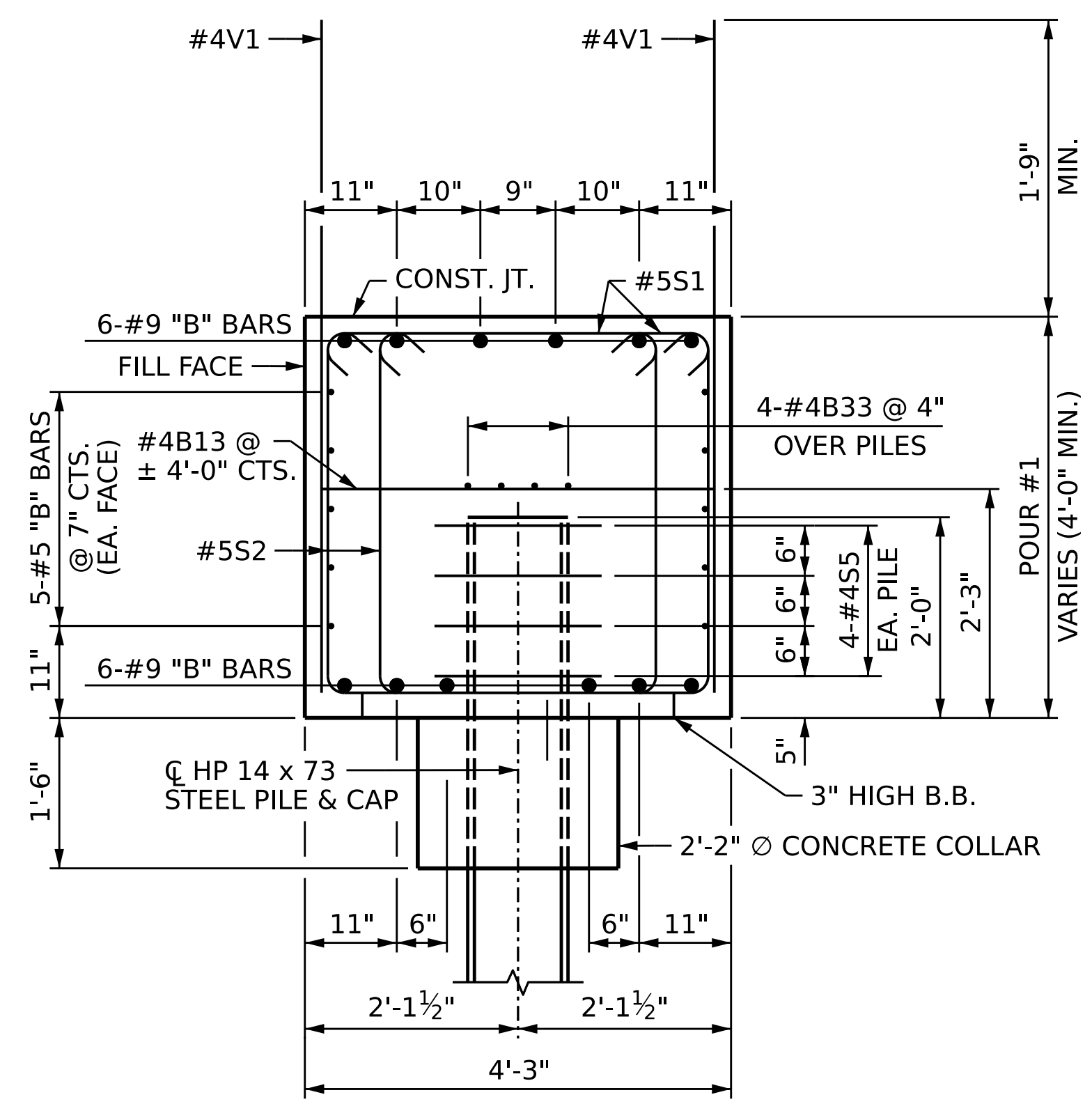


**NOTES:**

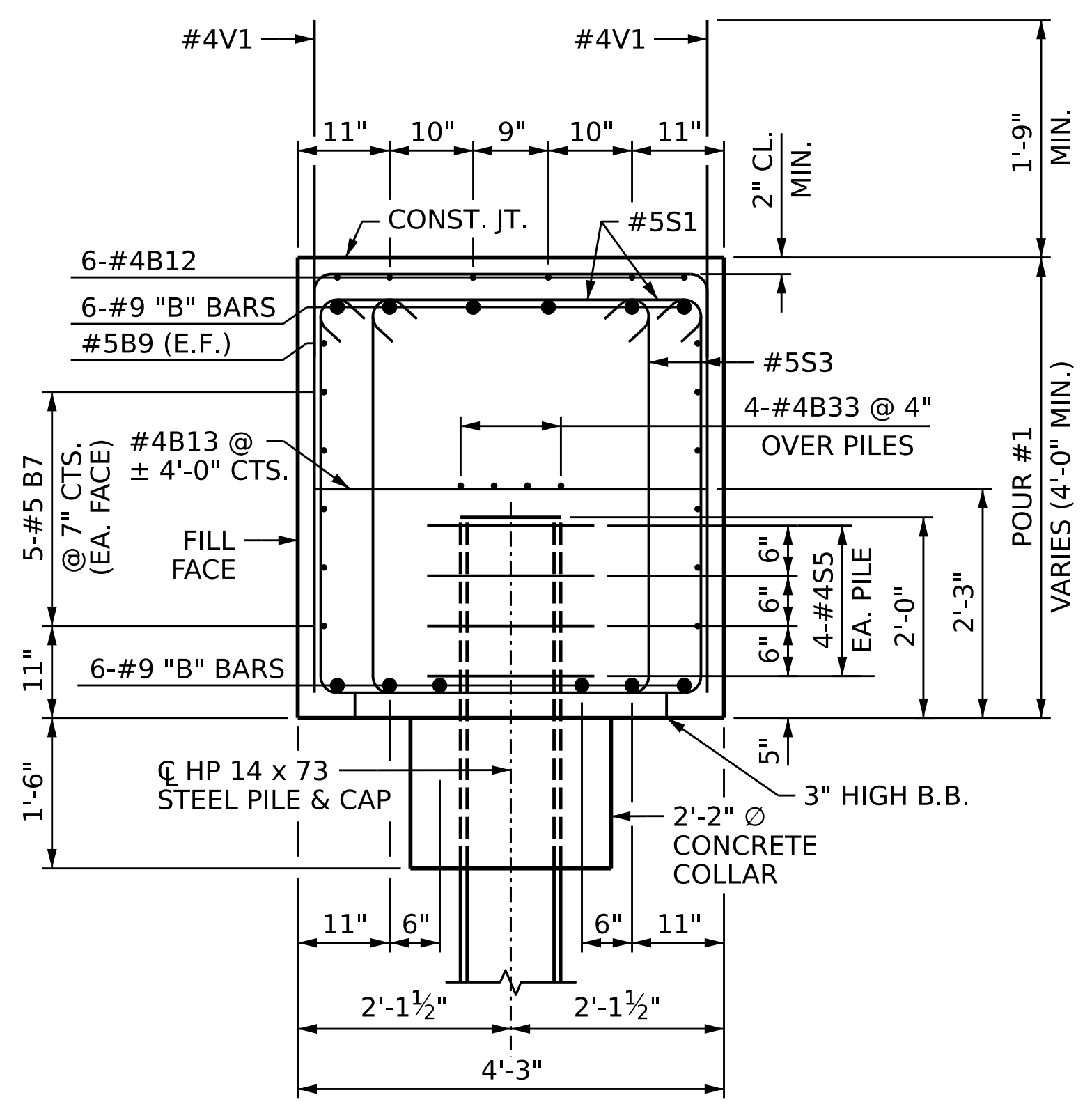
MECHANICAL COUPLERS SHALL BE USED TO JOIN THE #9 BARS IN STAGE I WITH THE #9 "B" BARS IN STAGE II. THE LOCATION OF THE COUPLERS SHALL BE STAGGERED ON ALTERNATING BARS BY 2'-0" AND THE STAGE I BARS SHALL BE CUT ACCORDINGLY TO ALLOW A MINIMUM OF 1'-0" AND A MAXIMUM OF 3'-0" EXTENSION INTO STAGE II CONSTRUCTION.

FOR MECHANICAL COUPLERS, SEE MECHANICAL BUTT SPLICES FOR REINFORCING STEEL IN STANDARD SPECIFICATIONS.

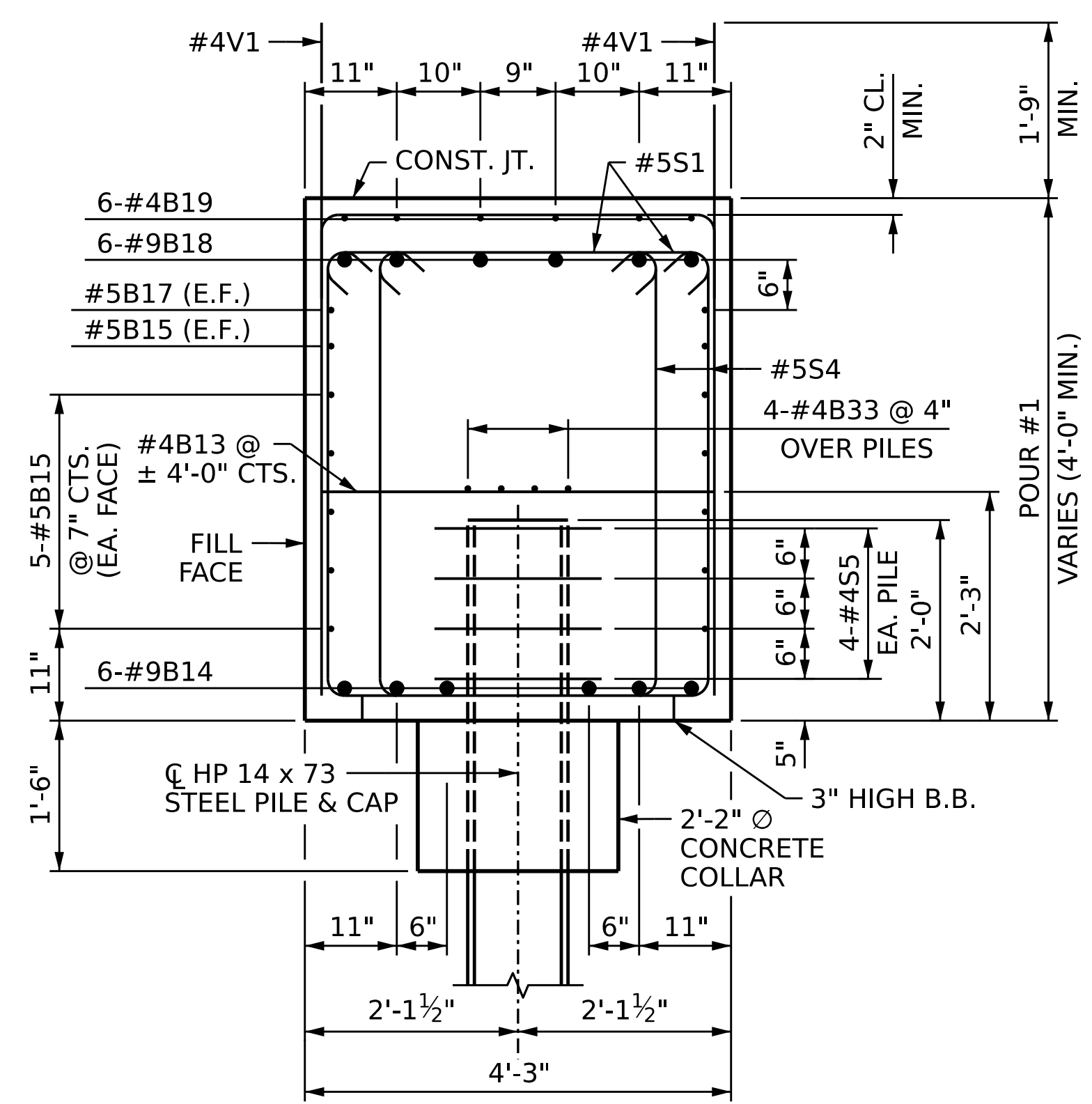
THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE LENGTHS OF THE #9 "B" BARS AT THE STAGED CONSTRUCTION JOINT MAY NEED TO BE ADJUSTED DUE TO THE TYPE OF MECHANICAL BUTT SPLICE CHOSEN BY THE CONTRACTOR. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY ADJUSTMENTS.



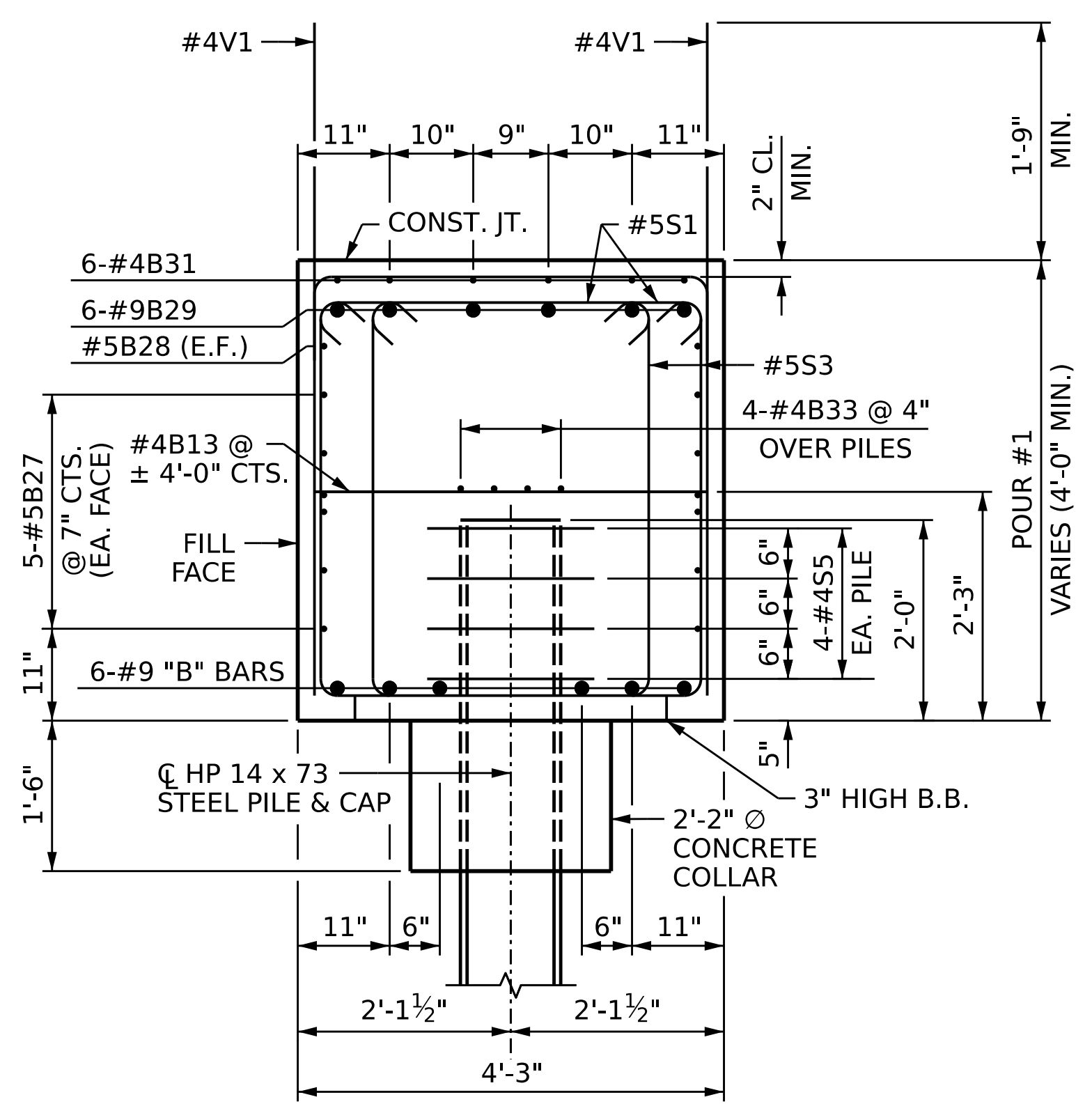
**SECTION A-A**



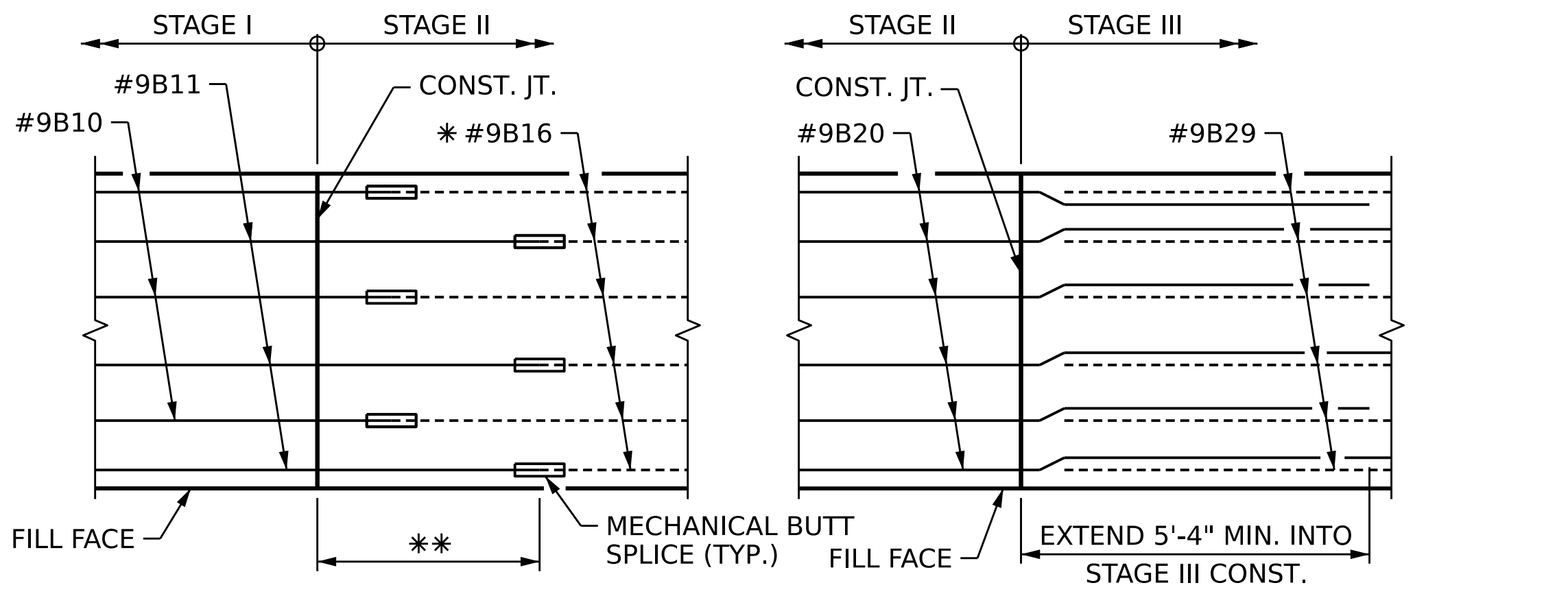
**SECTION B-B**



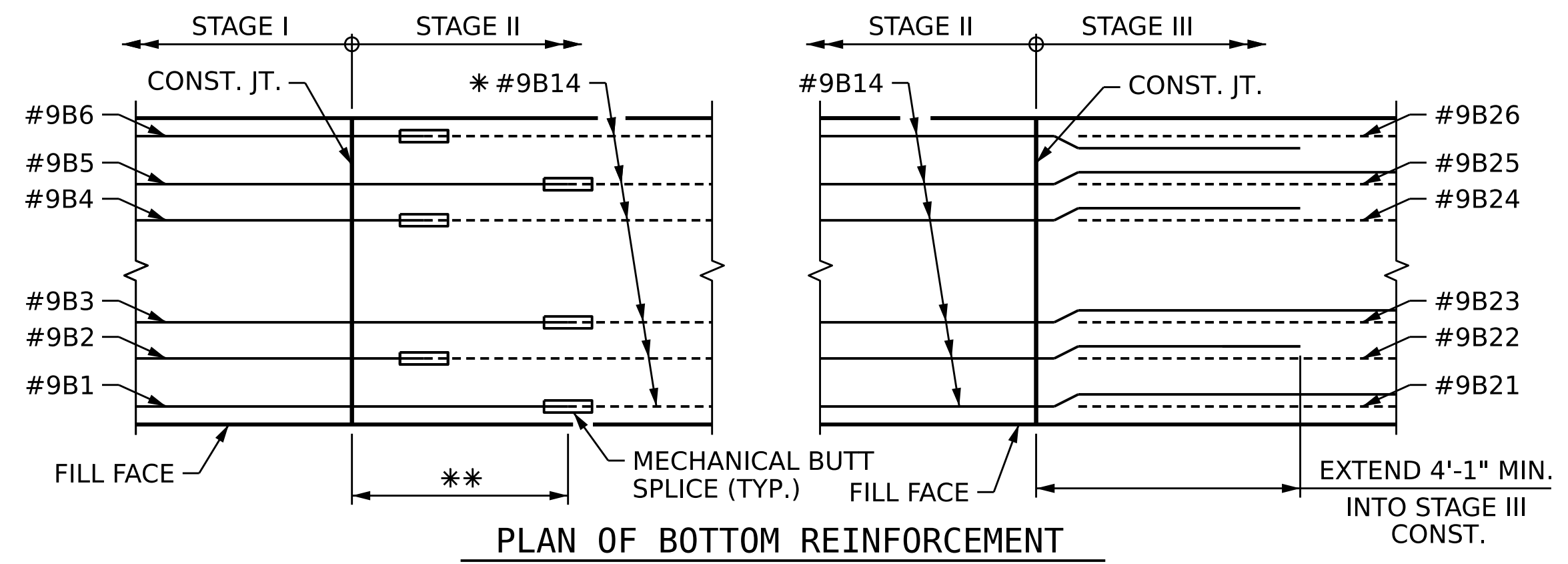
**SECTION C-C**



**SECTION D-D**



**PLAN OF TOP REINFORCEMENT**



**PLAN OF BOTTOM REINFORCEMENT**

- \*\* STAGE I TOP AND BOTTOM "B" BARS ARE DETAILED WITH STAGGERED 1'-0" AND 3'-0" EXTENSIONS BEYOND CONSTRUCTION JOINT.
- \* PLACE ALL BARS AT OR NEAR THE END OF BARS EXTENDING FROM PREVIOUS STAGE.

**DETAIL "B"**

PROJECT NO. B-4442  
 BUNCOMBE COUNTY  
 STATION: 315+72.39 -L-  
 SHEET 5 OF 6

**AECOM**  
AECOM TECHNICAL SERVICES OF NC, INC.  
 5430 WADE PARK BOULEVARD, SUITE 200  
 RALEIGH, NC 27607  
 (919) 854-6200 www.aecom.com  
 AECOM License No. F02842

Professional Engineer Seal:  
 JOHN E. SLOAN  
 035062  
 8/17/2022

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUBSTRUCTURE <b>INTEGRAL END BENT 1</b> SECTIONS AND DETAILS					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
SHEET NO.					S-38
TOTAL SHEETS					58

DRAWN BY: D.R. DRUM DATE: 03/2022  
 CHECKED BY: J.C. MORRISON DATE: 05/2022  
 DESIGN ENGINEER OF RECORD: J.E. SLOAN DATE: 05/2022

DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED