M3	END BENT 2	4	6"	2'-3"	2'-3"	3/4"	1'-9"	1'-9"	1 15/16"	0.7860%	1 1/2"	3"	1'-6"	1'-3 1/4"	190	25	145	72	1 5/8"

\*\* "ONE-WAY MOVEMENT" REPRESENTS THE FULL MOVEMENT RANGE EXPECTED TO OCCUR OVER A TEMPERATURE RANGE FROM 10° F TO 110° F. THE BEARING SOLE PLATE AND UPPER SLIDING SURFACE SHOULD BE CENTERED ON THE BEARING AT 60° F. SEE TABLE FOR "PLATE SETTING DATA" FOR SETTING DATA FOR OTHER TEMPERATURES.

▲ ANCHOR BOLT PROJECTION IS MEASURED ABOVE TOP OF BRIDGE SEAT.



MASONRY PLATE DETAILS



NOTE: DIMENSIONS "L", "W", AND "T" SHALL BE DETERMINED BY THE BEARING MANUFACTURER, SET DIMENSION "L" SUCH THAT THE MINIMUM EDGE DISTANCE TO THE GIRDER FLANGE IS 1".

SOLE PLATE DETAILS

PROJECT NO. B-3186/B-5898  
HAYWOOD COUNTY  
 STATION: 27+54.43 -Y1RT-

SHEET 2 OF 3



W. Brian Watson 1/24/2022

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**SUPERSTRUCTURE  
 DISC BEARING  
 DETAILS**

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS	
1	--	--	3	--	--	502-21	
2	--	--	4	--	--	48	



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLOT DRIVER: NCDOT\_STRUCTURES\_DEFAULT\_PLOTTER.plt  
 PENTABLE: NCDOT\_STRUCTURES\_DEFAULT\_PEN.tbl  
 USER: PPETERS0  
 DATE: 1/24/2022  
 TIME: 1:29:50 PM  
 FILE: ... \402.100.B3186-B5898.SML.BG.021.430168.dgn

DES BY: <u>S. NIFONG</u>	DATE: <u>05/21</u>	DWG BY: <u>M. SELLS</u>	DATE: <u>05/21</u>
DES CHK: <u>N. DAVIS</u>	DATE: <u>05/21</u>	CHK BY: <u>S. NIFONG</u>	DATE: <u>06/21</u>