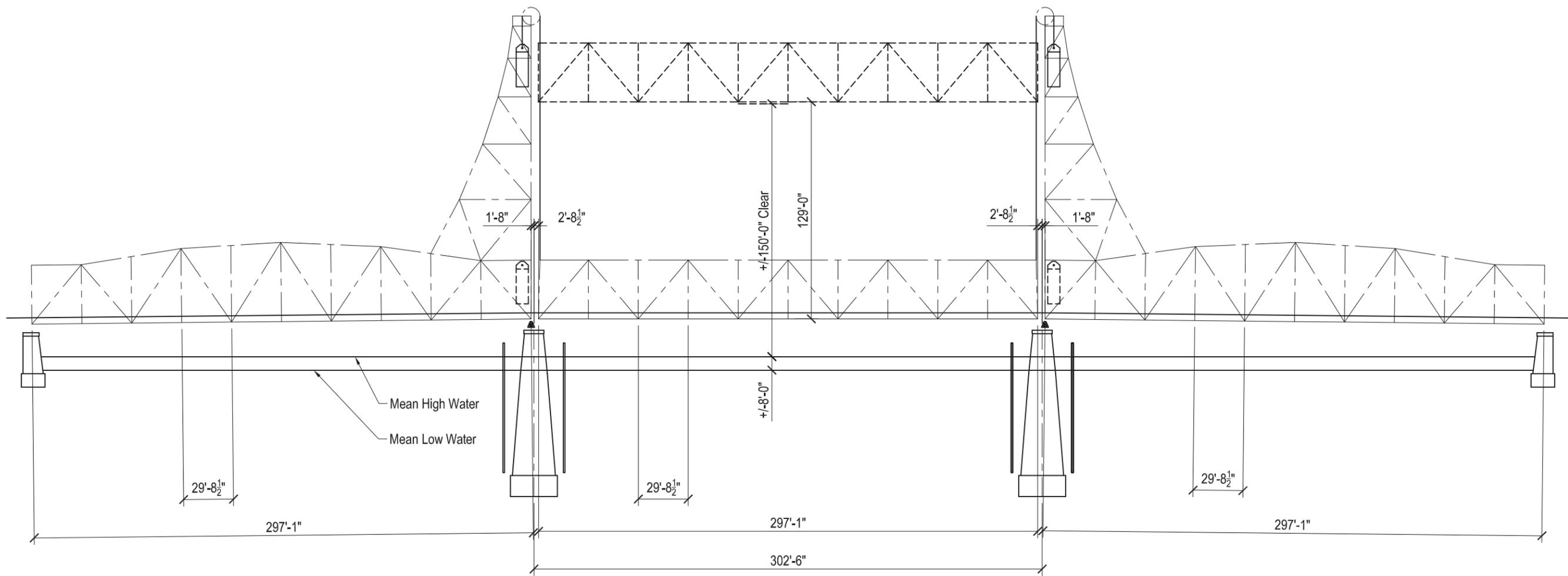


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	1921 Plans	Current Datum
Mean High Water Elevation:	100.33	4.59
Mean Low Water Elevation:	92.32	-3.54
Elevation Top of Pier Caps:	116.11	20.37
Elevation Top of Abutment Caps:	114.58	18.84
Elevation Roadway Crown @ Piers:	126.50	30.76
Elevation Roadway Crown @ Abutments:	123.51	27.77
Elevation Centerline of Sheave Bearing:	302.77	207.03

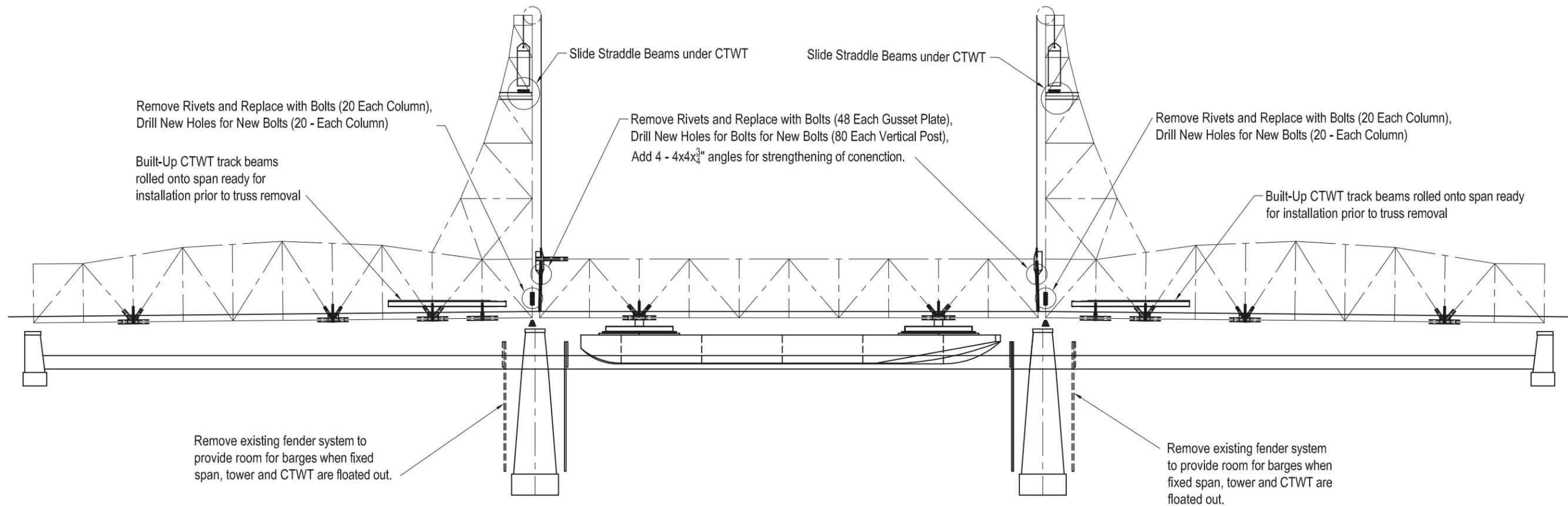
PRELIMINARY  
NOT FOR CONSTRUCTION

SHEET NO.  
**BR-1**

DRAWN BY: DMR  
DATE: 09/12/11  
CHECKED:  
DATE:

**Existing Bridge Layout**  
Memorial Bridge Replacement



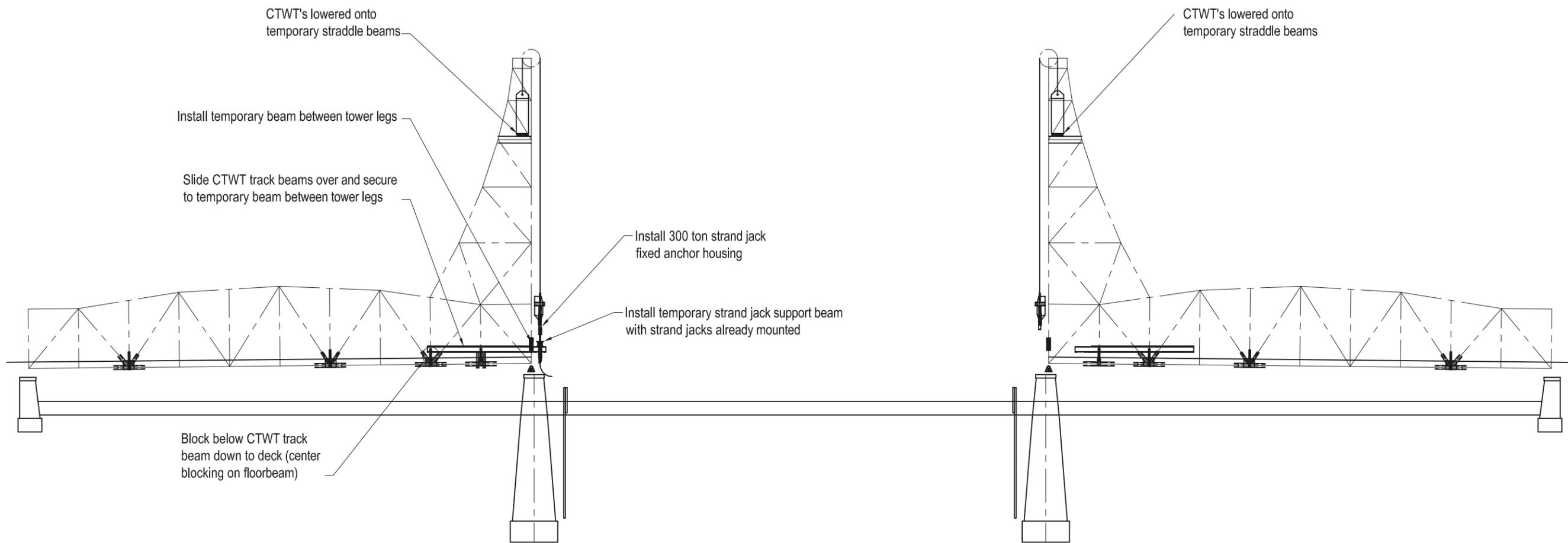


## Sequence:

- 1) Prepare existing structure for float-outs
  - a) Prepare connection of temporary beam to the L0-U0 columns (typ 4 locations)
  - b) Prepare connection of strand jack anchors to the L0-U0 vertical post of the lift spans (typ. 4 locations)
  - c) Roll temporary CTWT track beams out onto the fixed spans (four built-up beams total)
  - d) Remove existing pier protection (fenders) system on fixed span side of piers
- 2) Close bridge to traffic
- 3) Float barge with the first stage of temporary falsework towers into position under the liftspan
  - a) Temporary falsework towers consist of temporary bearing devices under the truss panel points, braced steel towers, steel distribution beams and timber distribution mats.
- 4) Slide temporary straddle beams under CTWT
  - a) Note that the existing straddle beams may need to be replaced or strengthened
  - b) Note that the main tower frame (support girder and connections to the tower legs) may need strengthening

PRELIMINARY  
NOT FOR CONSTRUCTION

**Prepare to Remove Lift Span**  
Memorial Bridge Replacement



Sequence:

- 1) Raise truss to set CTWT's on temporary straddle beams in towers or raise CTWT.
- 2) With main ropes slack, cut the L0-U0 vertical hanger and cut the U0-U1 top chord strut
  - a) Note that steps 1 & 2 are used to unload the lifting girder in a controlled operation
- 3) With the truss free of the lifting girder and end struts/hangers, float liftspan out from bridge site
- 4) Prepare the fixed span for float-out
  - a) Install temporary beam between the L0-U0 columns of the fixed span
  - b) Slide the temporary CTWT track beams into position
    - i) Secure to temporary beam between L0-U0 columns
    - ii) Block under CTWT track beams at Floorbeam L2'
  - c) Install strand jack support beam with strand jacks already mounted
- 5) Prepare the lift span lifting girder for float-out of the fixed span
  - a) Install side hanger plates (if not already previously installed)
  - b) Install 300 ton strand jack fixed anchor housings with pins
  - c) Install strands

PRELIMINARY  
NOT FOR CONSTRUCTION

SHEET NO.  
**BR-3**

DRAWN BY: DMR  
DATE: 09/12/11  
CHECKED:  
DATE:

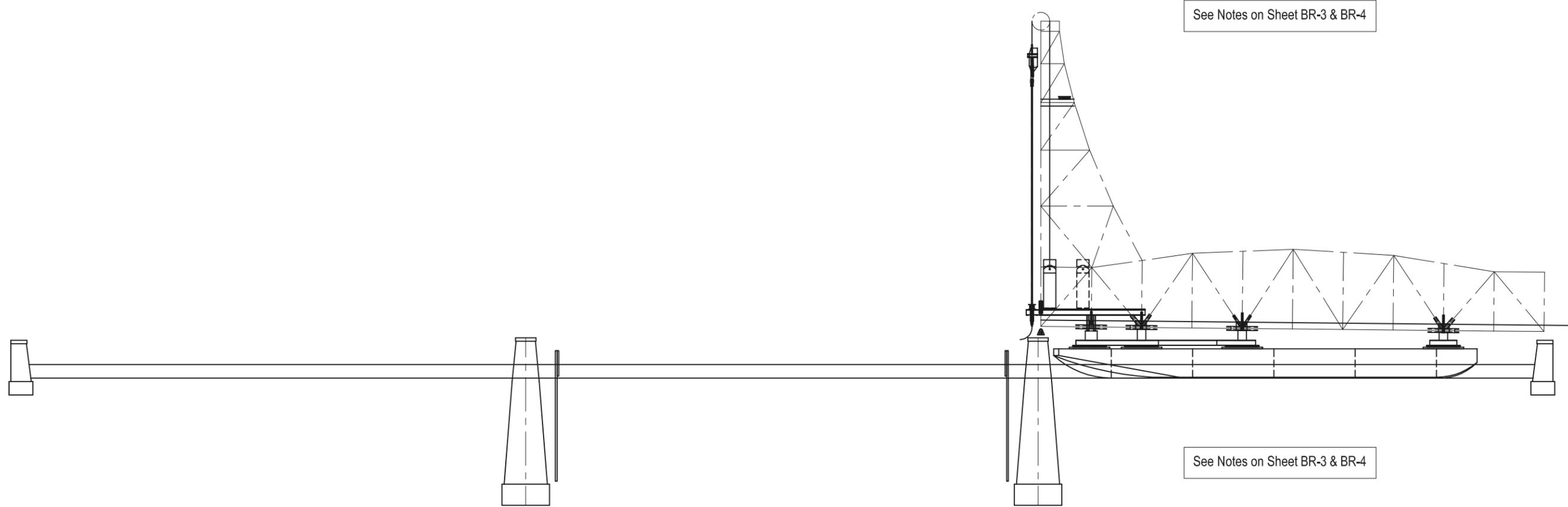
**Lift Span Removal & Prep of Fixed Spans**  
Memorial Bridge Replacement



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- Sequence:
- 1) Float out the first fixed span
  - 2) Repeat the sequences on BR-3 and BR-4
  - 3) Float out the second fixed span

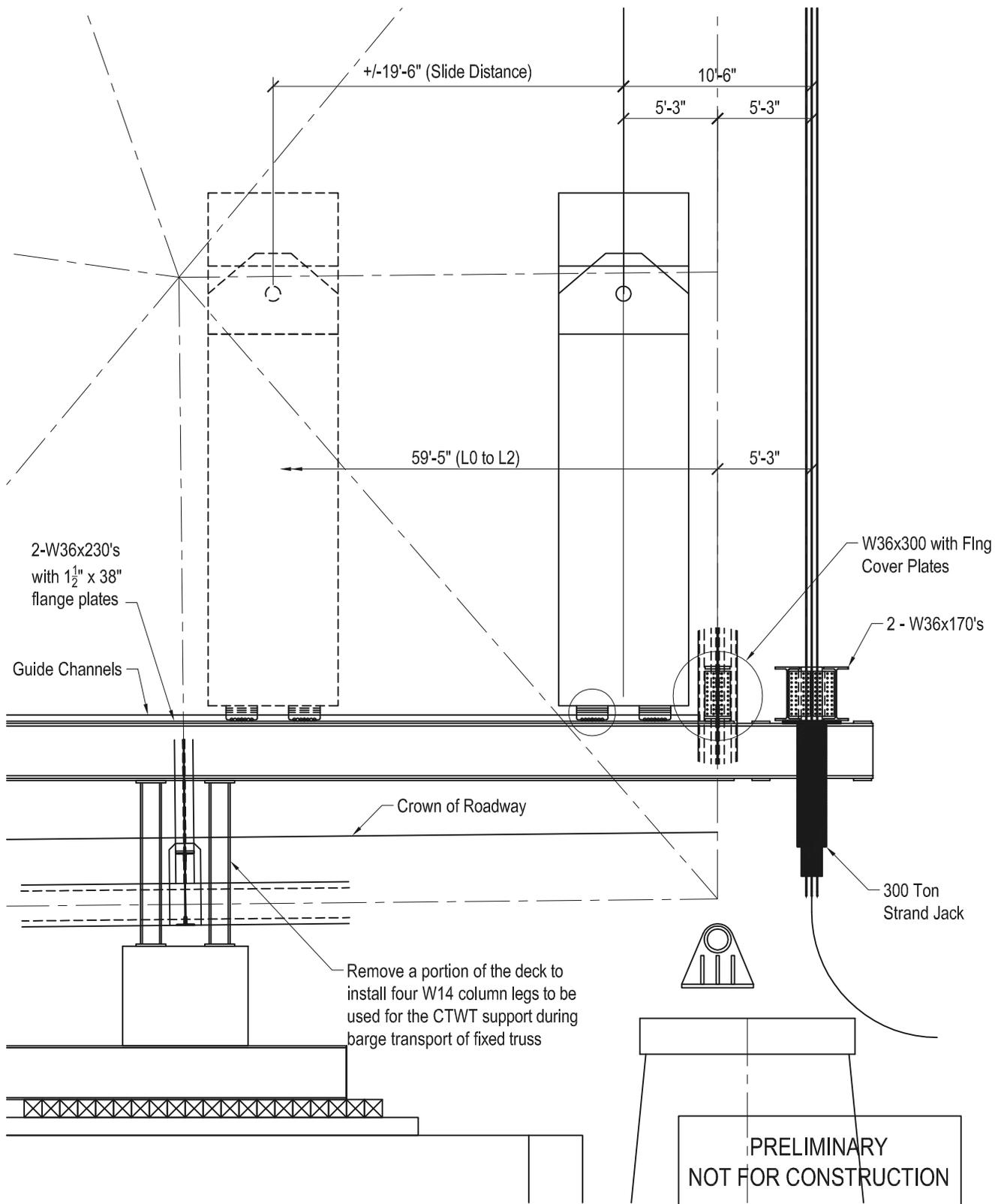
PRELIMINARY  
NOT FOR CONSTRUCTION



# Remove Fixed Span Memorial Bridge Replacement

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DATE:

SHEET NO.  
**BR-5**

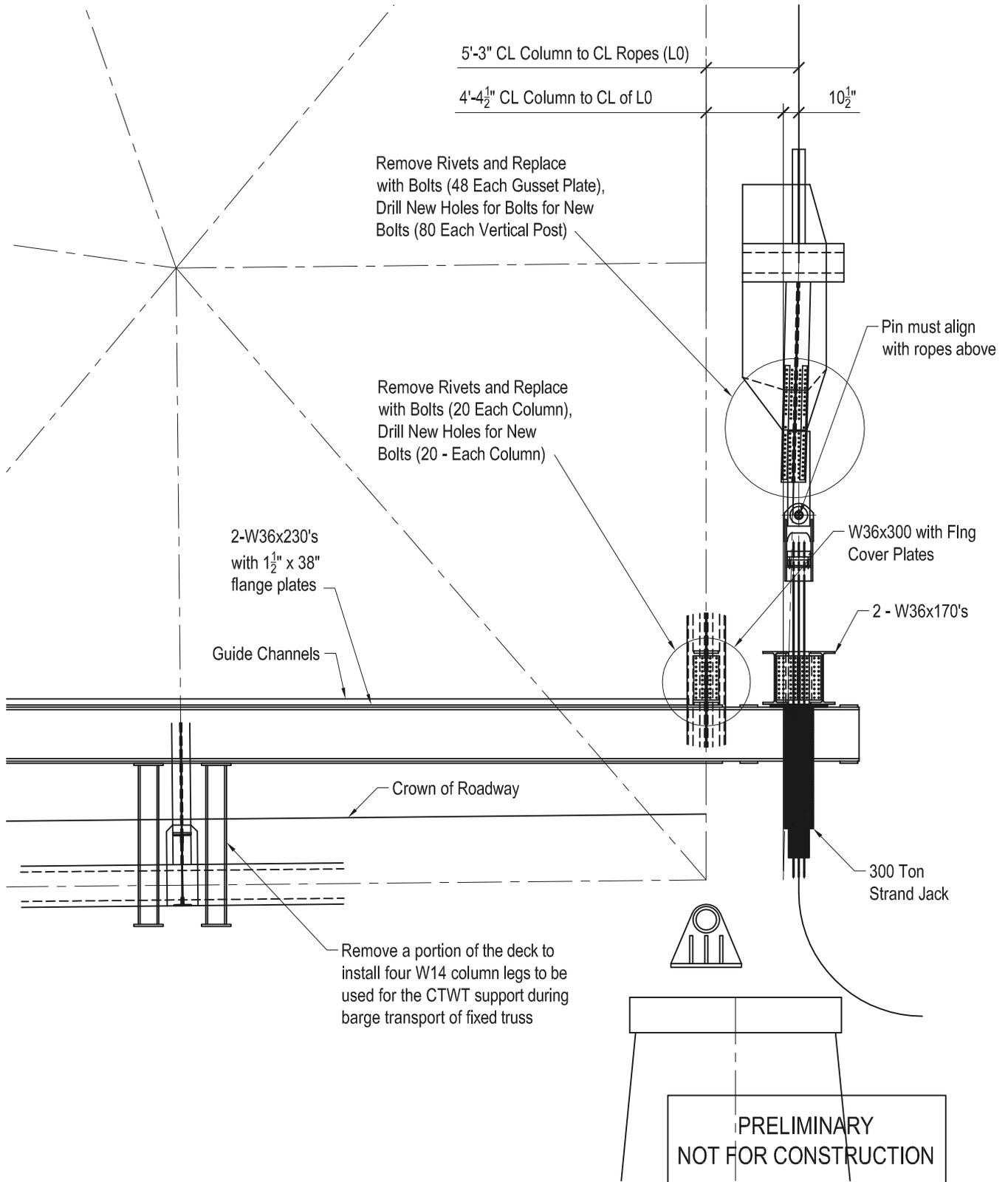


# Elevation of Strand Jacks

## Memorial Bridge Replacement

DRAWN BY: DMR  
 DATE: 09/12/11  
 CHECKED:  
 DATE:

SHEET NO.  
 BR-6a

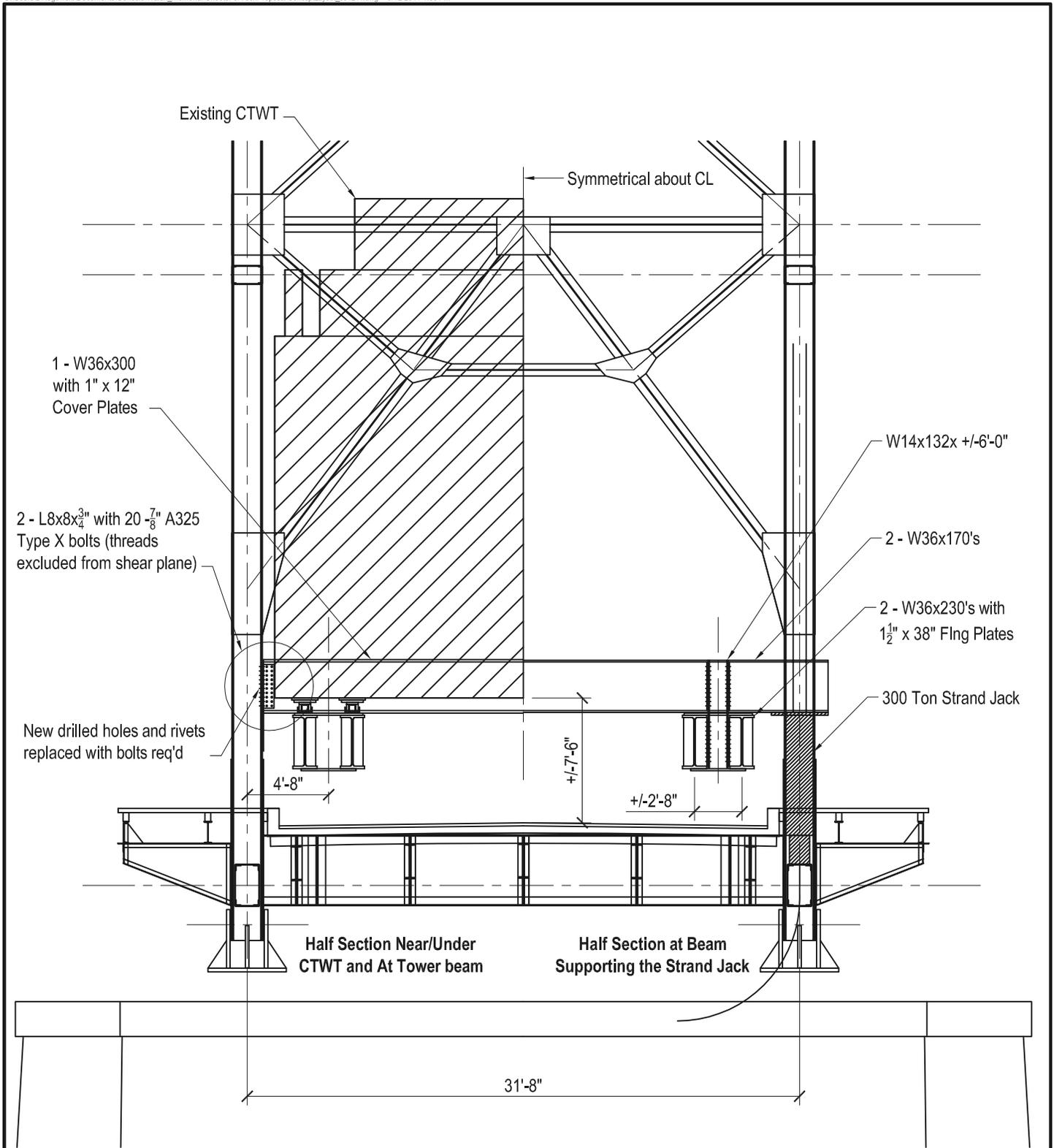


# Elevation of Strand Jacks

## Memorial Bridge Replacement

DRAWN BY: DMR  
 DATE: 09/12/11  
 CHECKED:  
 DATE:

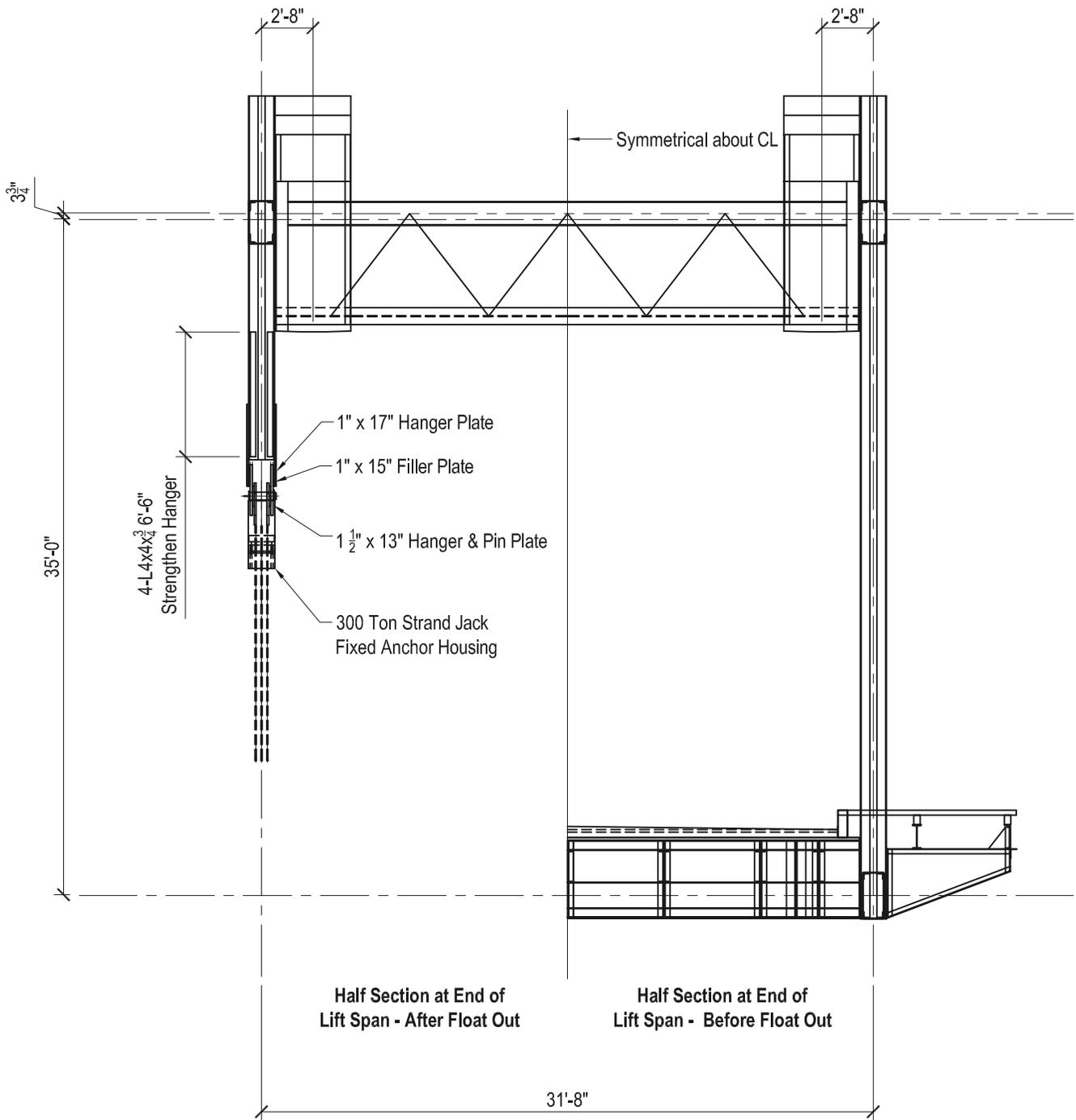
SHEET NO.  
**BR-6b**



Note: All W-shapes and flange plates to be Gr 50

PRELIMINARY  
NOT FOR CONSTRUCTION

	<h1>Half Sections @ Fixed Span</h1> <h2>Memorial Replacement Bridge</h2>	DRAWN BY: DMR DATE: 09/12/11	SHEET NO.  <h1>BR-7</h1>
		CHECKED: DATE:	



PRELIMINARY  
NOT FOR CONSTRUCTION



# Half Sections @ Lift Span

## Memorial Bridge Replacement

DRAWN BY: DMR  
 DATE: 09/12/11  
 CHECKED:  
 DATE:

SHEET NO.  
**BR-8**