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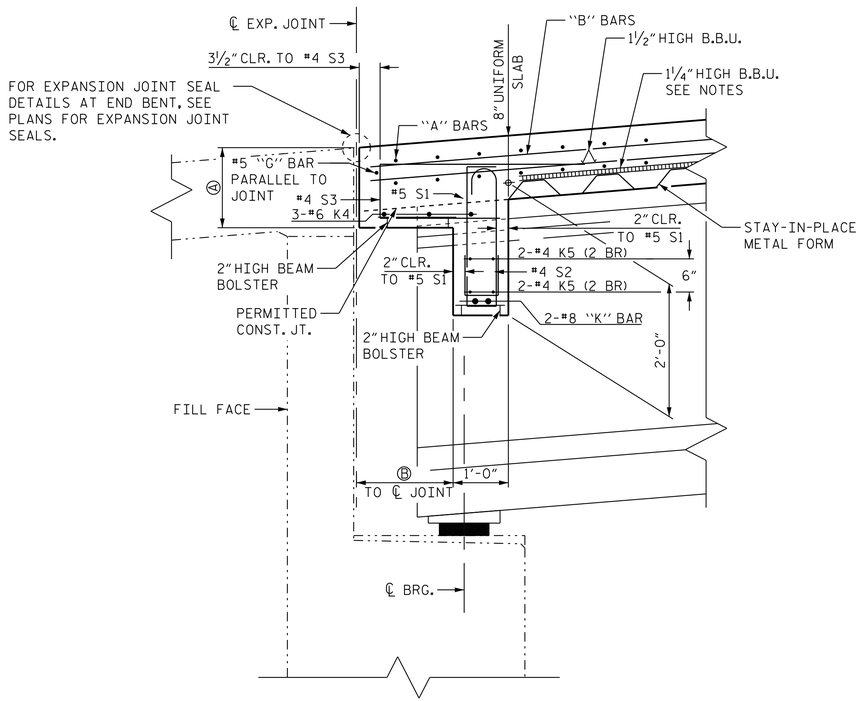
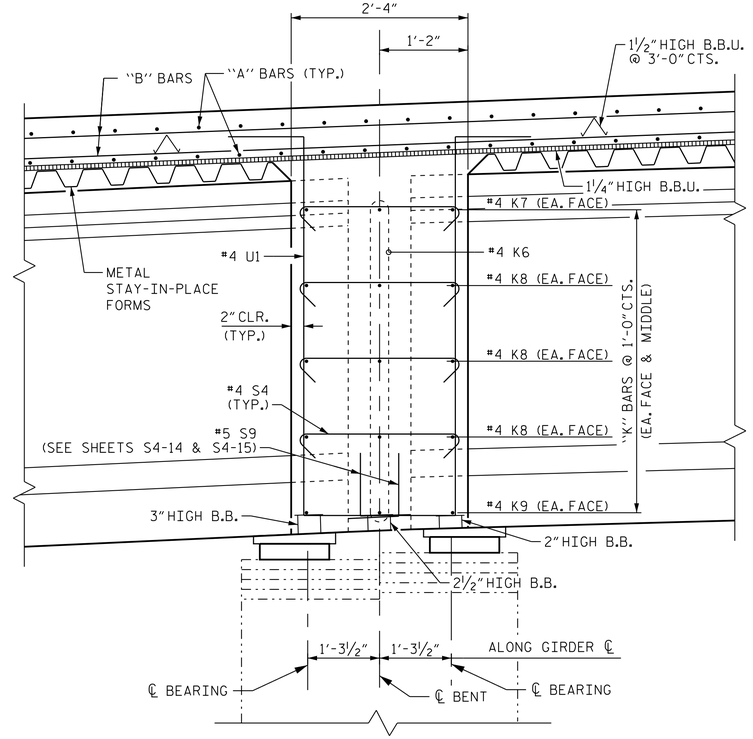


Ⓐ : 1'-2" @ END BENT 1; 1'-3" @ END BENT 2
Ⓑ : 1'-10" @ END BENT 1; 1'-10" @ END BENT 2

SECTION A-A

SECTION THROUGH END BENT DIAPHRAGM



SECTION B-B

SECTION THROUGH INTERIOR BENT DIAPHRAGM

NOTES

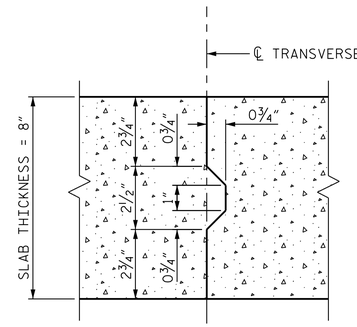
PROVIDE 1¼" HIGH BEAM BOLSTERS UPPER AT 4'-0" CTS. ATOP THE METAL STAY-IN-PLACE FORMS TO SUPPORT THE BOTTOM MAT OF "A" BARS. WHEN USING REMOVABLE FORMS, PROVIDE CONTINUOUS HIGH CHAIRS FOR METAL DECK (C.H.C.M.) @ 4'-0" CTS. WITH A HEIGHT TO SUPPORT THE BOTTOM MAT OF "A" BARS A CLEAR DISTANCE OF 2½" ABOVE THE TOP OF THE REMOVABLE FORM.

LONGITUDINAL STEEL MAY BE SHIFTED SLIGHTLY, AS NECESSARY, TO AVOID INTERFERENCE WITH STIRRUPS IN PRESTRESSED CONCRETE GIRDERS.

NO CHAMFER IS REQUIRED ON CORNERS OF GIRDER BUILDUPS.

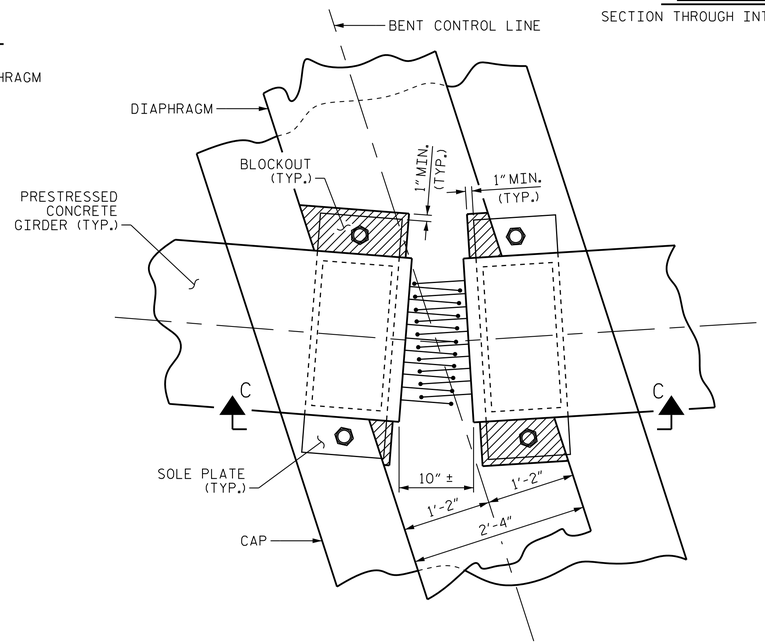
PREVIOUSLY CAST CONCRETE IN A CONTINUOUS UNIT SHALL HAVE ATTAINED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI BEFORE ADDITIONAL CONCRETE IS CAST IN THE UNIT.

#5 G1 BAR MAY BE SHIFTED SLIGHTLY, AS NECESSARY, TO CLEAR REINFORCING STEEL AND STIRRUPS.

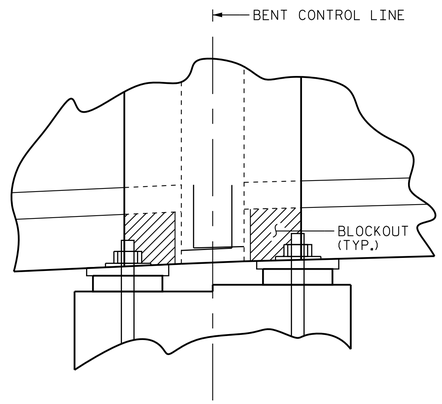


TRANSVERSE CONST. JOINT DETAIL

REINFORCING STEEL IN SLAB NOT SHOWN.
LONGITUDINAL REINFORCING STEEL SHALL BE CONTINUOUS THROUGH JOINT.



BENT DIAPHRAGM BLOCK-OUT DETAIL



SECTION C-C

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

PROJECT NO. R-2707D
CLEVELAND COUNTY
STATION: 36+78.38 -RAMP A-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUPERSTRUCTURE

TYPICAL SECTION DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S4-09
1			3			TOTAL SHEETS
2			4			43

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 47083 VICTOR E. FRAGA

DocuSigned by: Victor E. Fraga 5/10/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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DRAWN BY : M. B. ISENHOUR DATE : 12/21/22
CHECKED BY : V. E. FRAGA DATE : 01/05/23
DESIGN ENGINEER OF RECORD: V. E. FRAGA DATE : 05/09/23

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