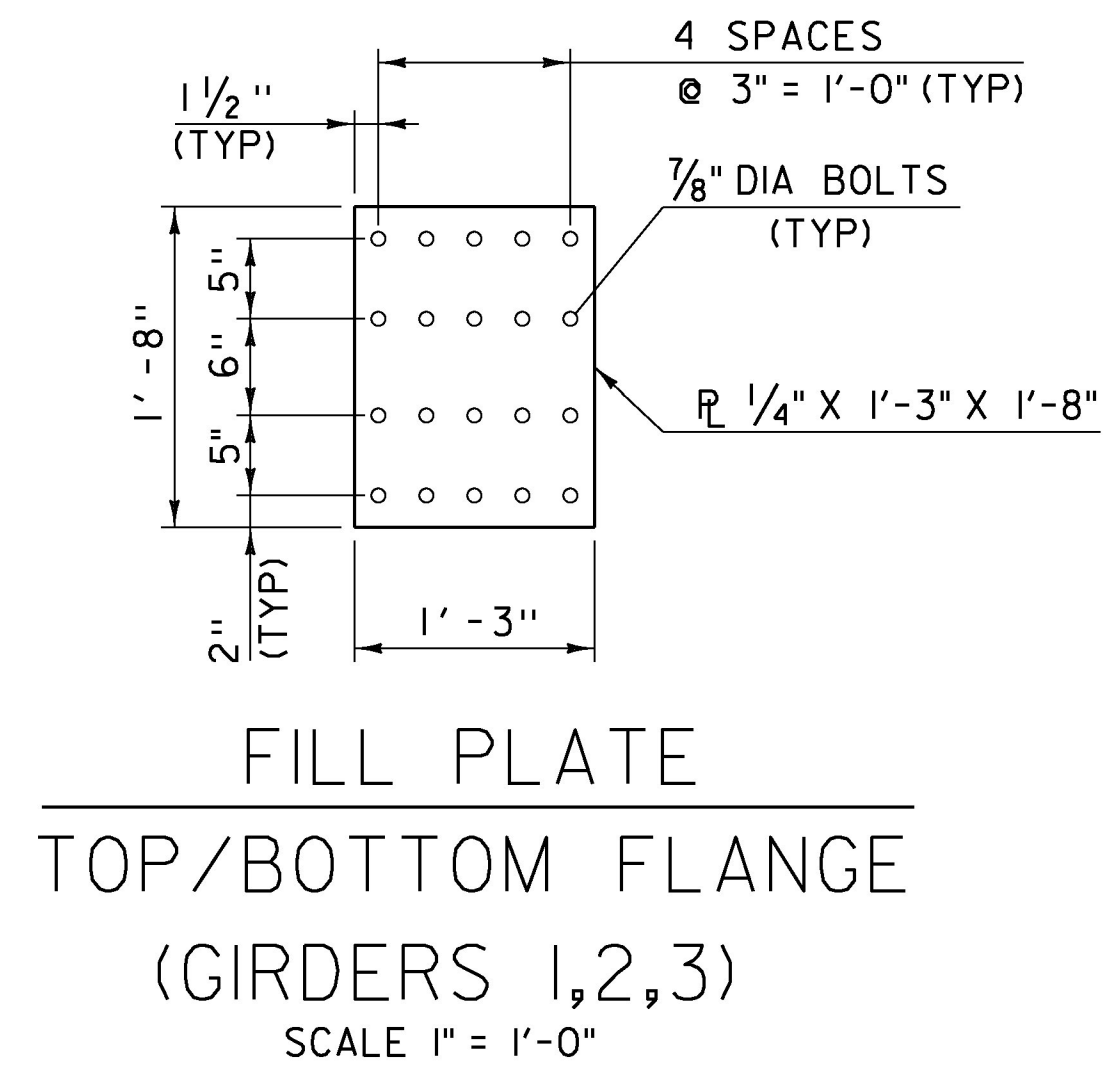
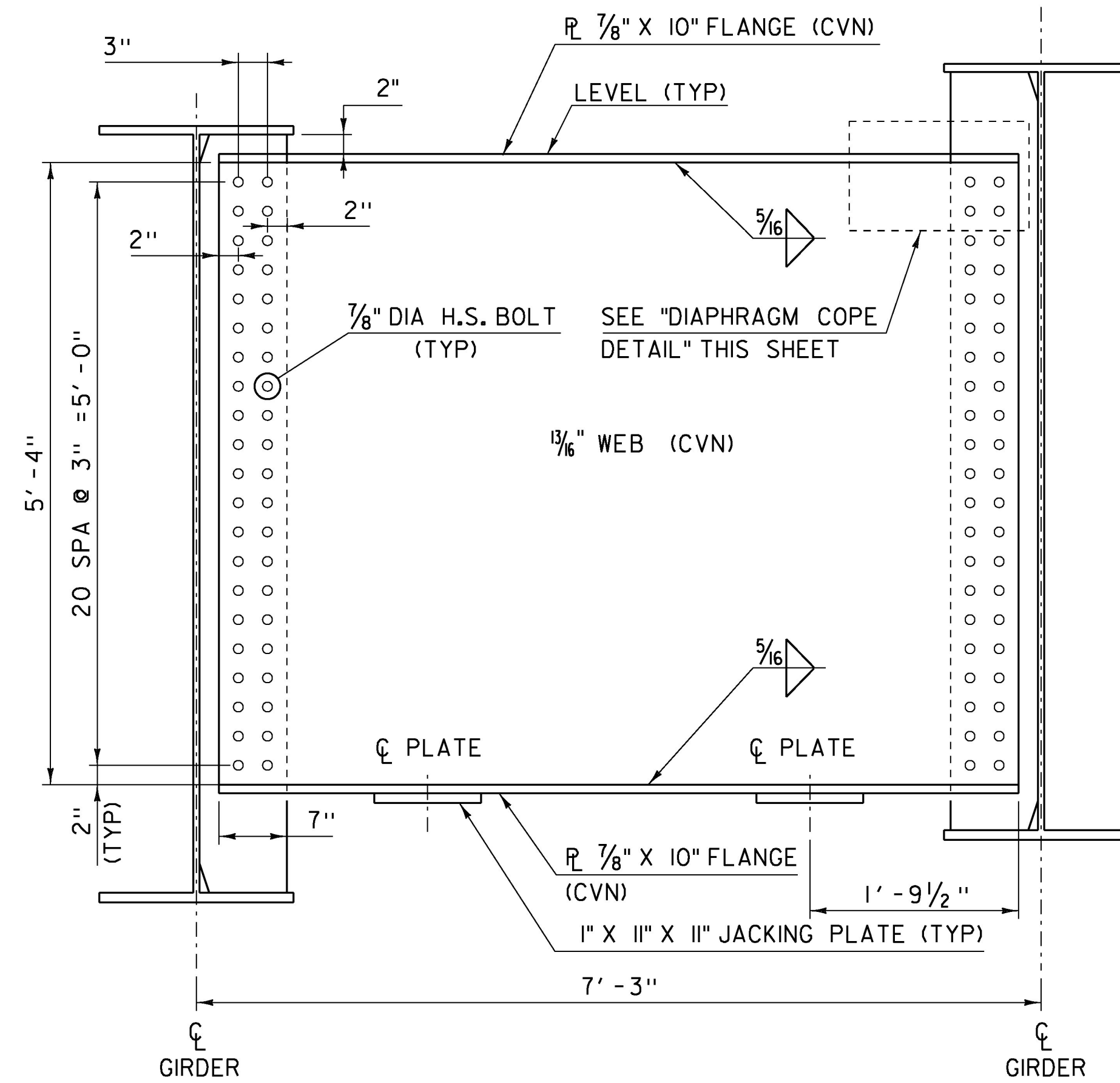


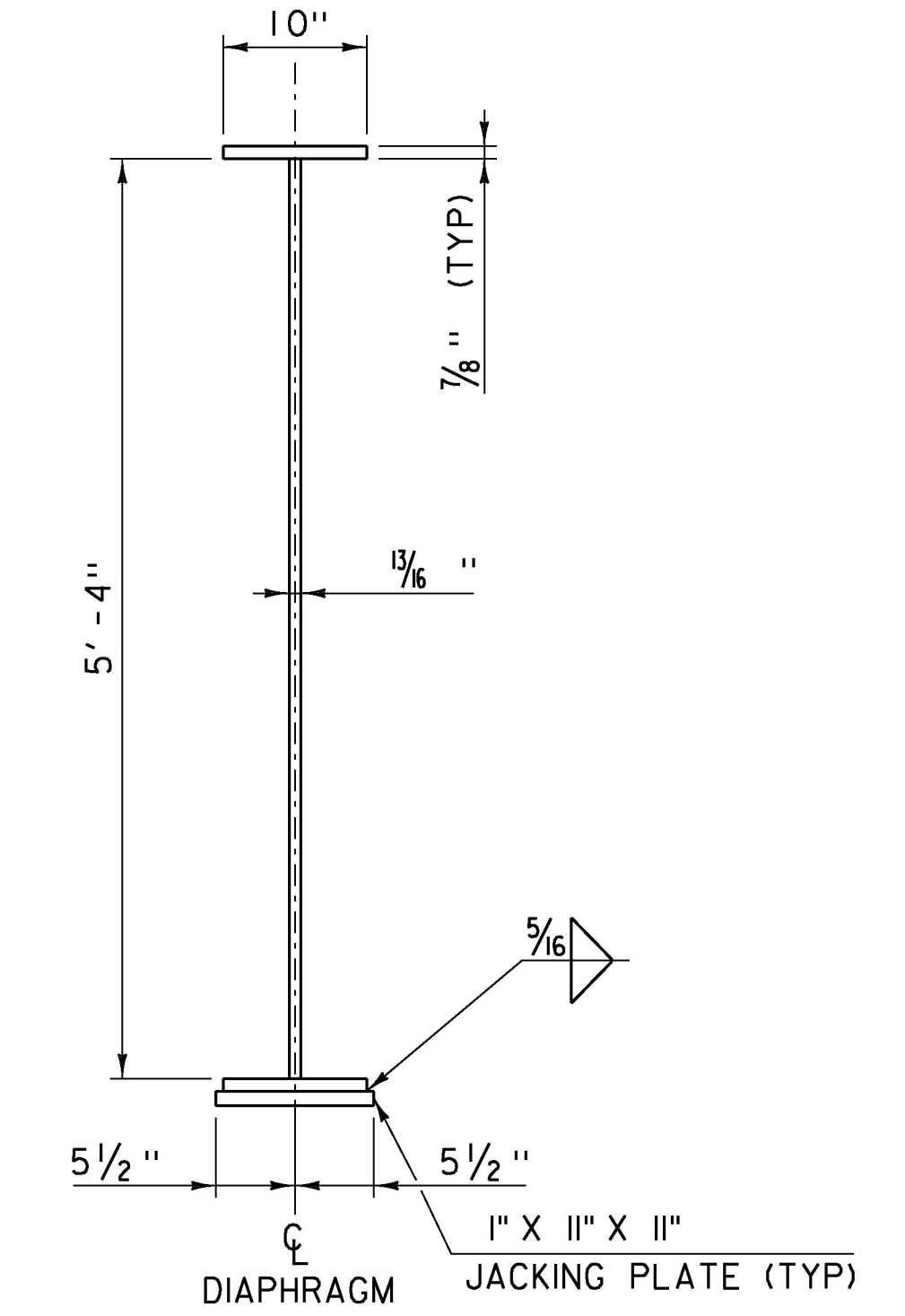
**SPlice ELEVATION**  
(GIRDERS 1,2,3)  
SCALE 1" = 1'-0"



**FILL PLATE**  
**TOP/BOTTOM FLANGE**  
(GIRDERS 1,2,3)  
SCALE 1" = 1'-0"



**PIER DIAPHRAGM TYPICAL**  
SCALE 1" = 1'-0"



**PIER DIAPHRAGM**  
**SECTION**  
SCALE 1" = 1'-0"

**NOTES:**

- PIER DIAPHRAGMS HAVE BEEN DESIGNED AS JACKING DIAPHRAGMS FOR FUTURE BEARING REPLACEMENT. THE MAXIMUM UNFACTORED BEARING REACTIONS, PROVIDED BELOW, ASSUMES THE EASTBOUND TRAVEL LANE ABOVE GIRDERS G3, G4, AND G5 IS CLOSED FOR THE DURATION OF THE JACKING WORK.

**INTERIOR GIRDER**

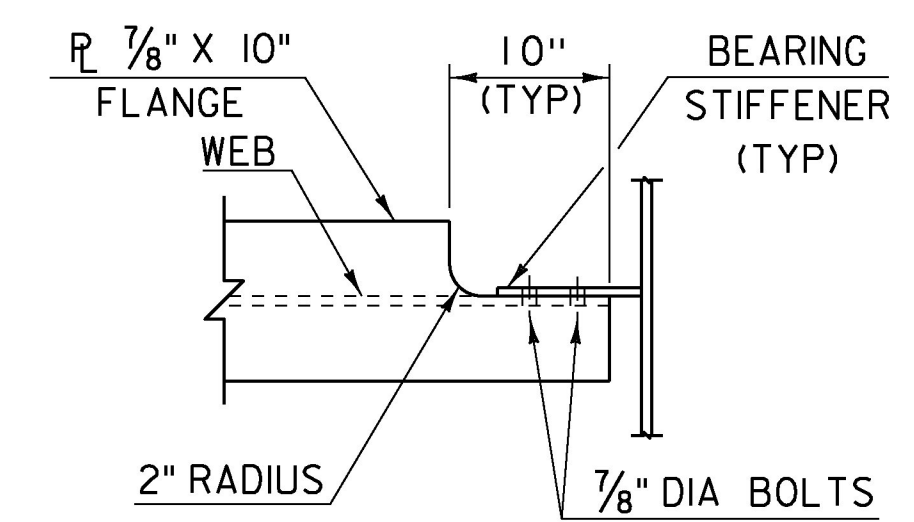
- LL + IM (UNFACTORED) = 135 KIP
- DL (UNFACTORED) = 216 KIP
- RESULTING UNFACTORED JACK FORCES = 196 KIP

**EXTERIOR GIRDER**

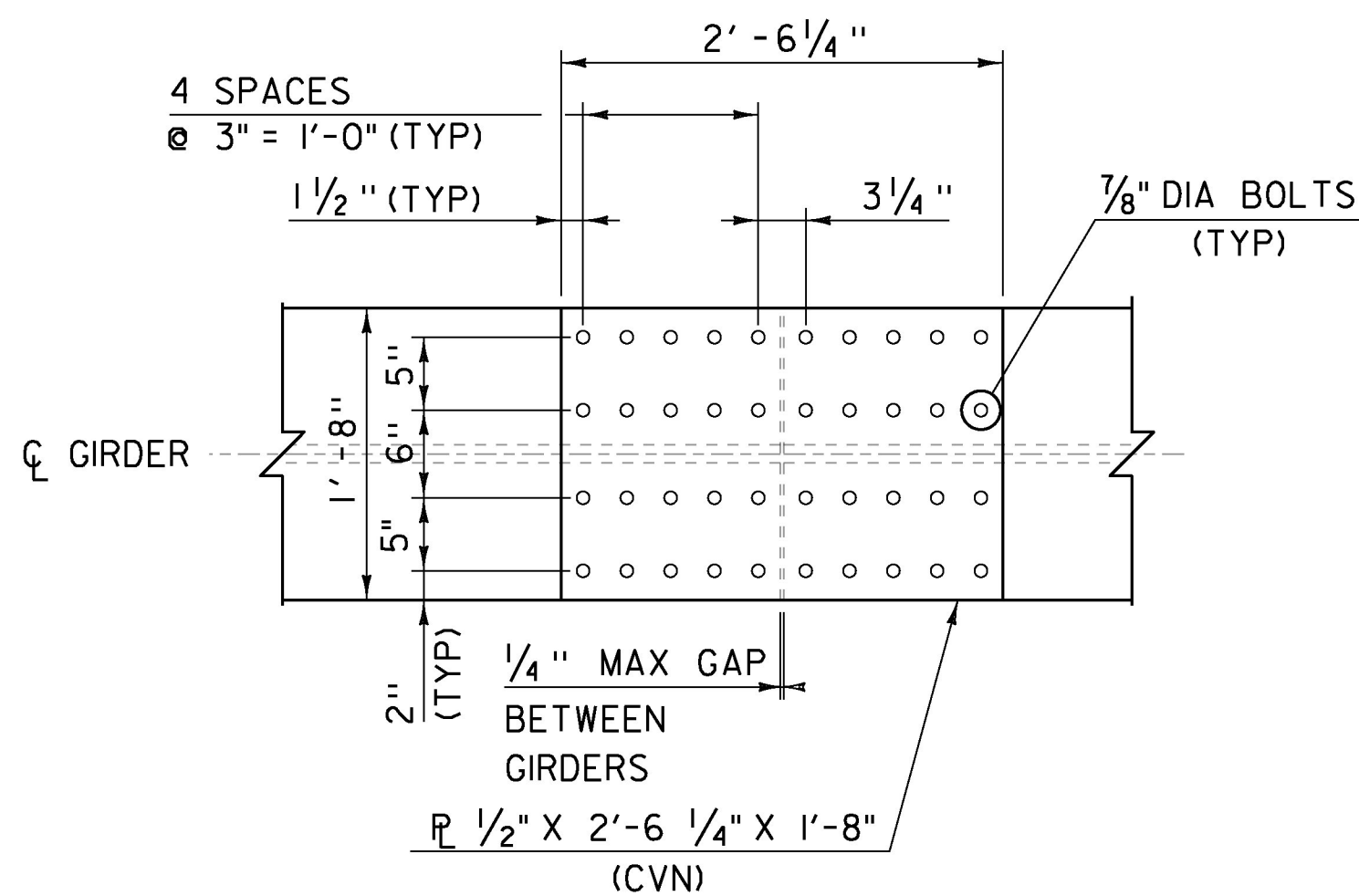
- LL + IM (UNFACTORED) = 119 KIP
- DL (UNFACTORED) = 213 KIP
- RESULTING UNFACTORED JACK FORCES = 429 KIP

- JACKING PLATES SHOWN ARE FOR FUTURE JACKING OPERATION AT THE PIER DIAPHRAGMS. CENTERLINE OF JACK SHOULD ALIGN WITH CENTERLINE OF JACKING PLATE WHEN PERFORMING JACKING OPERATION. ADDITIONAL ECCENTRICITY BETWEEN THE CENTERLINE OF JACKING PLATE HAS NOT BEEN CONSIDERED IN THE DESIGN OF THE BOLT GROUP.

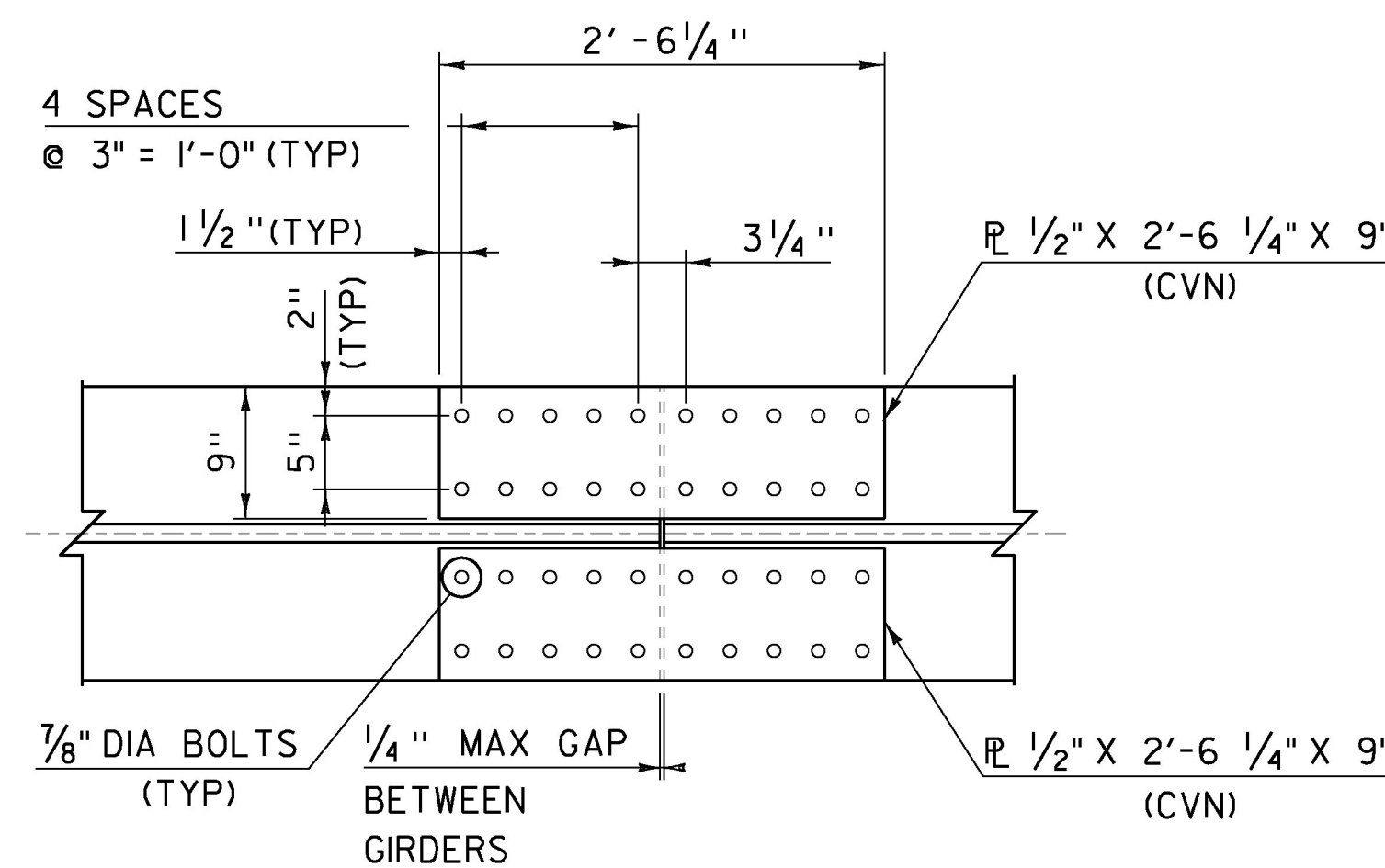
- ALL STRUCTURAL STEEL ON THIS SHEET IS AASHTO M 270M/M 270 GRADE 50W (TYP).



**DIAPHRAGM COPE**  
**DETAIL**  
SCALE 1" = 1'-0"



**TOP/BOTTOM OUTSIDE**  
**FLANGE SPLICE PLATE**  
(GIRDERS 1,2,3)  
SCALE 1" = 1'-0"



**TOP/BOTTOM INSIDE**  
**FLANGE SPLICE PLATE**  
(GIRDERS 1,2,3)  
SCALE 1" = 1'-0"

**TYLIN INTERNATIONAL**

PROJECT NAME: MORRISTOWN	PROJECT NUMBER: BRS 0240(3)S/STP HES 030-2(28)
FILE NAME: s78f329sup.dgn	PLOT DATE: 12-APR-2017
PROJECT LEADER: C. CARLSON	DRAWN BY: G. ROKES
DESIGNED BY: K. ROZANSKY	CHECKED BY: J. OLUND
GIRDER SPLICE PLATE DETAIL SHEET 1	SHEET 84 OF 175

