Notes to Procedure:

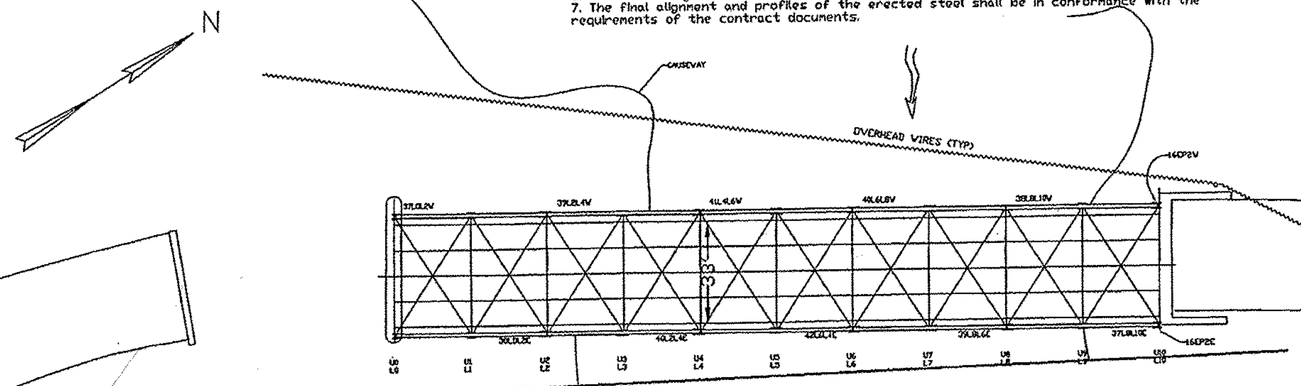
1. Material to be delivered and unloaded and placed on wood blocking on the ground throughout the erection to Delivery Areas [DAx]. The delivery location will be to the location it is lifted from for erecting. Crane connections (rigging) to pieces are as spelled out in chart.
2. Many pieces will be of similar weight and configuration. The weight of the heaviest piece in a group (ie: Floor Beam) will be used. The longest crane radius will be shown. Those radii of lesser dimension with a like piece will be omitted for clarity.
3. When setting pieces using the rigging as shown in SK1D, the worst case of lifting three pieces at once will be shown.
4. Panel Point Locations shown below plan view.
5. Truss members are marked with an E or W as the last letter of the piece mark denoting east or west truss. This letter is omitted in the elevations shown.
6. Sling protectors and softeners to be used as required to protect the rigging.
7. Some piece marks are omitted for clarity. Refer to the fabricator drawings for those numbers.

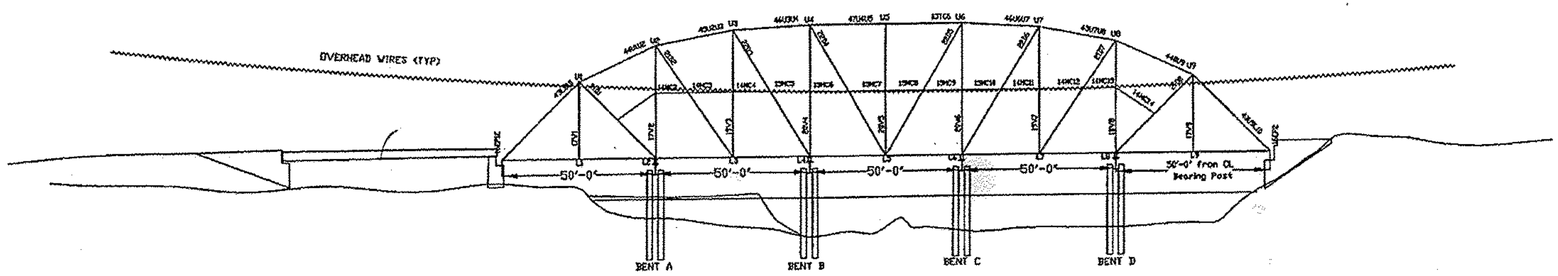
NOTES

1. No crane will be operated in a manner that will exceed its rated capacity at any radius as specified by the crane manufacturer.
2. If any, Unless electrical distribution and transmission lines are de-energized and visibly grounded at the point of work, or unless insulating barriers not a part of or attached to the crane have been erected to prevent physical contact with lines, cranes may be operated near power lines only in accordance with the following:
   A. For lines rated 50 kV or below, minimum clearance between the lines and any part of the crane or load shall be 10 feet (3.05 m).
   B. For lines rated over 50 kV, minimum clearance between the lines and any part of the crane or load shall be either 10 feet (3.05 m) plus 0.4 inch (10.16 mm) for each 1 kV over 50 kV, or twice the length of the line insulator, but never less than 10 feet) and in transit with no load and boom lowered, the clearance shall be a minimum of 4 feet (1.22 m).
   C. Determination of energized lines. Any overhead line shall be presumed to be energized until the owner of the line indicates that it is not energized.
3. The table or chart prepared by the crane manufacturer to describe the maximum lift at all conditions of loading shall be posted in each crane cab in clear view of the operator.
4. The contractor shall be responsible for verifying the weight of each lift and for insuring the stability of each member during all phases of erection.
5. Members shall be subjected to only light drifting of the holes. Any drifting that results in distortion of the member or damage to holes will be cause for rejection of the member.
6. Field reaming of holes shall not be permitted unless approved by the VAOT.
7. The final alignment and profiles of the erected steel shall be in conformance with the requirements of the contract documents.

INFORMATION (Referred to as INF in Procedure)

1. Cranes specified in Erection Procedure.
2. All radii shown are boom point to center of crane rotation
3. Bracing and stringers will be installed as erection progresses. The number and location needed to insure stability are spelled out in the erection procedure on this drawing.
4. Between pieces erected, each connection will be made with a minimum of two approved high strength bolts at each connection unless a greater number is required for alignment and stability. The bolts shall be tightened until there is no gap between the connected parts (snug tight).
5. If surfaces which are to be connected by field bolting or field welding have been painted or become rusted or contaminated with any foreign material that would make these connecting procedures unacceptable, the contractor shall clean the surfaces at no additional cost to the State. A tight coating of light rust will be permitted on faying surfaces of bolted joints. No rust will be permitted at the fusion boundaries of groove welds.
6. Erection bolts shall be the same nominal diameter and shall conform to the same specification as the final bolts. Cylindrical erection pins shall be the same size as the hole. Full size erection pins shall be installed at the extreme corners of the connection.
7. Splices and all field connections of main stress carrying members shall be made with a minimum of 25% of the holes filled with approved high strength bolts and full size erection pins before the external support systems are released. At least one-half of this percentage shall be bolts tightened snug tight to facilitate adding members to the connection. Bolts will be installed uniformly throughout the connection unless they will interfere with connecting future members to that location and except that erection pins shall be used at the extreme corner of all main connections. Before tensioning bolts to specification requirements, all bolts are to be snug tight
8. N/A
9. Maintenance and protection of traffic to be reviewed and approved by the VAOT Personnel.
10. No welding shall be performed until a welding procedure has been submitted by Burt Crane & Rigging and approved by the VAOT.
11. All bolts to be fully tensioned per VAOT Specification 506.19 prior to removing temporary supports..





Bents shown for location only. The design by others may vary

Scale

	Sym.	Date	Drawn	Checked
X	2	X	X	X
X	1	X	X	X
As noted	2	6/1/2012	WCS	TS
As Noted	1	6/1/2012	WCS	X

DIRECTOR:
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Engineering in NEW

CONTRACTOR: BECK & BELLUCCI, INCORPORATED

CONTRACT #/LOCATION:
BRF 022-1 (14); WINDSOR COUNTY
VT ROUTE 107 OVER WHITE RIVER

SCALE: Per Scale Bar | BOR #: B108526
DATE: 3/02/2012 | FABRICATORS #: 498

TITLE OF DRAWING:
STRUCTURAL STEEL ERECTION PLAN
Bridge 15

DRAWN BY: WCS
CHECKED BY: TS
DRAWING NO. E1

JOB PHONE: X
JOB FAX: X
EIC PHONE: X
FAB PHONE: X

STATE OF VERMONT
BRIGIT CALDERWOOD
No. 8711
Structural
LICENSED
PROFESSIONAL ENGINEER