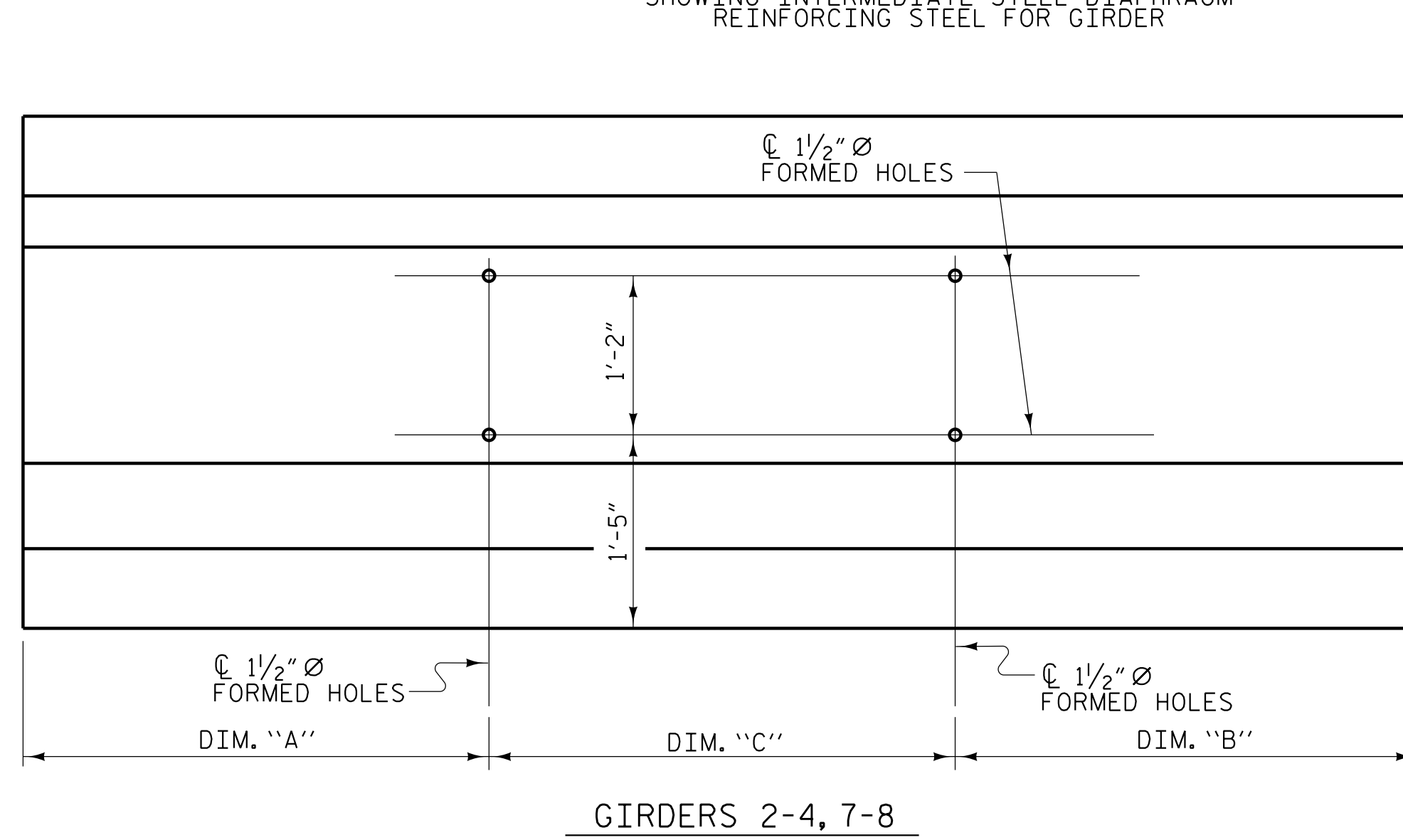
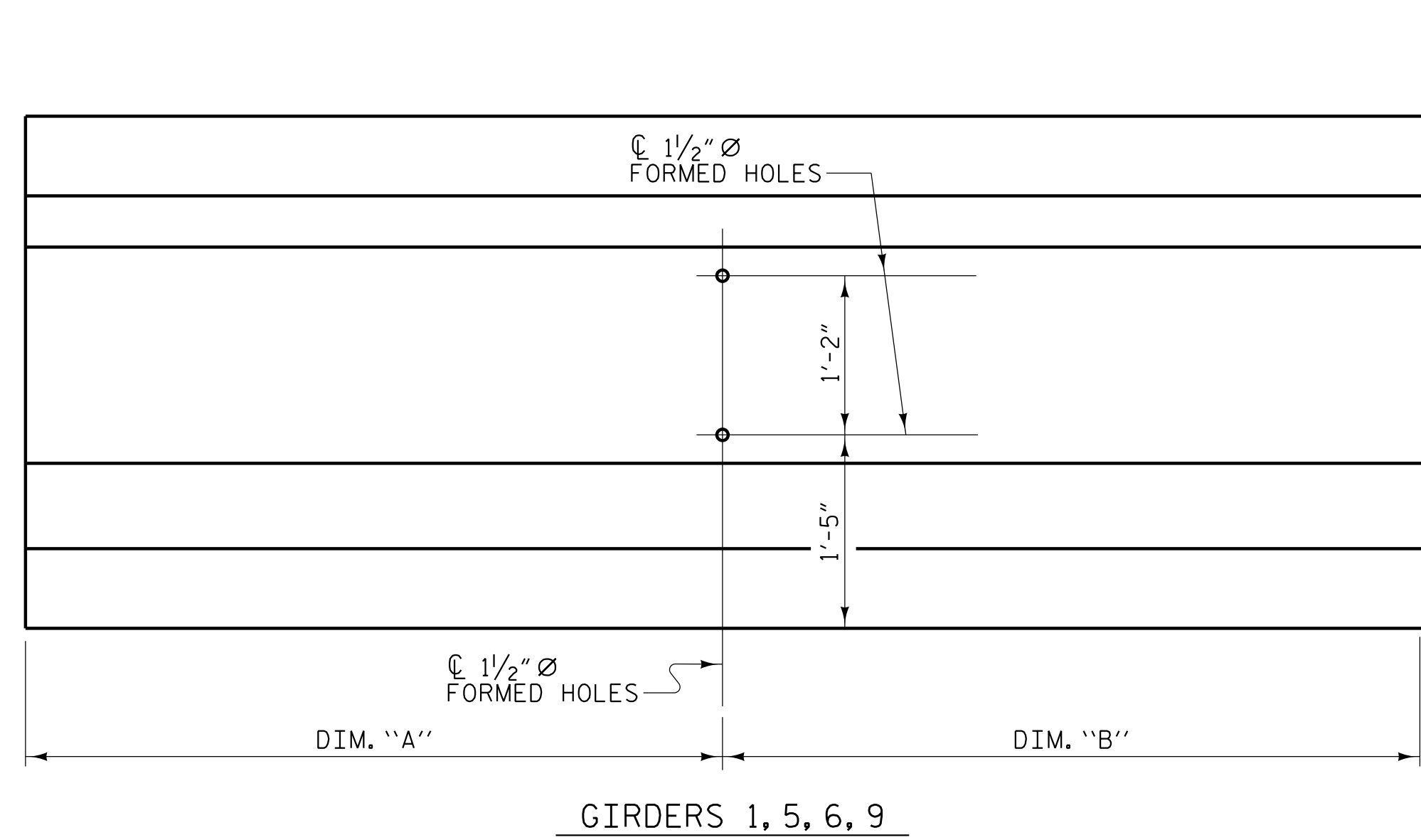


**PARTIAL ELEVATION**  
SHOWING INTERMEDIATE STEEL DIAPHRAGM REINFORCING STEEL FOR GIRDER



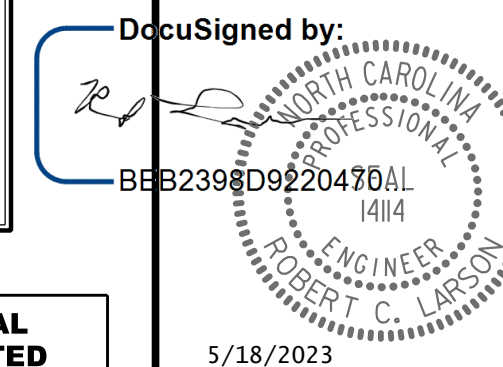
**BOLT HOLE PLACEMENT**

GDR. NO.	BOLT HOLE PLACEMENT DIMENSIONS								
	SPAN A			SPAN B			SPAN C		
	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "A"	DIM. "B"	DIM. "C"
1	34'-8 <sup>1</sup> / <sub>16</sub> "	20'-3 <sup>7</sup> / <sub>16</sub> "	-	38'-7 <sup>3</sup> / <sub>16</sub> "	26'-9 <sup>3</sup> / <sub>16</sub> "	-	31'-4 <sup>3</sup> / <sub>4</sub> "	22'-0 <sup>1</sup> / <sub>4</sub> "	-
2	27'-5 <sup>3</sup> / <sub>4</sub> "	20'-5 <sup>7</sup> / <sub>8</sub> "	6'-11 <sup>7</sup> / <sub>8</sub> "	32'-8 <sup>1</sup> / <sub>2</sub> "	26'-11 <sup>1</sup> / <sub>16</sub> "	5'-9 <sup>7</sup> / <sub>16</sub> "	26'-8 <sup>1</sup> / <sub>2</sub> "	22'-1 <sup>7</sup> / <sub>16</sub> "	4'-7 <sup>1</sup> / <sub>16</sub> "
3	27'-5 <sup>3</sup> / <sub>4</sub> "	20'-8 <sup>1</sup> / <sub>4</sub> "	6'-9 <sup>1</sup> / <sub>2</sub> "	32'-8 <sup>1</sup> / <sub>2</sub> "	27'-0 <sup>3</sup> / <sub>16</sub> "	5'-7 <sup>1</sup> / <sub>16</sub> "	26'-8 <sup>1</sup> / <sub>2</sub> "	22'-2 <sup>9</sup> / <sub>16</sub> "	4'-5 <sup>5</sup> / <sub>16</sub> "
4	27'-5 <sup>3</sup> / <sub>4</sub> "	20'-10 <sup>7</sup> / <sub>16</sub> "	6'-7 <sup>5</sup> / <sub>16</sub> "	32'-8 <sup>1</sup> / <sub>2</sub> "	27'-2 <sup>1</sup> / <sub>2</sub> "	5'-6"	26'-8 <sup>1</sup> / <sub>2</sub> "	22'-3 <sup>11</sup> / <sub>16</sub> "	4'-4 <sup>13</sup> / <sub>16</sub> "
5	27'-5 <sup>3</sup> / <sub>4</sub> "	27'-5 <sup>3</sup> / <sub>4</sub> "	-	32'-8 <sup>1</sup> / <sub>2</sub> "	32'-8 <sup>1</sup> / <sub>2</sub> "	-	26'-8 <sup>1</sup> / <sub>2</sub> "	26'-8 <sup>1</sup> / <sub>2</sub> "	-
6	33'-9 <sup>1</sup> / <sub>16</sub> "	21'-2 <sup>7</sup> / <sub>16</sub> "	-	37'-11 <sup>7</sup> / <sub>16</sub> "	27'-5 <sup>9</sup> / <sub>16</sub> "	-	30'-11 <sup>5</sup> / <sub>16</sub> "	22'-5 <sup>11</sup> / <sub>16</sub> "	-
7	27'-5 <sup>3</sup> / <sub>4</sub> "	21'-4 <sup>1</sup> / <sub>4</sub> "	6'-1 <sup>1</sup> / <sub>2</sub> "	32'-8 <sup>1</sup> / <sub>2</sub> "	27'-7"	5'-1 <sup>1</sup> / <sub>2</sub> "	26'-8 <sup>1</sup> / <sub>2</sub> "	22'-6 <sup>5</sup> / <sub>8</sub> "	4'-1 <sup>7</sup> / <sub>8</sub> "
8	27'-5 <sup>3</sup> / <sub>4</sub> "	21'-6"	5'-11 <sup>3</sup> / <sub>4</sub> "	32'-8 <sup>1</sup> / <sub>2</sub> "	27'-8 <sup>5</sup> / <sub>16</sub> "	5'-0 <sup>3</sup> / <sub>16</sub> "	26'-8 <sup>1</sup> / <sub>2</sub> "	22'-7 <sup>9</sup> / <sub>16</sub> "	4'-0 <sup>15</sup> / <sub>16</sub> "
9	27'-5 <sup>3</sup> / <sub>4</sub> "	27'-5 <sup>3</sup> / <sub>4</sub> "	-	32'-8 <sup>1</sup> / <sub>2</sub> "	32'-8 <sup>1</sup> / <sub>2</sub> "	-	26'-8 <sup>1</sup> / <sub>2</sub> "	26'-8 <sup>1</sup> / <sub>2</sub> "	-

PROJECT NO. U-5839  
HAYWOOD COUNTY  
 STATION: 24+64.13 -L- POC

SHEET 4 OF 6

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUPERSTRUCTURE  
 PRESTRESSED CONCRETE GIRDER  
 DETAILS



**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S1-25
1			3			TOTAL SHEETS
2			4			63

DRAWN BY: W. B. ALLEN DATE: 9/19  
 CHECKED BY: Z. H. BROWN DATE: 1/20  
 DESIGN ENGINEER OF RECORD: R. C. LARSON DATE: 4/23

DocuSigned by:  
 BEB2398D9220470AL

5/17/2023 7:40:01PM R:\Structures\3 span Bridge over RRV25 US5839\_SMU\_G4\_430864.dgn