

**NOTES**

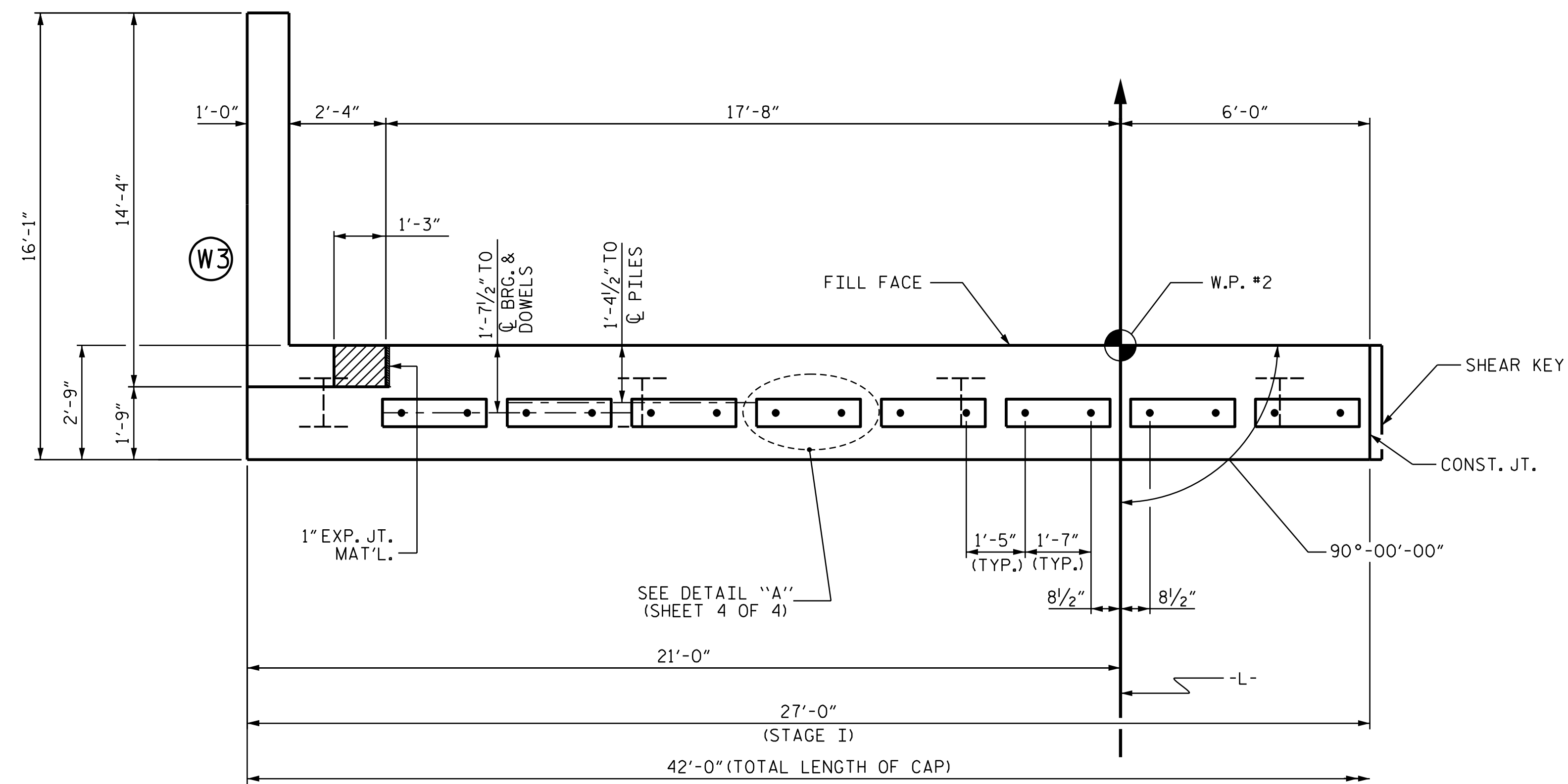
STIRRUPS IN CAP MAY BE SHIFTED AS NECESSARY TO CLEAR DOWELS.

THE CONCRETE IN THE SHADED AREA OF THE WING SHALL BE POURED AFTER THE VERTICAL CONCRETE BARRIER RAIL IS CAST IF SLIP FORMING IS USED.

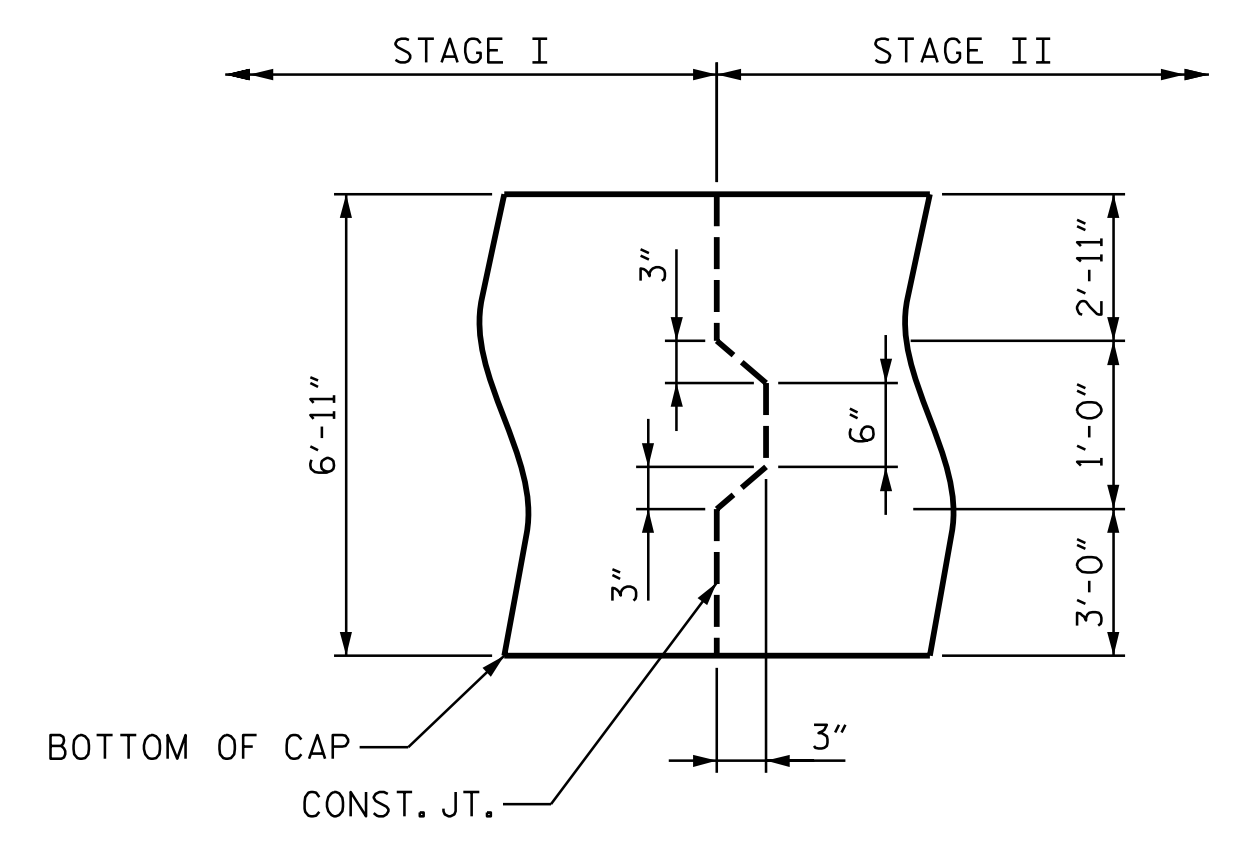
MECHANICAL COUPLERS SHALL BE USED TO JOIN #9 'B' BARS IN STAGE I WITH #9 'B' BARS IN STAGE II. THE LOCATION OF THE COUPLERS SHALL BE STAGGERED ON ALTERNATING BARS BY 1 FOOT AND THE BARS SHALL BE CUT ACCORDINGLY TO ALLOW A MINIMUM OF 1'-6" EXTENSION INTO STAGE II CONSTRUCTION.

FOR PILE SPLICE DETAILS, SEE SHEET 4 OF 4.

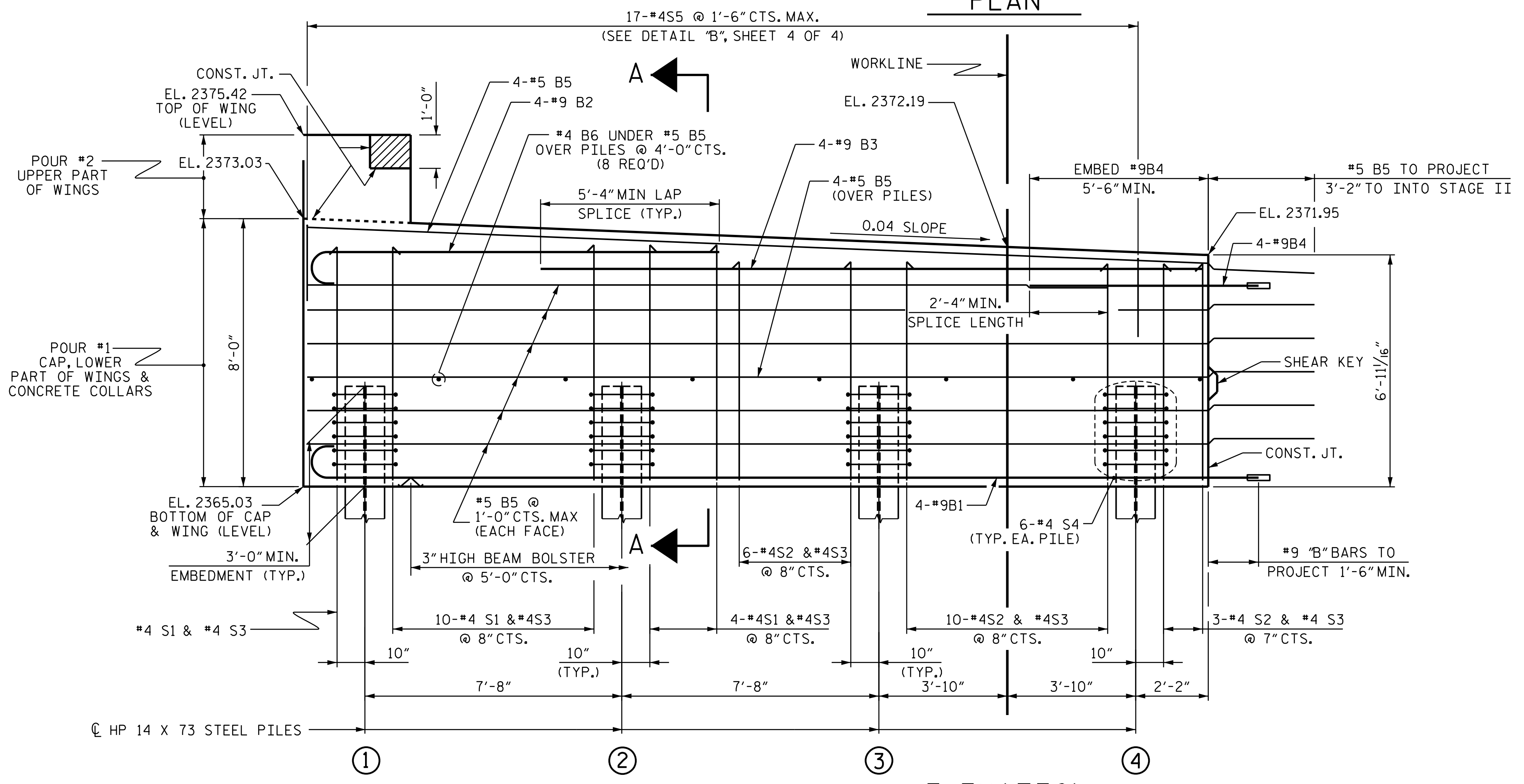
FOR WING DETAILS, SEE SHEET 3 OF 4.



**PLAN**



**SECTION THRU SHEAR KEY**



**ELEVATION**

WING NOT SHOWN FOR CLARITY.  
FOR SECTION A-A, SEE SHEET 4 OF 4.  
CONCRETE COLLARS FOR STEEL PILES NOT SHOWN IN PLAN AND ELEVATION VIEWS FOR CLARITY.  
SEE "CORROSION PROTECTION FOR STEEL PILES DETAIL", SHEET 4 OF 4.

PROJECT NO. B-5893  
MITCHELL COUNTY  
STATION: 12+89.50 -L-

SHEET 1 OF 4

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

**SUBSTRUCTURE**

**END BENT No. 2**

**STAGE I**

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

3/24/2023

DocuSigned by:  
*Jaime Wheatley*

**wsp**

WSP USA Inc.  
434 FAYETTEVILLE STREET  
SUITE 1500  
RALEIGH, NC 27601  
TEL: 1.919.836.4040  
LICENSE NO. F-0165

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-18
1			3			TOTAL SHEETS
2			4			24

3/24/2023 4:18:30PM J:\188906R-14 B-5893 Bridge 19 over Cub Creek Structures\2.0 Drafting\DCNs\401.037\_B5893\_SMU.E201.dgn

DESIGNED BY: J. WHEATLEY DATE: MAR 2023  
DRAWN BY: J. WHEATLEY DATE: MAR 2023  
CHECKED BY: T. KIRSCHBAUM DATE: MAR 2023  
DESIGN ENGINEER OF RECORD: J. WHEATLEY DATE: MAR 2023