

GENERAL NOTES

1. CONSTRUCTION SPECIFICATIONS:

ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VERMONT, AGENCY OF TRANSPORTATION 2011 STANDARD SPECIFICATIONS FOR CONSTRUCTION, AND THE 2012 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, AND THEIR LATEST REVISION.

2. MATERIAL SPECIFICATIONS:

UNLESS NOTED, ALL NEW STRUCTURAL STEEL CONFORM TO AASHTO M270 GRADE 50W (ASTM A709-50W).

MATERIAL NOTED "CVN" ON "SHOP" DRAWING IN (REMARK) SHALL BE CHARPY V NOTCH TESTED IN ACCORDANCE WITH VERMONT STD SPEC'S. AS INDICATED IN SUBSECTION 714.01

HIGHT STRENGTH BOLTS: AASHTO M164 (ASTM A325) 7/8" DIA. IN 1 5/16" DIAMETER HOLES (U/N).

TYPE 3 SHALL BE USED FOR UNPAINTED CONNECTIONS.

3. FABRICATION:

BOLT HOLES SHALL BE FABRICATED TO THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS, SECTION 11.4.8, EXCEPT THAT HOLES SHALL NOT BE PUNCHED FULL SIZE.

STUDS ARE SUPPLIED AND INSTALLED BY OTHERS.

TIGHT FIT (WELDED ENDS ONLY). 50% OF THE PROJECTED AREA SHALL BE IN CONTACT WITHIN (0.02") WITH A PERMISSIBLE VARIATION OF (1/16") FOR THE REMAINING 50% OF THE PROJECTION AREA.

GRIND TO BEAR. 75% OF THE PROJECTED AREA SHALL BE IN CONTACT WITHIN (0.01") WITH A PERMISSIBLE VARIATION OF (1/32") FOR THE PROJECTED AREA.

4. WELDING:

THE CONFIGURATION OF THE WELD JOINTS AND ALL WELDING PROCEDURES SHALL BE IN ACCORDANCE WITH AASHTO/AWS D.1.5 BRIDGE WELDING CODE AND WITH THE SPECIFICATIONS SHOWN BESIDE. ALL WELDING WILL BE DETAILED TO PRE-QUALIFIED JOINTS, UNLESS PROHIBITED BY THE DESIGNER.

WELDING OF MAIN LOAD CARRYING MEMBERS AND ATTACHMENTS SHALL BE PERFORMED USING THE AUTOMATIC SUBMERGED ARC & SHIELDED METAL ARC PROCESS. ALL WELDS ARE CONTINUOUS U.N.

NON DESTRUCTIVE TESTING OF WELDS SHALL BE IN ACCORDANCE WITH THE REFERENCED SPECIFICATION.

5. CLEANING:

ALL STEEL THAT WILL REMAIN UNPAINTED SHALL BE BLAST CLEANED AS PER SSPC SP-10 PER SPEC. 506.14(a).

6. FIELD CONNECTIONS:

ALL FIELD CONNECTIONS SHALL BE MADE WITH 7/8" DIAMETER HIGH STRENGTH BOLTS AASHTO M164 (ASTM A325) TYPE 3. IN 1 5/16" DIAMETER HOLES UNLESS OTHERWISE NOTED. INSTALLED PER 506.19(c) AND SPECIAL PROVISIONS.

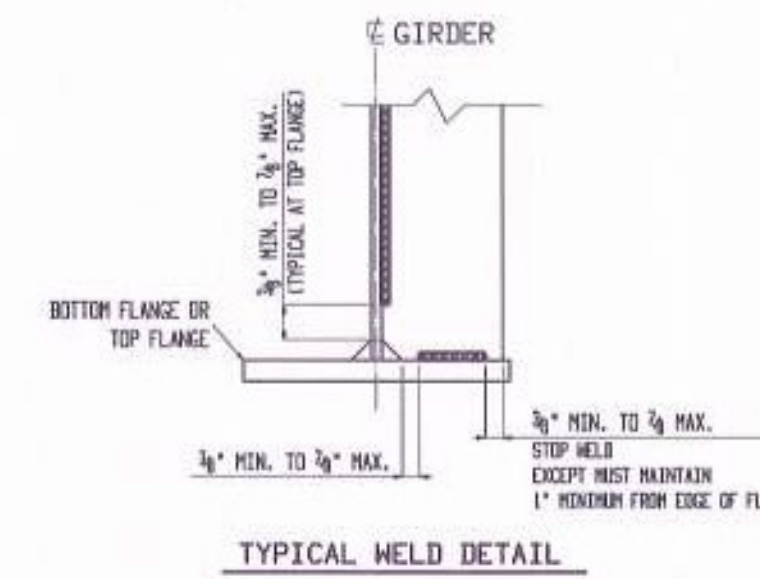
BOLTS SHALL HAVE  
 -HEAVY HEX. NUT, AASHTO M291 (ASTM A563) DH3 HEAVY HEX NUT  
 -HEX. HEAD  
 -ONE FLAT WASHER (U.N.O.), AASHTO M293 (ASTM F436)  
 EASCH (WASHER TO BE PLACED UNDER TURNED ELEMENT).

PIECE MARKS WILL BE LOCATED AS SHOWN ON ERECTION DRAWING.

BOLTS INSTALLED WITH THE STEM VERTICAL SHALL HAVE THE HEADS UP.  
 BOLTS INSTALLED WITH THE STEM HORIZONTAL SHALL HAVE THE HEADS TOWARDS THE WEATHER UNLESS CLEARANCE RESTRICTIONS DICTATE OTHERWISE.

7. EASE EDGE:

ALL SHARP CORNERS AND EDGES THAT ARE MARRED, CUT, OR ROUGHENED IN HANDLING SHALL BE ROUNDED TO A 1/16" RADIUS BY GRINDING. 506.12(d)



SHOP DRAWING REVIEW			
<input checked="" type="checkbox"/> REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND APPROVED, BUT ONLY FOR CONFORMANCE TO THE DESIGN CONCEPT OF THE WORK, AND SUBJECT TO FURTHER LIMITATIONS AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS.			
<input type="checkbox"/> REJECTED <input type="checkbox"/> REVISE AND RESUBMIT <input type="checkbox"/> FINISH AS CORRECTED			
CORRECTIONS OR COMMENTS MADE ON THE SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR REVIEW OF GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES, AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.			
<b>VHB</b> Vancouver Hongwan Brothers, Inc.		Job Number: <u>52517200</u> Reviewed By: <u>R. Moore</u> Date: <u>2-28-14</u>	

No.	DESCRIPTION	DATE	BY	CHK
B	FDR 2nd APPROVAL	Feb 25 2014	LN	CG
A	FDR APPROVAL	Feb 5 2014	LN	CG

NOTE: BOLT 1 WASHER: 1 WASHER UNDER NUT U.N.  
 BOLT 2 WASHERS: 1 WASHER UNDER HEAD U.N.  
 1 WASHER UNDER NUT U.N.



PROJECT: VERMONT RTE 73  
 BRIDGE NO 19  
 TOWN OF ROCHESTER

TITLE: GENERAL NOTES

REFERENCE: PROJECT NUMBER: ER-BRF-0162 (1B)

DATE	BY	REVISION
LN	JANUARY 2014	000540
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