

KUBRICKY CONSTRUCTION CORP.  
269 BALLARD ROAD

WILTON, NY 12831  
518 792-5864



**KUBRICKY CONSTRUCTION CORP.**  
A PROUD MEMBER OF THE J.A. COLLINS™ COMPANIES  
*An Equal Opportunity Employer*

Rutland City BRF 3000 (2014036)  
SUBMITTAL 15.2

Issued 05/15/15  
Respond by 05/22/15

To

**Timothy Pockette, PE**

Topic 506.55 Structural Plate Girder Revised Dwg GN1  
Status For Approval  
Spec section 506.55  
Responsibility (16) River Street  
Received from submitter 5/13/15  
Sent to approver 5/15/15  
Required from approver 5/22/15

From

**Volker H.D. Burkowski**

Signed by

Date

5/15/15

Proceed as Indicated

Owner Authorized Representative

Date

**GENERAL NOTES**

**CONSTRUCTION SPECIFICATIONS**

- 1) ALL MATERIAL AND WORKMANSHIP TO BE IN ACCORDANCE WITH THE STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2011 WITH LATEST REVISIONS AND THE AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS FOR HIGHWAY BRIDGES DATED 2010, AND ITS LATEST REVISIONS.

**MATERIAL SPECIFICATIONS**

- 1) UNLESS OTHERWISE NOTED, ALL STEEL TO BE UNPAINTED AASHTO M270 (ASTM A709) GRADE 50W.
- 2) MATERIAL NOTED "CVN" OR "T2" ON DETAIL DRAWINGS SHALL BE CHARNY V-NOTCH TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF VERMONT STANDARD SPECIFICATIONS SECTION 714.01.
- 3) HIGH STRENGTH BOLTS:  
-ASTM A325 (AASHTO M164) TYPE 3 W/ A563 GRADE C3 NUTS & F436W WASHERS IN NON-PAINTED AREAS.  
-ASTM A325 (AASHTO M164) TYPE 1 (GALV.) W/ A563 GRADE DH NUTS & F436 WASHERS IN PAINTED AREAS.  
BOLTS & NUTS SHALL BE ROTATIONAL CAPACITY TESTED. DO NOT MIX NUTS & BOLTS FROM DIFFERENT CONTAINERS UNLESS ALL BOLTS & NUTS HAVE THE SAME LOT NUMBER.
- 4) DIRECT TENSION INDICATOR WASHERS CONFORMING TO ASTM F959 SHALL BE INSTALLED WITH ALL HIGH STRENGTH BOLTS.

**FABRICATION**

- 1) ALL HOLES SHALL BE PUNCHED OR DRILLED FULL SIZE (UN).

**WELDING**

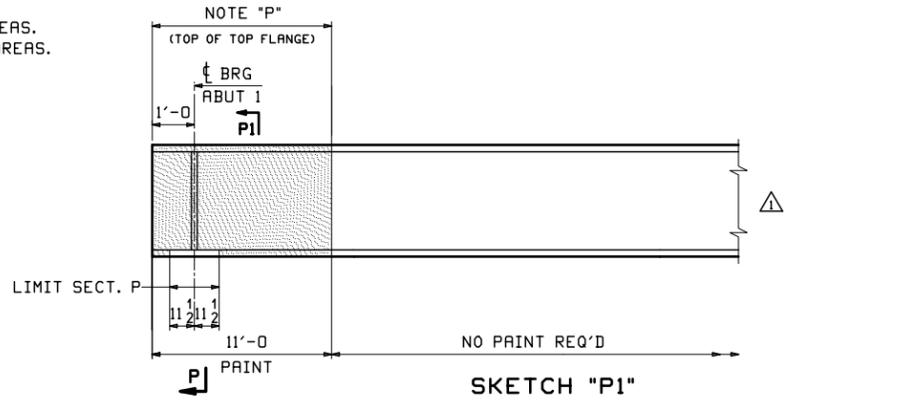
- 1) THE CONFIGURATION OF THE WELD JOINTS AND ALL WELDING PROCEDURES SHALL BE IN ACCORDANCE WITH AASHTO/AWS D1.5-10 BRIDGE WELDING CODE AND IN ADDITION TO SPECIFICATIONS SHOWN ABOVE. ALL WELDING WILL BE DETAILED TO PRE-QUALIFIED JOINTS, UNLESS PROHIBITED BY THE DESIGNER.
- 2) WELDING OF MAIN LOAD CARRYING MEMBERS AND ATTACHMENTS SHALL BE PERFORMED USING THE AUTOMATIC SUBMERGED ARC & SHIELDED METAL ARC PROCESSES. ALL WELDS ARE CONTINUOUS U.N.
- 3) NON DESTRUCTIVE TESTING OF WELDS SHALL BE IN ACCORDANCE WITH THE REFERENCED SPECIFICATION.
- 4) SEE DETAILS "WS1 & WS2" ON THIS DRAWING FOR WELD TERMINATION DETAIL.

**FIELD CONNECTIONS**

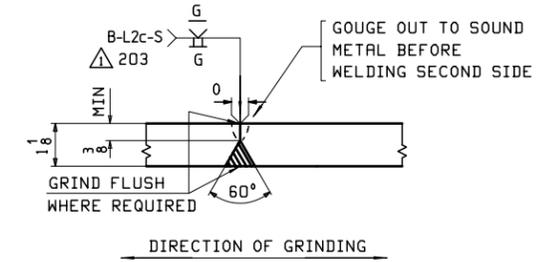
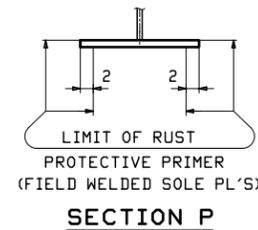
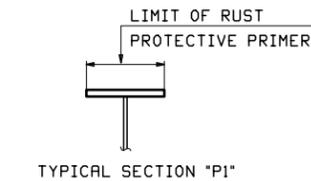
- 1) ALL FIELD CONNECTIONS SHALL BE MADE WITH A-325 HS BOLTS, INSTALLED PER SECTION 506.19(c). BOLTED CONNECTIONS SHALL BE INSTALLED USING DIRECT TENSION INDICATORS. REFER TO SECTION 506.19 OF THE GENERAL SPECIAL PROVISIONS. (SEE TYPICAL BOLT DETAIL").
- 2) BOLTS SHALL HAVE HEAVY HEX NUT, HEAVY HEX HEAD, AND AT LEAST ONE FLAT WASHER EACH. WASHER TO BE PLACED UNDER TURNED ELEMENT.
- 3) PIECE MARKS WILL BE LOCATED AS SHOWN ON ERECTION DRAWINGS.

**CLEANING & PAINTING:**

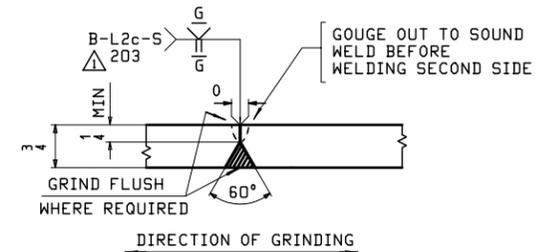
- 1). UNPAINTED STEEL SHALL BE BLAST CLEANED TO SSPC SP-10 TO ACHIEVE A UNIFORM WEATHERED APPEARANCE.
- 2). PAINT ALL STEEL WITHIN 10'-0" OF  $\frac{1}{4}$ " OF BRG AT ABUT 1. PAINT GIRDERS ACCORDING TO SKETCH P1 (BELOW). ALL AREAS NOTED SHALL BE PAINTED WITH THE THREE (3) COAT, ZINC RICH SYSTEM DESCRIBED BELOW. ALL MATERIAL TO RECEIVE PAINT SHALL BE BLAST CLEANED TO SSPC SP-10 IN ACCORDANCE WITH SECTION 506 OF THE SPECIAL PROVISIONS.
- 3.) PAINT SYSTEM SHALL BE AS FOLLOWS:  
PRIMER: CARBOLINE 859 ORGANIC ZINC RICH PRIMER - 3.0 - 5.0 MILS DFT.  
INTERMEDIATE: CARBOLINE 893 EPOXY - 3.0-6.0 MILS DFT.  
TOPCOAT: CARBOLINE 133 VOC ALIPHATIC POLYURETHANE - 3.0-5.0 MILS DFT.  
TOPCOAT COLOR: BROWN, FED. COLOR #20059. - SUBMIT COLOR SAMPLE TO DEPARTMENT.
- 4) PRIME COAT ONLY WITHIN 3" OF OPEN HOLES IN PAINTED AREAS.



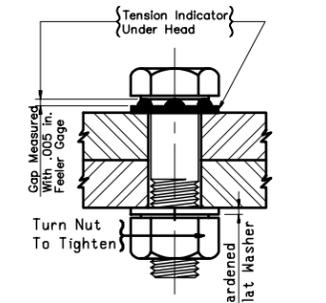
NOTE "P"  
PAINT WITH A LIGHT RUST-PREVENTATIVE COAT OF PRIMER (SEE SECTION "P1")



**FLANGE PLATE SPLICE DETAIL "FA"**

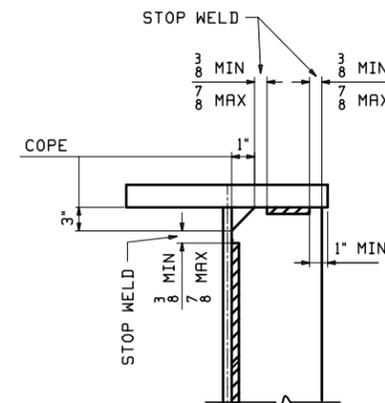


**WEB PLATE SPLICE DETAIL "WB"**



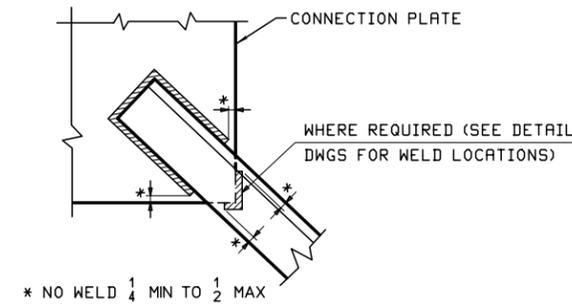
**TYPICAL BOLT DETAIL**

**NOTE TO ENGINEER:**  
THESE NOTES ARE NOT INTENDED TO BE ALL INCLUSIVE AND COMPLIANCE WITH RELEVANT SPECIFICATIONS REMAIN UNCHANGED.



**DETAIL "WS1"**

STIFFENER WELD TERMINATION



**DETAIL "WS2"**

TYP. WELD TERMINATION

5/13/15	PAINT SYSTEM PER CASCO REQUEST	WL	PK		
1/19/15	APPROVAL COMMENTS	JTB	WL		
0					
REV. DATE	REMARKS	DWN	CHK	APVL	SHOP
MATERIAL:		SURFACE PREP. & PAINT:		HOLES:	
				SHOP BOLTS:	
DESCRIPTION: GENERAL NOTES					
		CASCO BAY STEEL STRUCTURES, INC. 1 WALLACE AVE. PHONE (207) 780-6722 SOUTH PORTLAND, ME 04106 FAX. (207) 780-6726			
STRUCTURE: TH-8 (RIVER STREET) OVER OTTER CREEK BRIDGE NO: 2 (TH 8) RUTLAND CITY BRIDGE REPLACEMENT		DRAWN: JTB CHKD: DO	DATE: 10/08 DATE: 10/22		
LOCATION: RUTLAND CITY, VERMONT		JOB NO. 597-1		DWG NO. GN1	
PROJ NO. BRF 3000 (16)				REV. 1	
CUSTOMER: KUBRICKY CONSTRUCTION CORP.					