

HL-150T
BOOM LENGTH: 150'
(4) 4'x12'x8" CRANE MATS

GIRDER UNLOADING ZONE:
6G1B
7G2B
8G3B
9G4B
10G5B

DEMAG AC 180
BOOM LENGTH: 81.7'
(5) 4'x12'x8" CRANE MATS

GIRDER UNLOADING ZONE:
1G1A
2G2A
3G3A
4G4A
5G5A

STAGE 1- UNLOADING OF GIRDERS AND PREPARATION

1. IT IS IMPERATIVE THAT THE CRANE OPERATORS FAMILIARIZE THEMSELVES WITH THE LOCATION OF OVERHEAD UTILITIES.
2. INSTALL CRANE MATS. USE (5) 4'x12'x8" CRANE MATS UNDER EACH OUTRIGGER OF THE DEMAG AC180 AND (4) 4'x12'x8" CRANE MATS UNDER EACH OUTRIGGER OF THE HL-150T.
3. THE CONTRACTOR SHALL VERIFY THE STABILITY AND LOCATION OF CRANE PRIOR TO ALL PICKS.
4. THE MAXIMUM RADIUS OF THE HL-150T, WHILE MANUEVERING GIRDERS, IS 90 FEET. THE MAXIMUM RADIUS OF THE DEMAG AC180, WHILE MANUEVERING GIRDERS, IS 72 FEET. REMOVE THE GIRDERS FROM THE TRUCK AND PLACE THEM IN THE DESIGNATED UNLOADING ZONES, AS SHOWN TO THE LEFT.

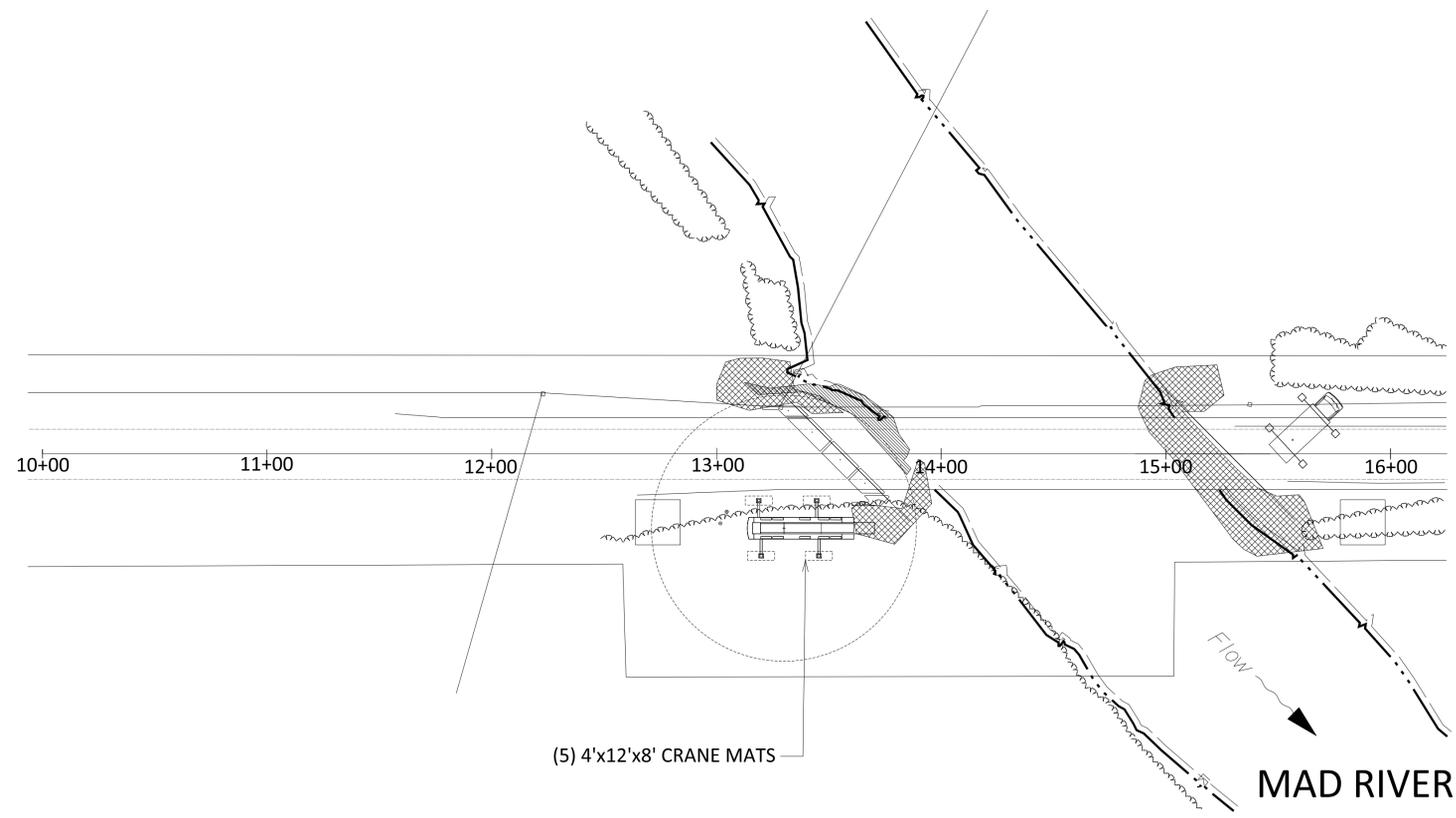
NOTES:

DIFFERENTLY SIZED CRANE MATS ORGANIZED TO ACHIEVE THE SAME BEARING AREA AND DEPTH MAY BE SUBSTITUTED AT THE DISCRETION OF THE CONTRACTOR.

THE GIVEN STATIONING AND ORIENTATION FOR THE CRANE MATS ARE APPROXIMATE. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR

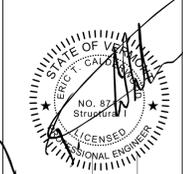
STAGE 2- INSTALLION OF WINGWALLS AND FOOTINGS FOR ABUTMENT 1

1. POSITION THE DEMAG AC 180 ON THE EAST SIDE OF ROUTE 100 JUST PAST STATION 13+00. THE MAXIMUM RADIUS FOR THE DEMAG AC 180, FOR MEMBERS BEING INSTALLED IN THIS STAGE, IS 59 FEET. THE BOOM LENGTH IS 98.1 FEET.
2. INSTALL CRANE MATS. USE (5) 4'x12'x8" CRANE MATS UNDER EACH OUTRIGGER.
3. ENSURE ELEVATION AND POSITION OF CRANE MATS ARE APPROPRIATE FOR THE PLACEMENT OF THE WINGWALLS AND FOOTINGS.
4. IF UNDERSIRABLE SOIL IS PRESENT IN THE LOCATIONS OF THE CRANE MATS, EXCAVATE 5 FEET, FILL AND COMPACT GRANULAR MATERIAL FOR APPLICABLE AREA.
5. THE CONTRACTOR SHALL VERIFY THE STABILITY AND LOCATION OF CRANE MATS.
6. INSTALL ABUTMENT FOOTINGS MD-WW1, MD-WW2, MD-FG1, MD-FG2, AND MD-FG3 IN PLACE PER CONTRACT DOCUMENTS.



(5) 4'x12'x8" CRANE MATS

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STRUCTURAL ENGINEERING • DETAILING SERVICES
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PROJECT NUMBER: 036-16/01-CS-WAITSFIELD
ALStOnge



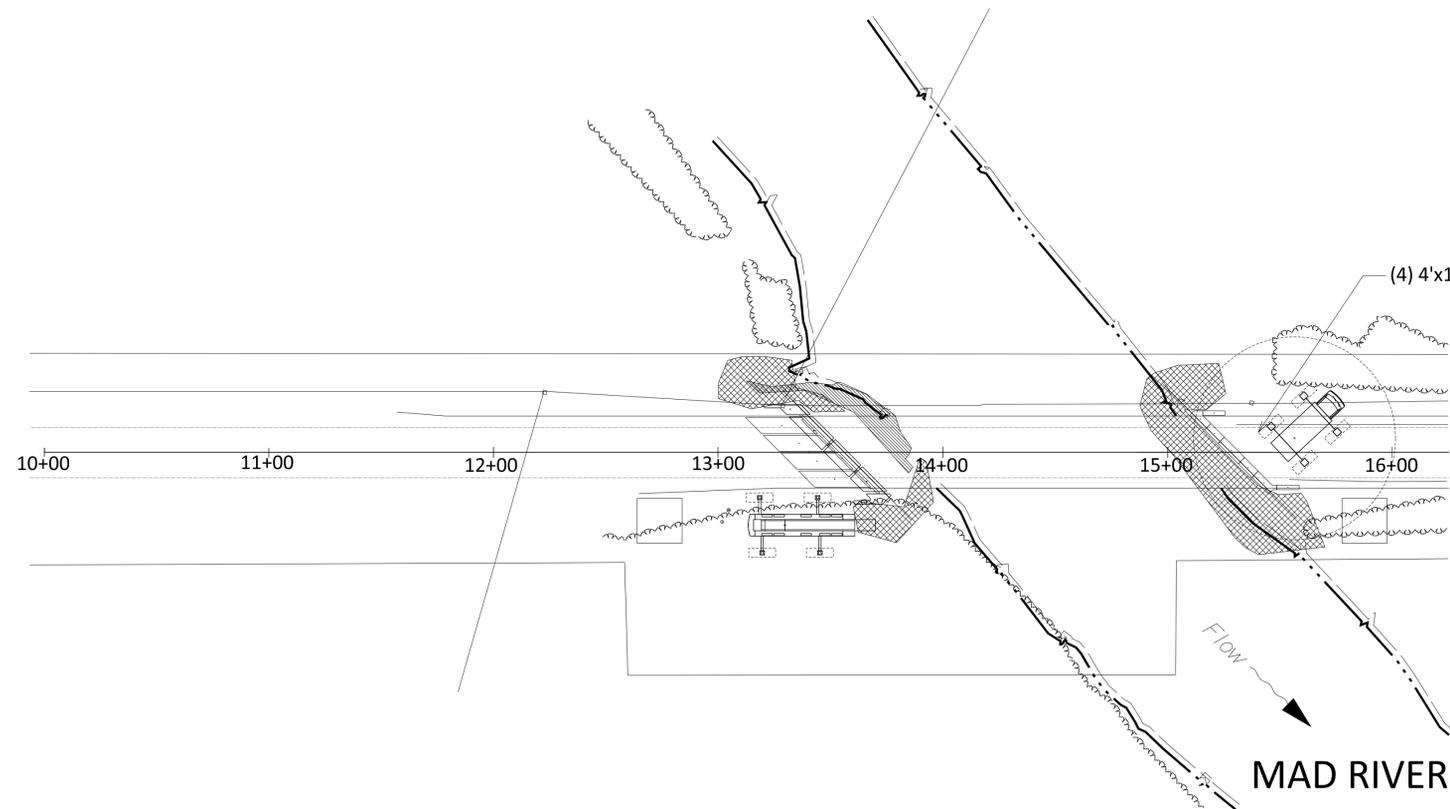
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DATE: _____

DESIGN DETAILED	BY	DATE
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REVISIONS 1		
REVISIONS 2		
REVISIONS 3		

WAITSFIELD, VT- ROUTE 100
OVER MAD RIVER
ERECTION PLAN

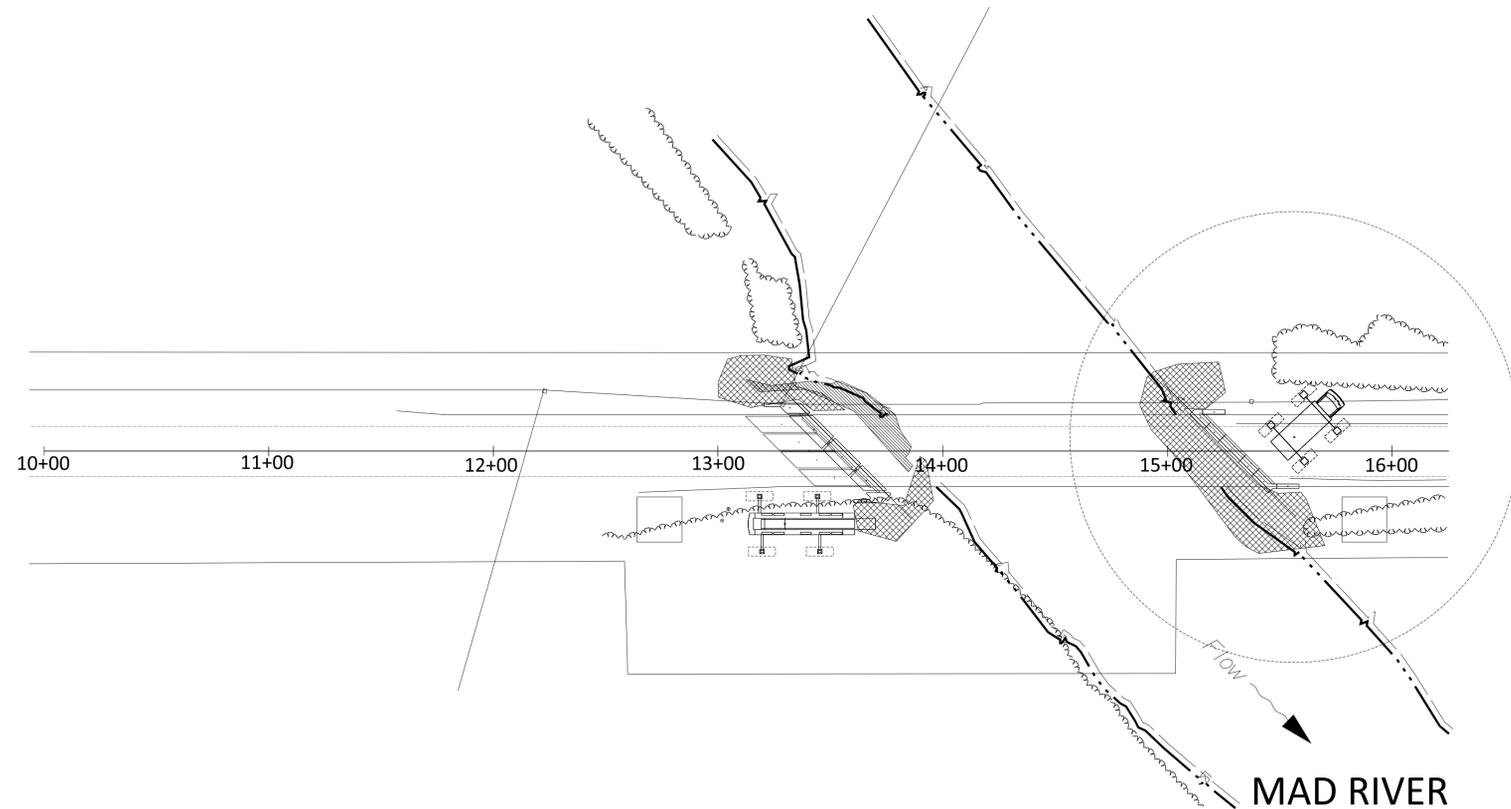
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STAGE 5- INSTALLATION OF WINGWALLS AND PILE CAPS FOR ABUTMENT 2

1. POSITION THE BACK END OF THE HL-150T APPROXIMATELY PARALLEL WITH THE BEARING LINE OF ABUTMENT 2 AND AT STATION 15+50. THE MAXIMUM RADIUS OF THE HL-150T WHILE MANEUVERING MEMBERS IN THIS STAGE IS 45 FEET. THE BOOM LENGTH IS 150 FEET.
2. INSTALL CRANE MATS. USE (4) 4'x12'x8" CRANE MATS UNDER EACH OUTRIGGER.
3. ENSURE ELEVATION AND POSITION OF CRANE MATS ARE APPROPRIATE FOR THE PLACEMENT OF THE WINGWALLS AND PILE CAPS.
4. IF UNDESIRABLE SOIL IS PRESENT IN THE LOCATIONS OF THE CRANE MATS, EXCAVATE 5 FEET, FILL AND COMPACT GRANULAR MATERIAL FOR APPLICABLE AREA.
5. THE CONTRACTOR SHALL VERIFY THE STABILITY AND LOCATION OF CRANE MATS.
6. INSTALL PILE CAPS AND WINGWALL PIECES MD-PC1, MD-PC2, MD-PC3, MD-PC4, MD-PC5, MD-WW3, AND MD-WW4 IN PLACE PER CONTRACT DOCUMENTS.



STAGE 6- INSTALLATION OF THE BACKWALL

1. LEAVE THE HL-150T AND CRANE MATS IN PLACE. THE MAXIMUM RADIUS FOR THE HL-150T, FOR MEMBERS BEING INSTALLED IN THIS STAGE, IS 100 FEET.
2. ENSURE ELEVATION AND POSITION OF CRANE MATS ARE APPROPRIATE FOR THE PLACEMENT OF THE BACKWALL.
3. INSTALL BACKWALL PIECES MD-BW4, MD-BW5, MD-BW6, AND MD-BW7 IN PLACE PER CONTRACT DOCUMENTS.

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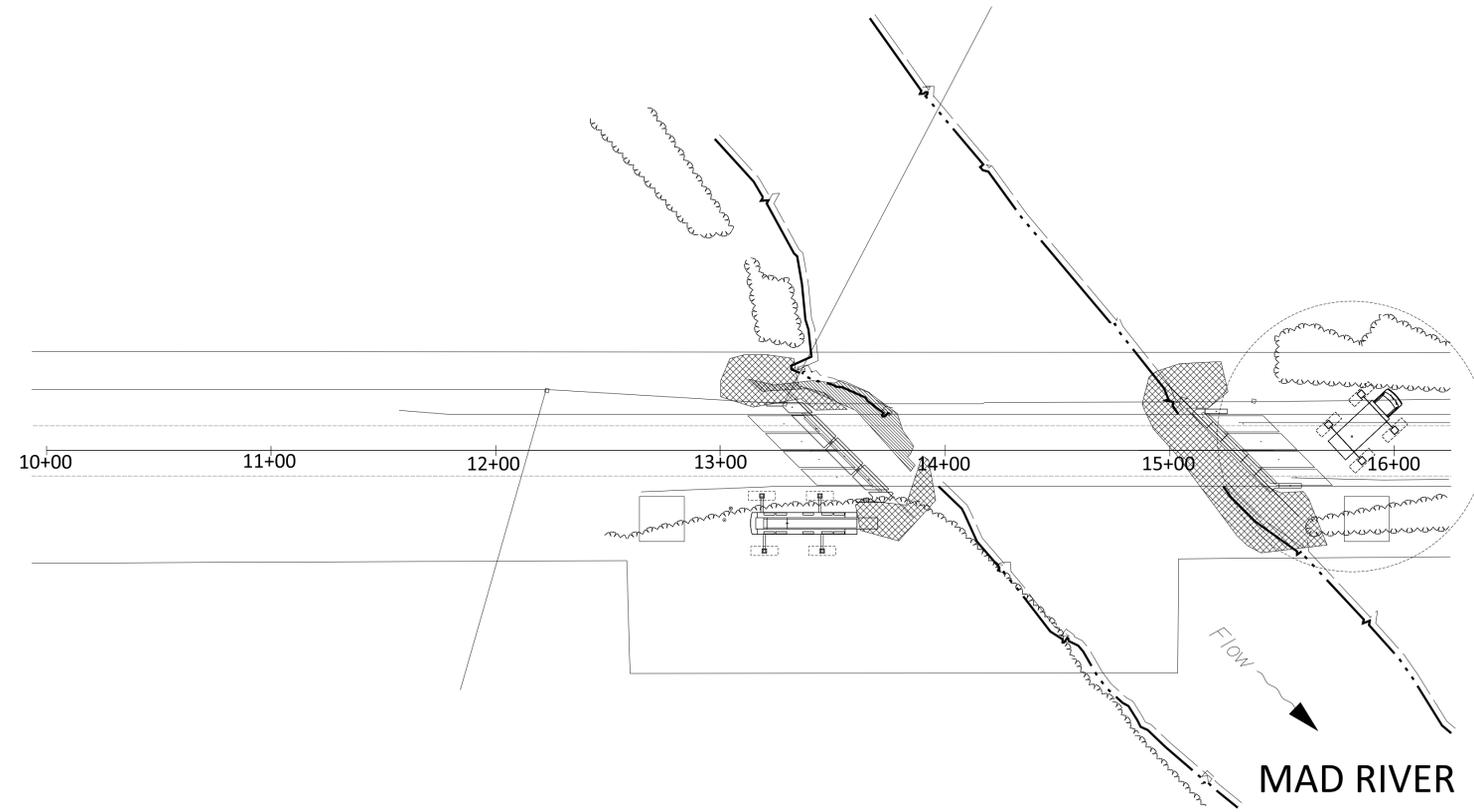
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REVISIONS 3		

**WAITSFIELD, VT- ROUTE 100
 OVER MAD RIVER**
ERECTION PLANS

SHEET NUMBER

03





STAGE 7- INSTALLATION OF APPROACH SLABS FOR ABUTMENT 2

1. POSITION THE BACK END OF THE HL-150T APPROXIMATELY PARALLEL WITH THE BEARING LINE OF ABUTMENT 2 AND AT STATION 15+75. THE MAXIMUM RADIUS OF THE HL-150T WHILE MANEUVERING MEMBERS IN THIS STAGE IS 60 FEET. THE BOOM LENGTH IS 150 FEET.
2. INSTALL CRANE MATS. USE (4) 4'x12'x8" CRANE MATS UNDER EACH OUTRIGGER.
3. ENSURE ELEVATION AND POSITION OF CRANE MATS ARE APPROPRIATE FOR THE PLACEMENT OF THE APPROACH SLABS.
4. IF UNDESIRABLE SOIL IS PRESENT IN THE LOCATIONS OF THE CRANE MATS, EXCAVATE 5 FEET, FILL AND COMPACT GRANULAR MATERIAL FOR APPLICABLE AREA.
5. THE CONTRACTOR SHALL VERIFY THE STABILITY AND LOCATION OF CRANE MATS.
6. INSTALL APPROACH SLABS MD-AS1, MD-AS2, MD-AS3, AND MD-AS5 IN PLACE PER THE CONTRACT DOCUMENTS.

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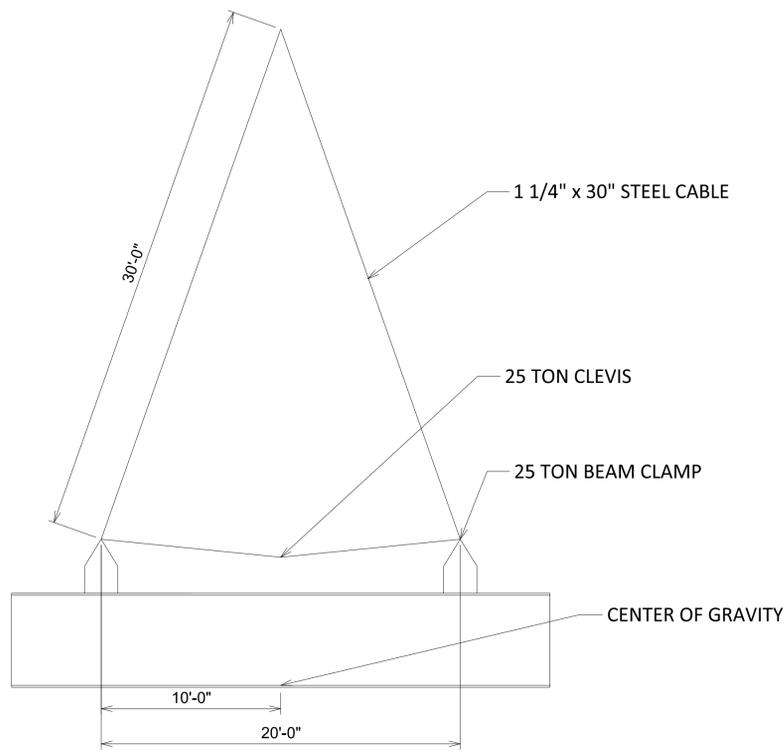
WAITSFIELD, VT- ROUTE 100
 OVER MAD RIVER

ERECTION PLANS

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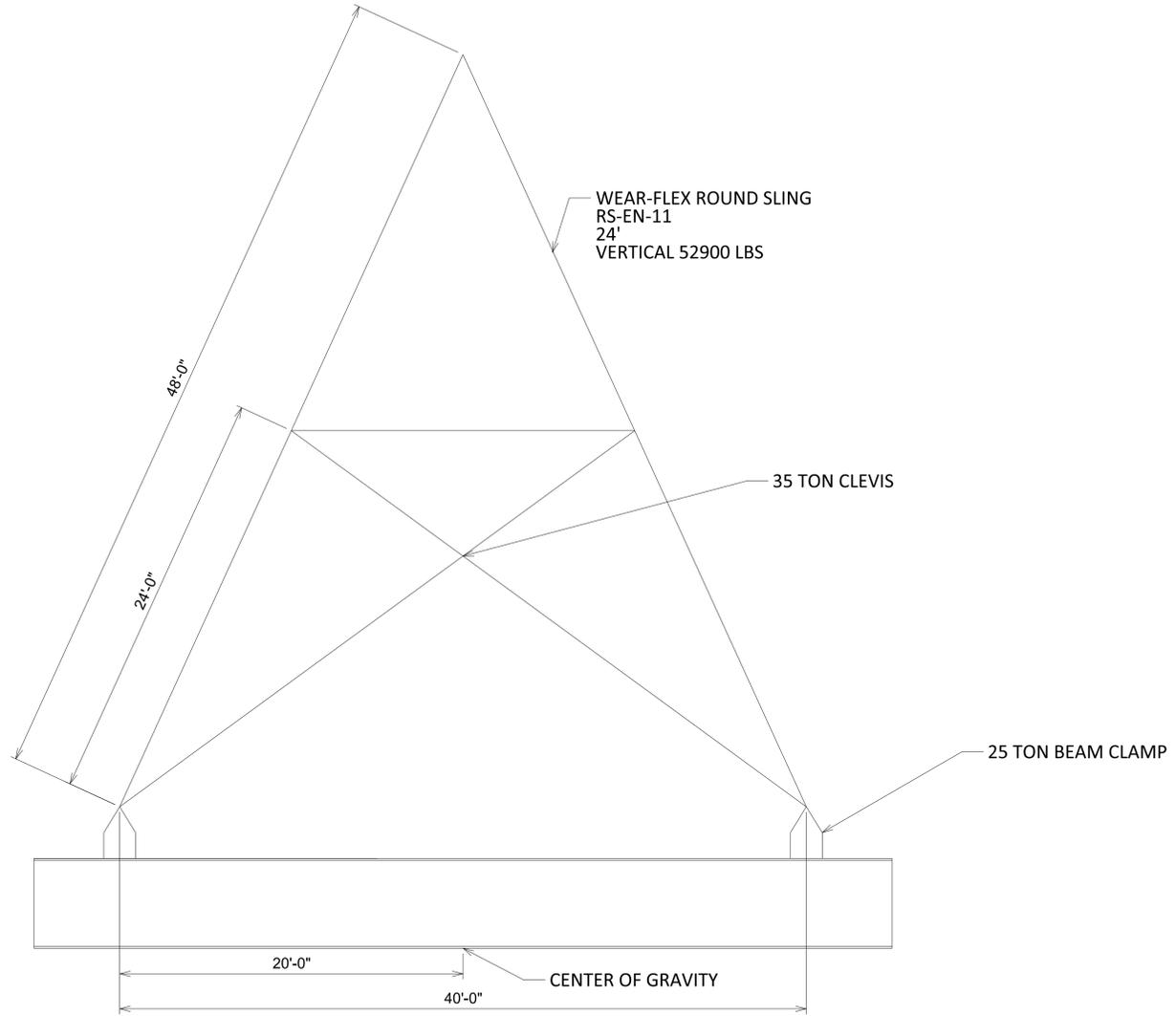
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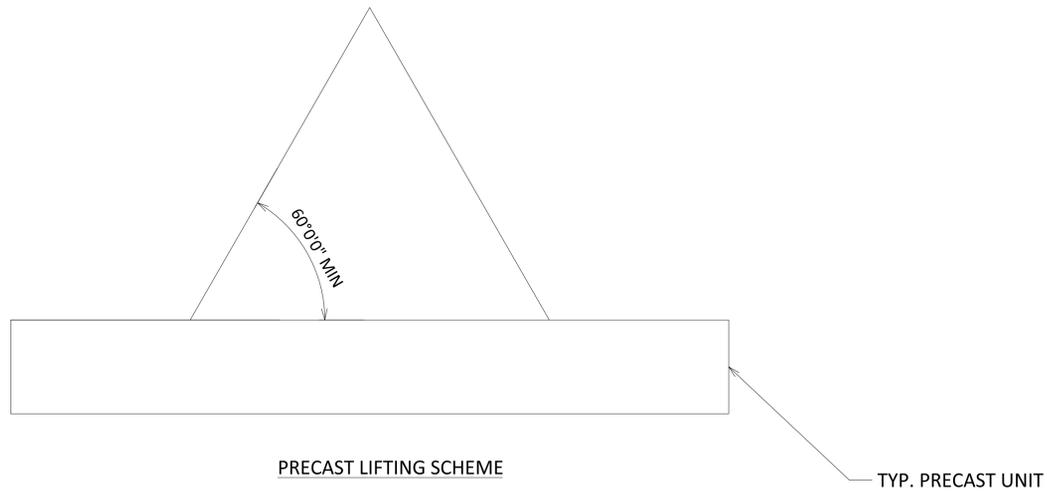
GIRDER LIFTING SCHEME FOR GIRDERS:

- 8G3B
- 7G2B
- 6G1B
- 10G5B
- 9G4B



GIRDER LIFTING SCHEME FOR GIRDERS:

- 5G5A
- 4G4A
- 3G3A
- 2G2A
- 1G1A



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