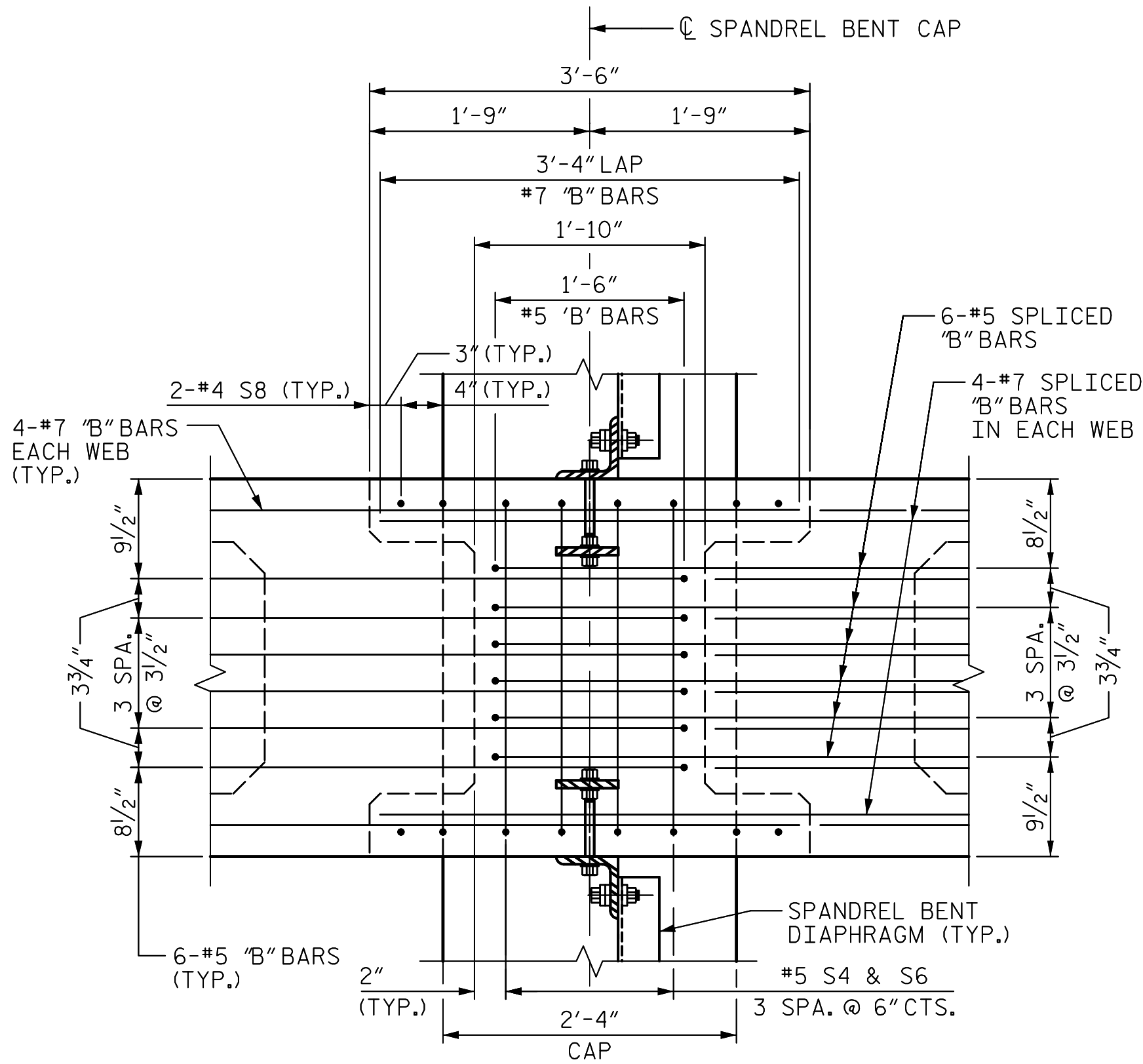
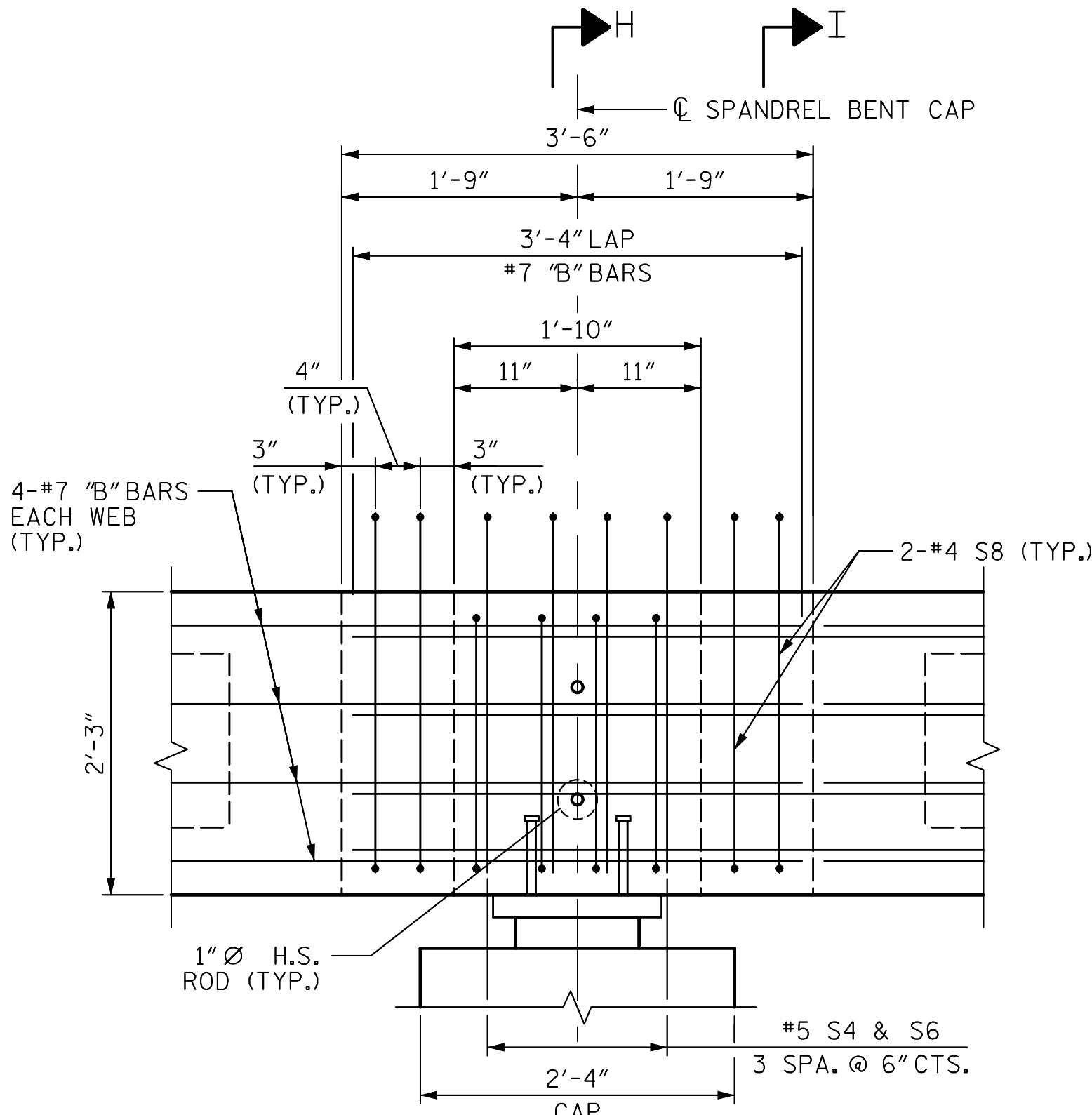


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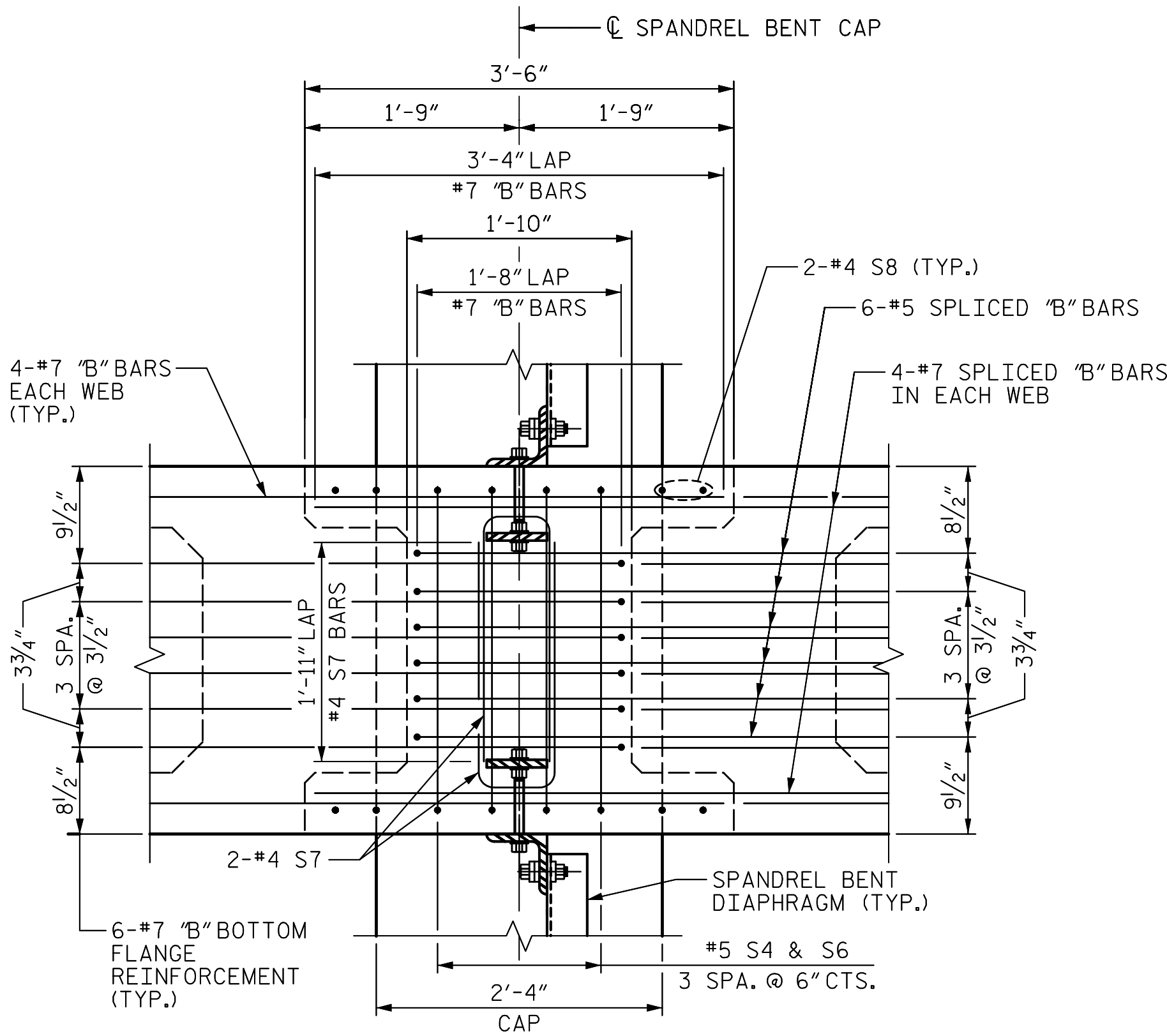
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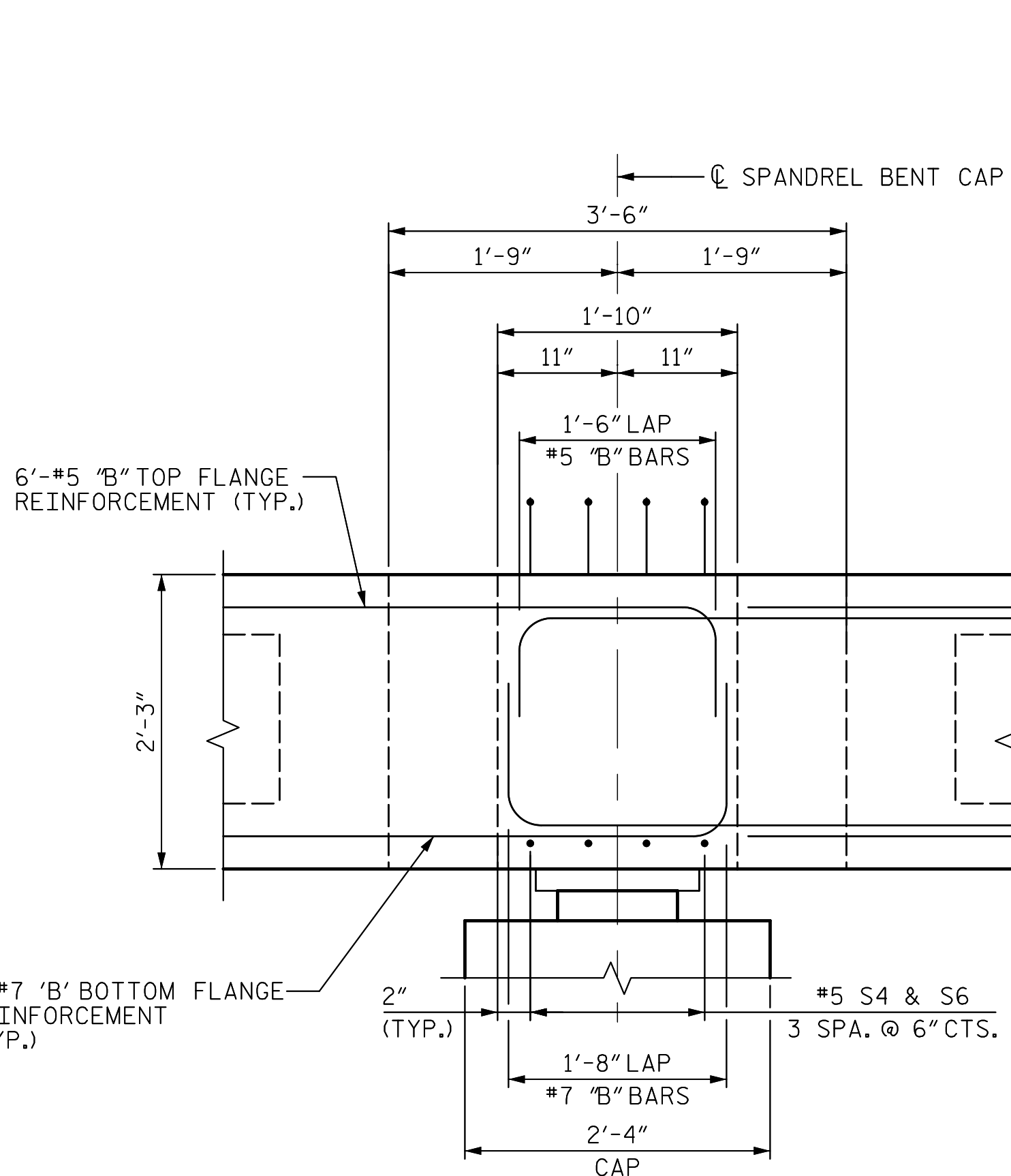
PLAN OF SPLICE
SHOWING TOP FLANGE REINFORCEMENT
GIRDER SHEAR STIRRUPS NOT SHOWN FOR CLARITY



ELEVATION OF SPLICE
SHOWING WEB REINFORCEMENT
GIRDER SHEAR STIRRUPS NOT SHOWN FOR CLARITY



PLAN OF SPLICE
SHOWING BOTTOM FLANGE REINFORCEMENT
GIRDER SHEAR STIRRUPS NOT SHOWN FOR CLARITY

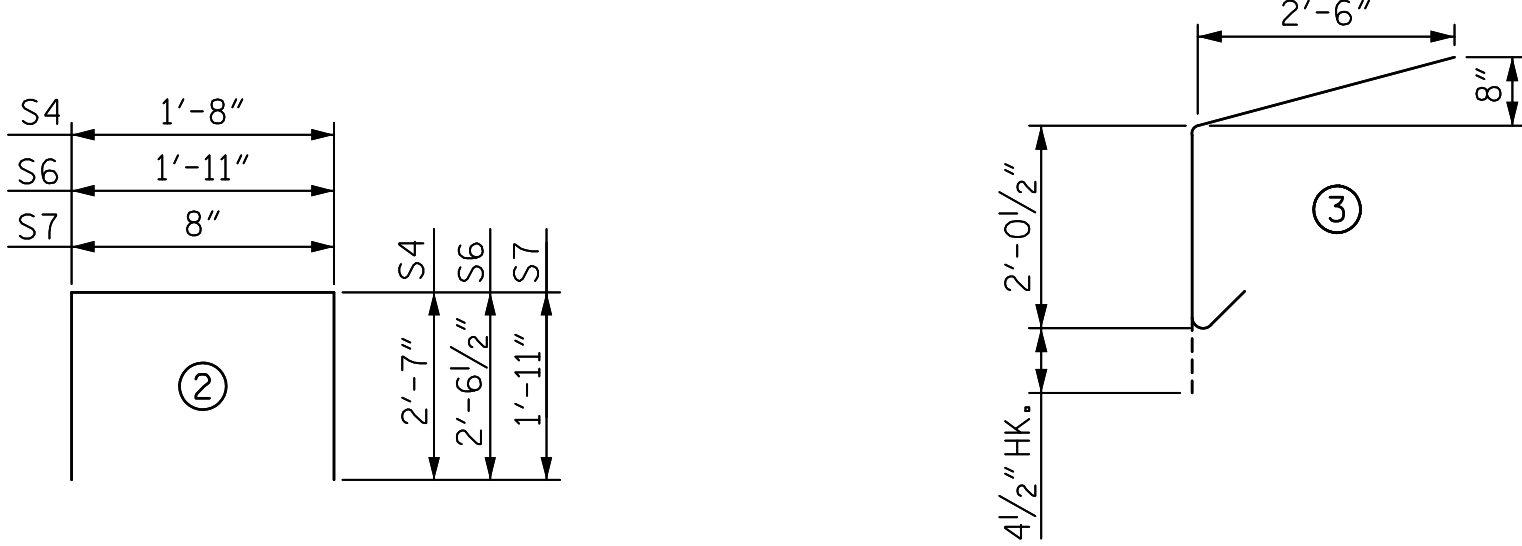


SECTION OF SPLICE
TAKEN THRU GIRDER CENTERLINE
GIRDER SHEAR STIRRUPS NOT SHOWN FOR CLARITY

REINFORCING STEEL FOR ONE SPLICE											
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT	BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S4	4	#5	2	6'-10"	29	S7	4	#4	2	4'-6"	12
S6	8	#5	2	7'-0"	58	S8	8	#4	3	5'-0"	27

BAR TYPES

ALL BAR DIMENSIONS ARE OUT-TO-OUT



SPLICES REQUIRED

QUANTITIES FOR ONE SPLICE

	NUMBER		REINFORCING STEEL		5500 PSI CONCRETE	
			LB.		C.Y.	
SPAN C	44	PER SPLICE	126		0.6	
SPAN D	44					
SPAN E	44					
SPAN F	44					

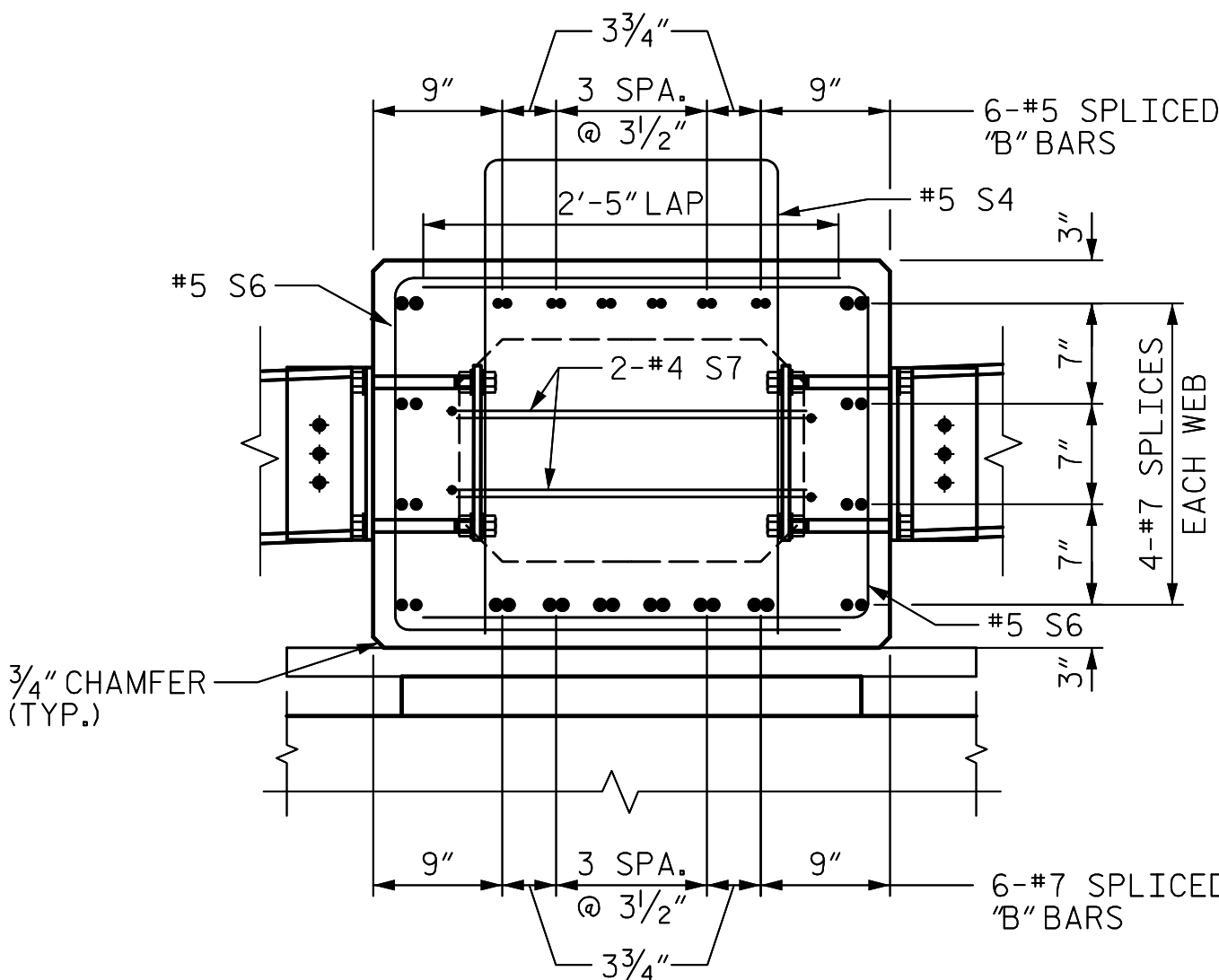
NOTES

GIRDER SPLICE CONCRETE SHALL BE CLASS A WITH A 28 DAY COMPRESSIVE STRENGTH OF 5,500 PSI.

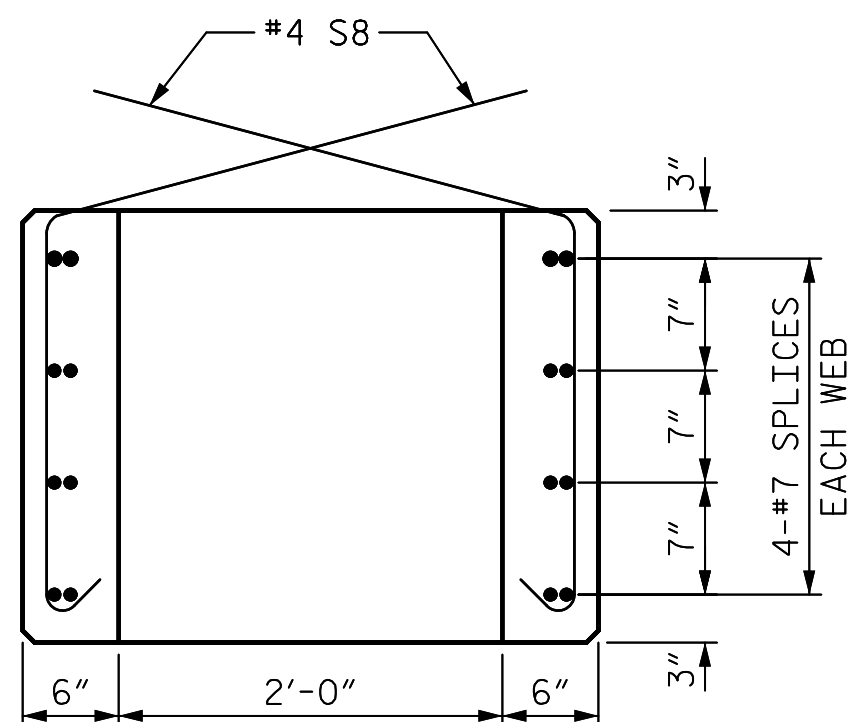
CONTRACTOR SHALL ENSURE THE STABILITY OF THE BOX GIRDERS, BEARINGS, AND SOLE PLATES PRIOR TO POURING THE CONCRETE GIRDER SPLICE. SUPPORTS SHALL REMAIN IN PLACE UNTIL THE SPLICE CONCRETE HAS ACHIEVED A STRENGTH OF 3,000 PSI. NO ADDITIONAL LOADING SHALL BE PLACE ON THE BOX GIRDERS UNTIL THE SPLICE CONCRETE HAS ACHIEVED ITS SPECIFIED 28 DAY COMPRESSIVE STRENGTH.

CONTRACTOR SHALL ENSURE THE BEARINGS ARE IN AN UNROTATED STATE AFTER CASTING THE GIRDER SPLICE. THE ONLY DEFORMATION SHALL BE DUE TO THE DEAD LOAD APPLIED CONCENTRICALLY THRU THE BEARING AXIS.

BENDING OF REINFORCING BARS THAT PROJECT FROM THE ENDS OF THE GIRDERS SHALL BE CONDUCTED USING EQUIPMENT MANUFACTURED SPECIFICALLY FOR PURPOSE OF BENDING REBAR. THE EQUIPMENT SHALL BE RATED FOR THE BAR TYPE AND SIZE, AND BENDING SHALL BE CONDUCTED ACCORDING TO THE MANUFACTURER'S WRITTEN INSTRUCTIONS. CONTRACTOR SHALL SUBMIT EQUIPMENT CUT SHEETS WITH BOX GIRDER SHOP DRAWINGS.



SECTION H-H



SECTION I-I

PROJECT NO. B-4974

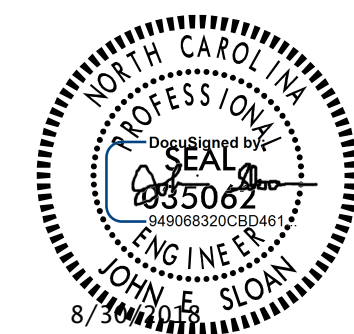
STANLY/MONTGOMERY COUNTY

STATION: 339+86.39 -L-

SHEET 5 OF 7

AECOM

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(919) 854-4200 www.aecom.com
AECOM License No. F-0342



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

3'-0" X 2'-3"
REINFORCED CONCRETE
BOX GIRDER
SPLICE DETAILS

REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO.

S-35

TOTAL SHEETS

148

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED