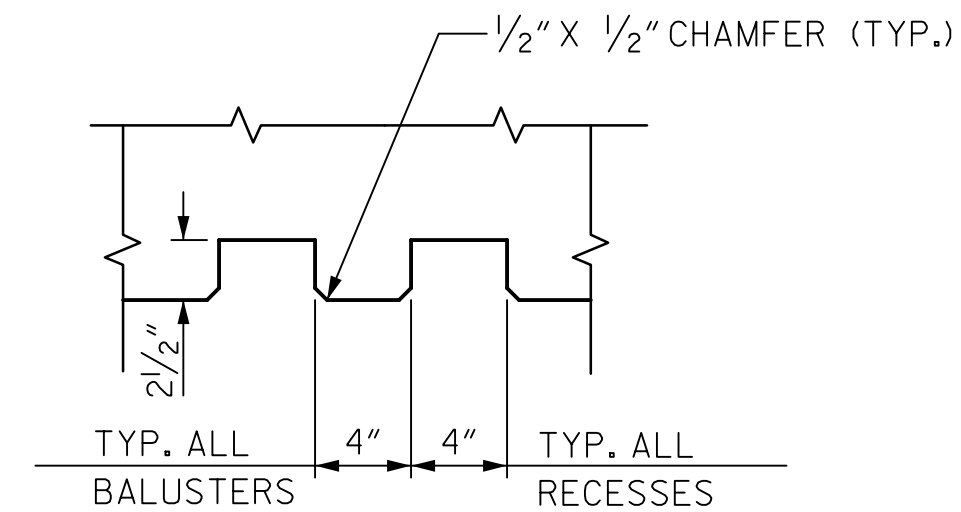
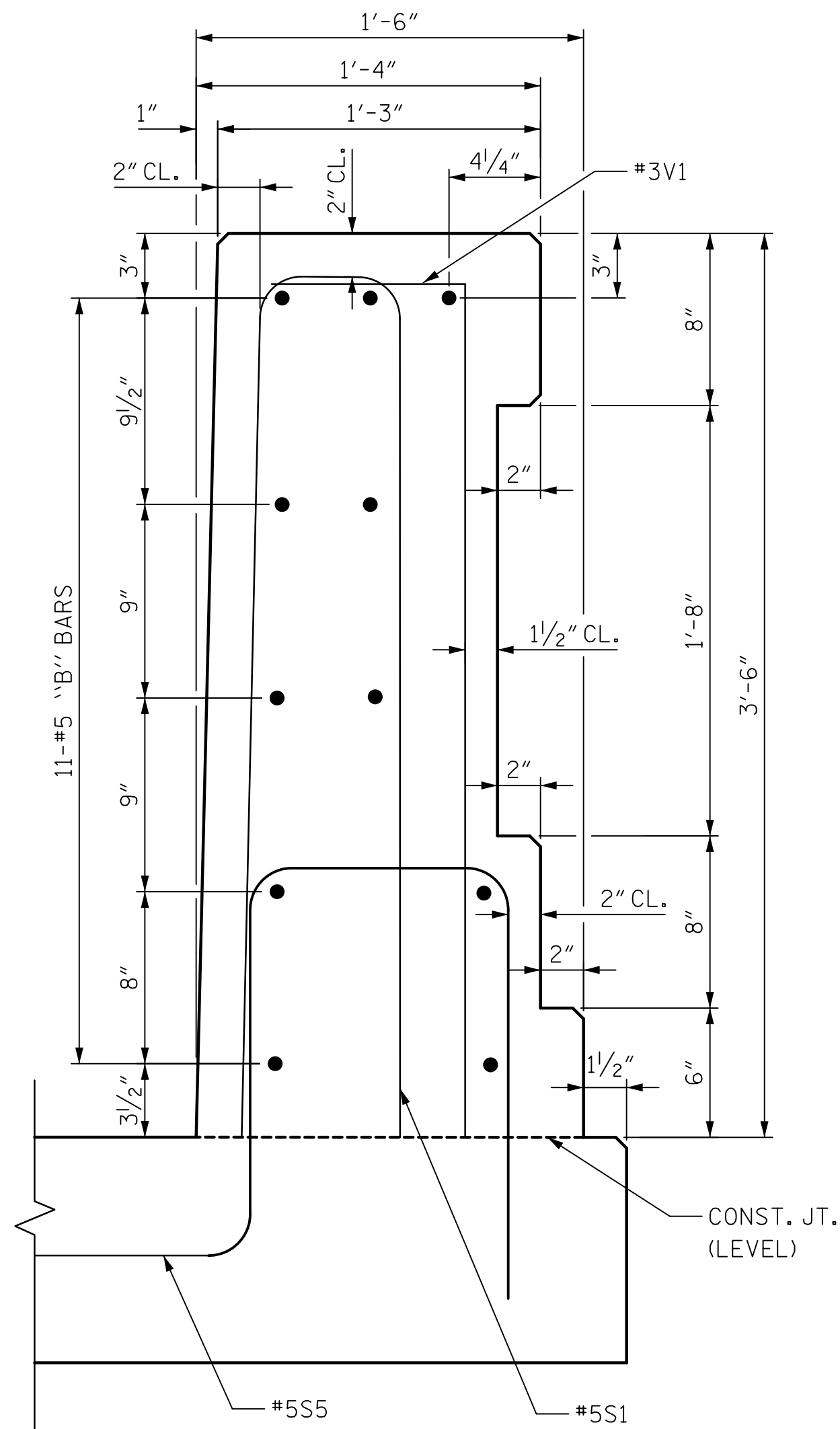
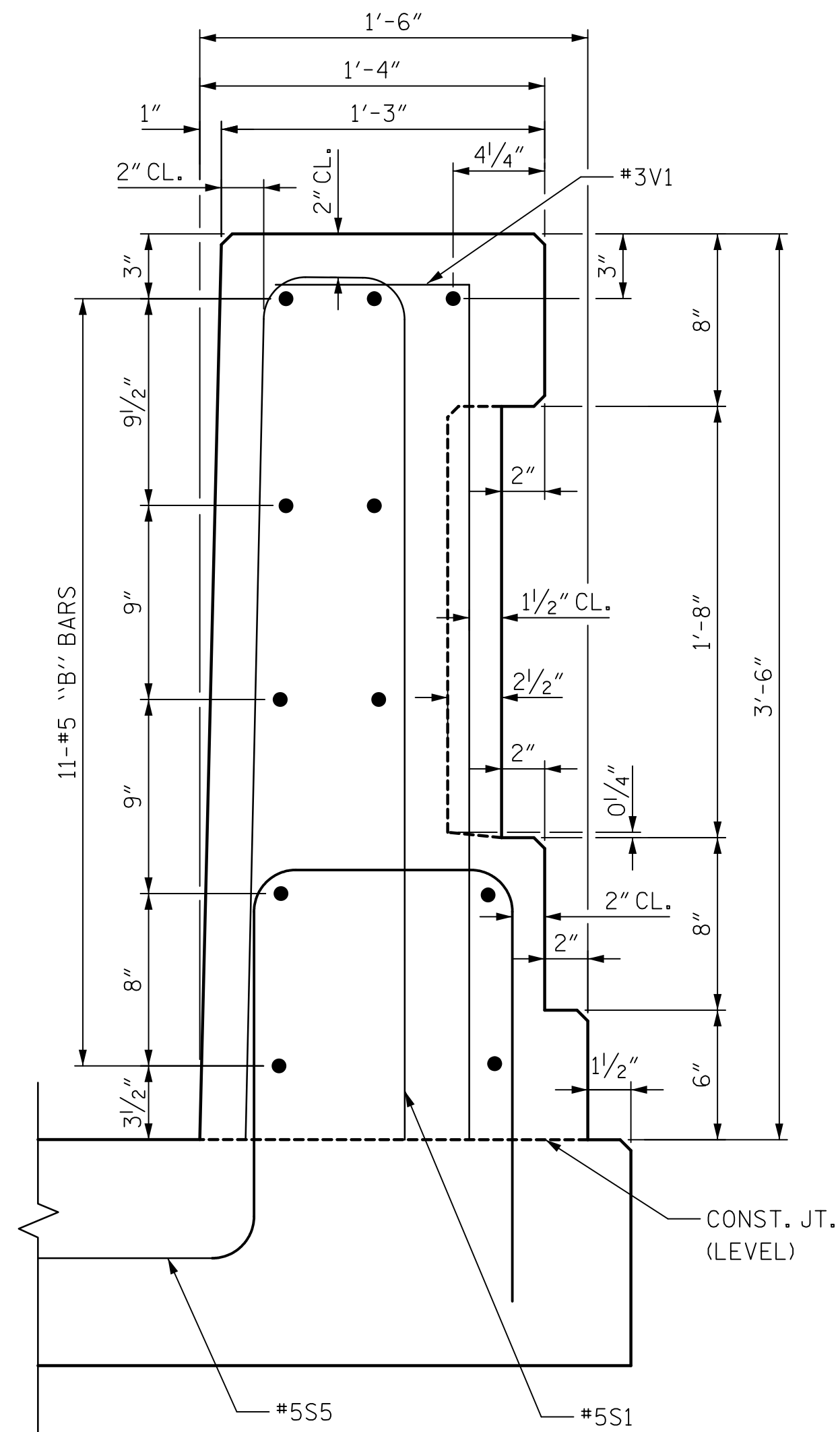
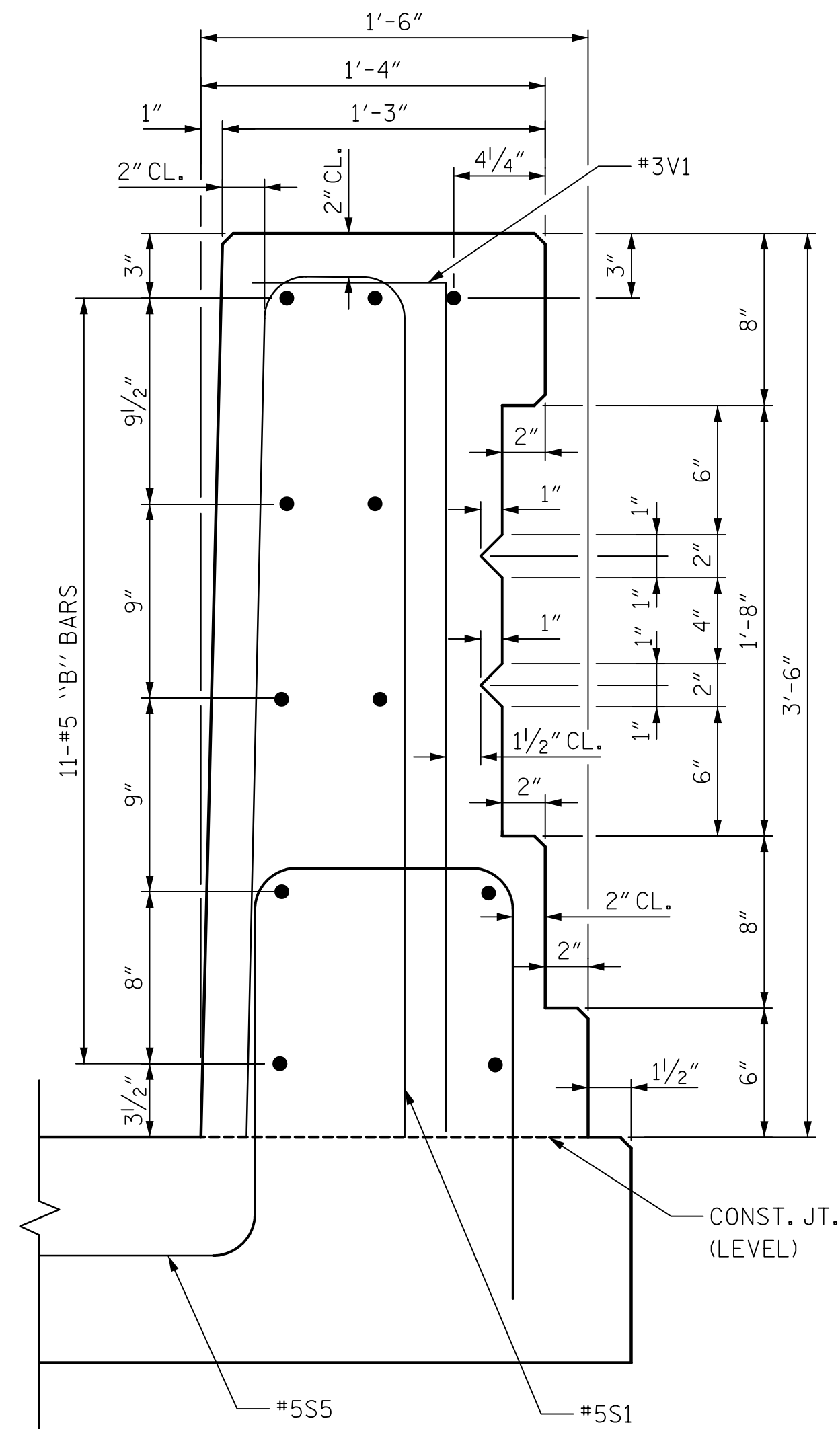


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NOTES

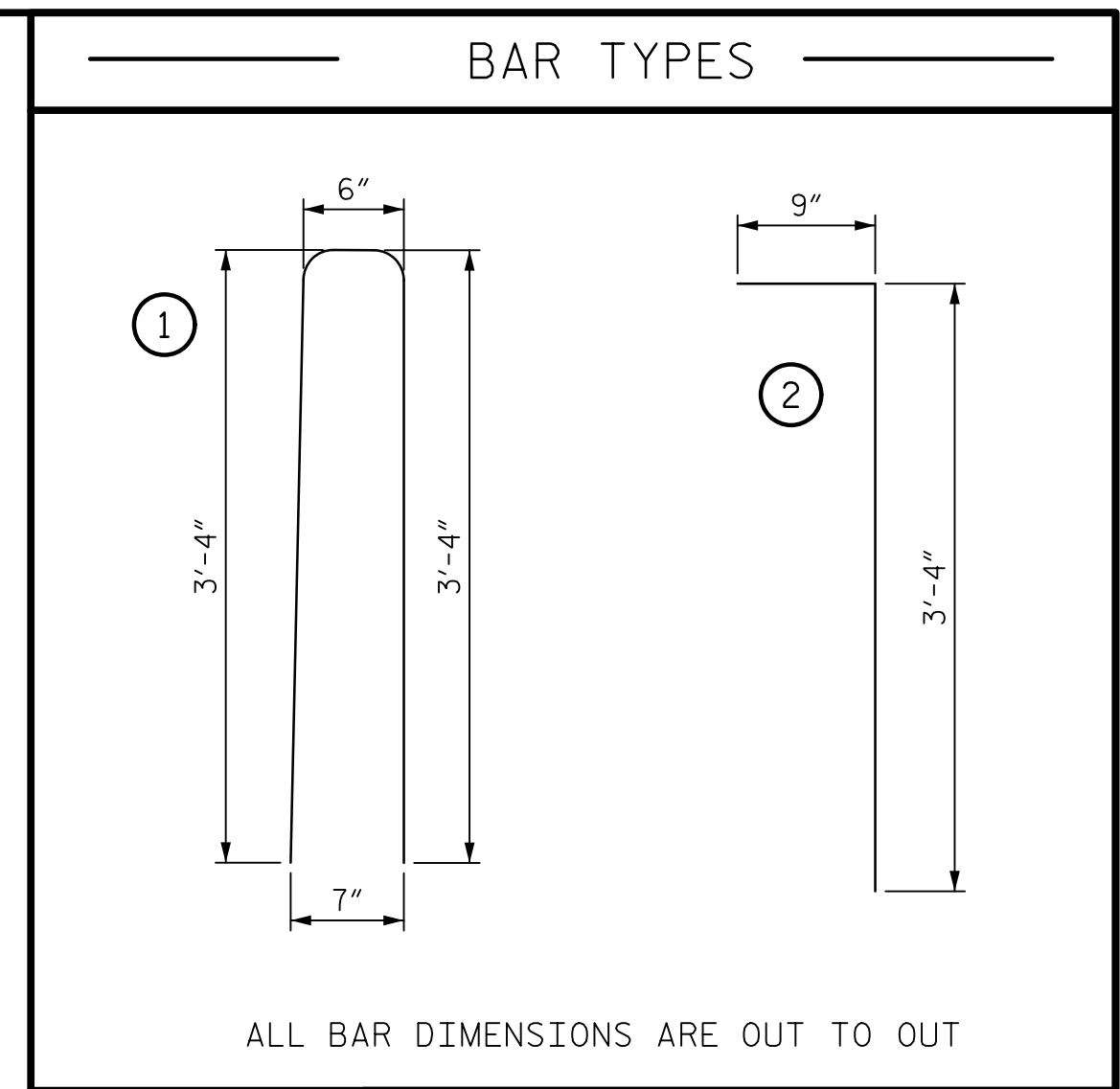
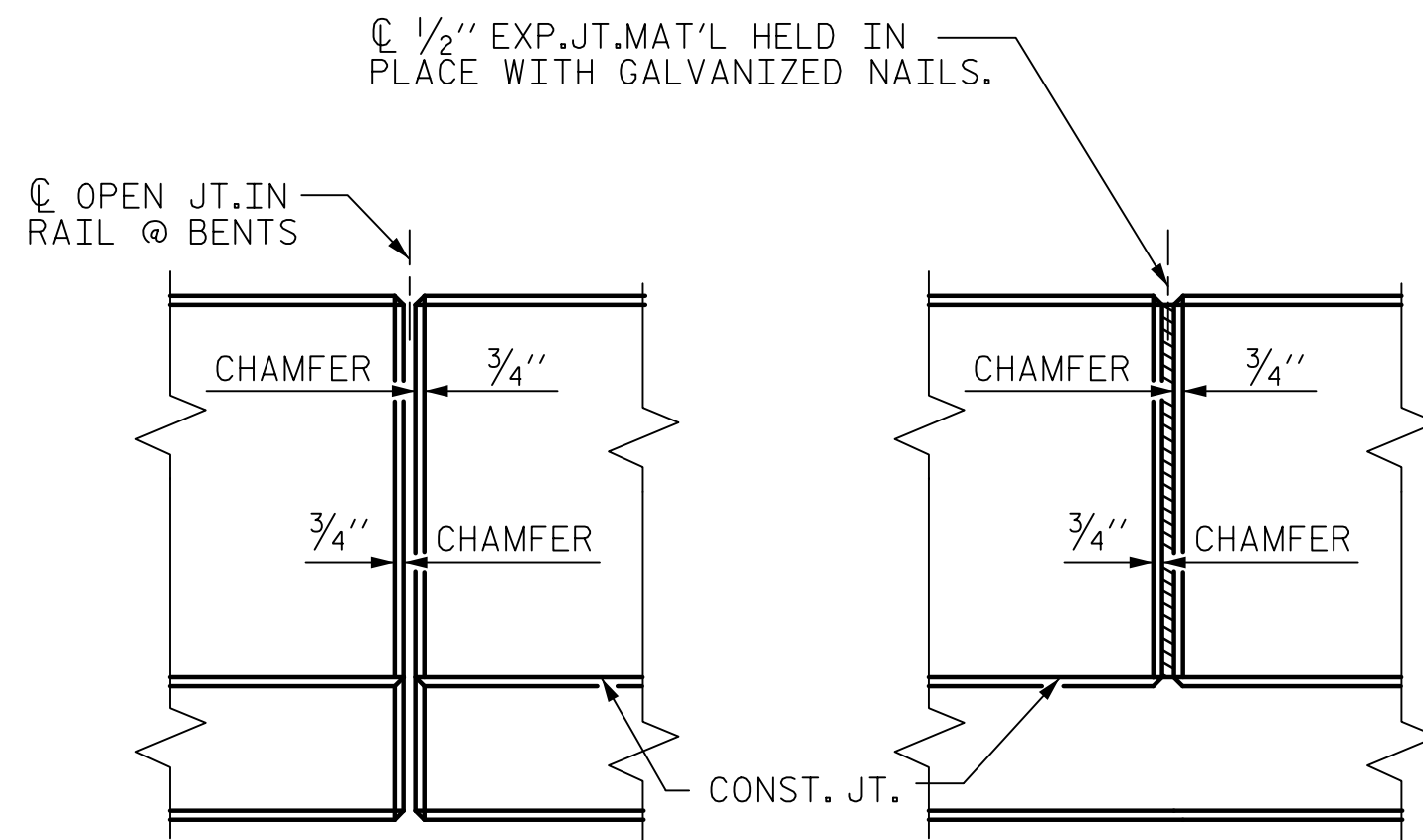
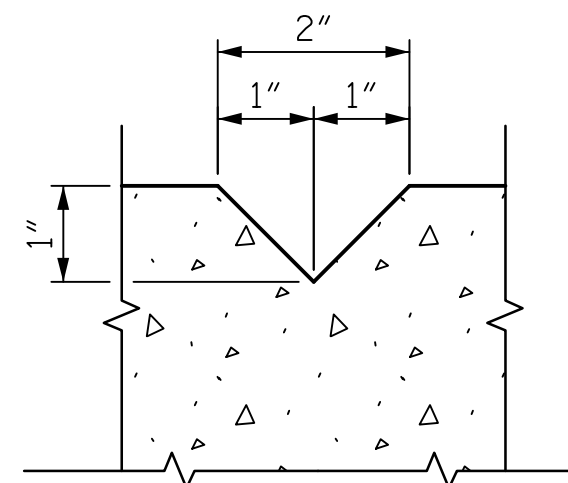
THE BARRIER RAIL IN EACH SPAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT SPAN HAS BEEN CAST AND HAS REACHED ITS SPECIFIED DESIGN STRENGTH.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS. ONLY ONE CONTRACTION JOINT IS REQUIRED AT MIDPOINT OF BARRIER RAIL SEGMENTS LESS THAN 20 FEET IN LENGTH AND NO CONTRACTION JOINTS ARE REQUIRED FOR THOSE SEGMENTS LESS THAN 10 FEET IN LENGTH. CONTRACTION JOINTS SHALL BE LOCATED IN THE RECESS BETWEEN BALUSTERS.

ALL SURFACES OF THE BARRIER
RAIL SHALL RECEIVE A CLASS II SURFACE FINISH.

COST TO FABRICATE AND INSTALL BAR #5S5 SHALL BE INCLUDED IN THE REINFORCED CONCRETE DECK SLAB PAY ITEM.



— BILL OF MATERIAL —					
FOR CLASSIC CONCRETE		BRIDGE RAIL		ONLY	
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	44	#5	STR	23'-8"	1086
B2	44	#5	STR	16'-8"	765
B3	22	#5	STR	20'-7"	472
B4	44	#5	STR	20'-1"	922
B5	22	#5	STR	25'-3"	579
B6	88	#5	STR	20'-5"	1874
B7	880	#5	STR	16'-3"	14915
B8	88	#5	STR	22'-2"	2035
B9	22	#5	STR	23'-9"	545
B10	44	#5	STR	22'-1"	1013
B11	22	#5	STR	21'-3"	488
B12	22	#5	STR	22'-9"	522
S1	2298	#5	1	7'-2"	17177
V1	3272	#3	2	4'-1"	5023
* EPOXY COATED REINF. STEEL					47,416 LBS.
CLASS AA CONCRETE				346.5 CU. YDS.	
CONCRETE BARRIER RAIL				2,247 LIN. FT.	
CLASS II SURFACE PREPARATION				2,497 SQ. YDS.	

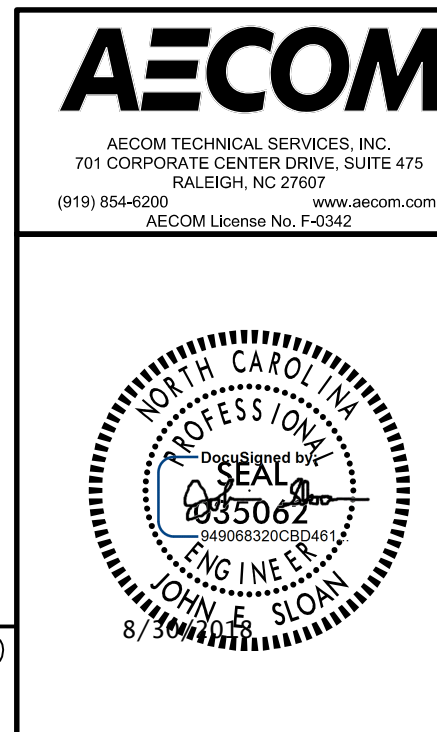
NOTE:
FOR #5S5 BAR DETAILS AND QUANTITIES,
SEE "SUPERSTRUCTURE BILL OF MATERIAL".

PROJECT NO. B-4974

STANLY/MONTGOMERY COUNTY

STATION: 339+86.39 -L-

SHEET 9 OF 9



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

CONCRETE BARRIER RAIL SECTIONS

DRAWN BY :	<u>H.ROSEMOND</u>	DATE :	<u>5/2017</u>
CHECKED BY :	<u>G.HAMILTON</u>	DATE :	<u>9/2017</u>
DESIGNED BY :	<u>H.ROSEMOND</u>	DATE :	<u>5/2017</u>
DESIGN CHECKED BY :	<u>G.HAMILTON</u>	DATE :	<u>10/2017</u>

REVISIONS						SHEET NO. S-49
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 148
2			4			

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED