

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 2006 WITH LATEST REVISIONS AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES DATED 2002 AND ITS LATEST REVISIONS.

MATERIAL SPECIFICATIONS

- 1). UNLESS OTHERWISE NOTED, ALL STEEL TO BE AASHTO M270 (ASTM A709) GRADE 50W.
- 2). MATERIAL NOTED "CVN", "H2-3" OR "H2-4" ON DETAIL DRAWINGS SHALL BE CHARPY V-NOTCH TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF VERMONT STANDARD SPECIFICATIONS SECTION 714.01.
- 3). BOLTS FOR NON-PAINTED AREAS:
HIGH STRENGTH BOLTS: ASTM A325, TYPE 3.
NUTS SHALL BE A563 GRADE C3 OR DH3.
WASHERS SHALL BE ASTM F436 (TYPE 3).

BOLTS FOR PAINTED AREAS:
HIGH STRENGTH BOLTS: ASTM A325, TYPE 1 GALV.
NUTS SHALL BE A563 GRADE DH.
WASHERS SHALL BE ASTM F436 (GALV.)

BOLTS, NUTS AND WASHERS THAT ARE GALVANIZED SHALL BE GALVANIZED BY EITHER HOT-DIP GALVANIZING IN ACCORDANCE WITH ASTM A153 OR MECHANICALLY GALVANIZED IN ACCORDANCE WITH ASTM B695, CLASS 50, TYPE I. GALVANIZED NUTS SHALL BE OVERTAPPED TO THE MINIMUM REQUIRED FOR FASTENER ASSEMBLY AND SHALL MEET THE REQUIREMENTS OF ASTM A153, SUPPLEMENT S1.

BOLTS & NUTS SHALL BE ROTATIONAL CAPACITY TESTED. DO NOT MIX NUTS & BOLTS FROM DIFFERENT CONTAINERS UNLESS ALL BOLTS & NUTS HAVE THE SAME LOT NUMBER.

FABRICATION

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

WELDING

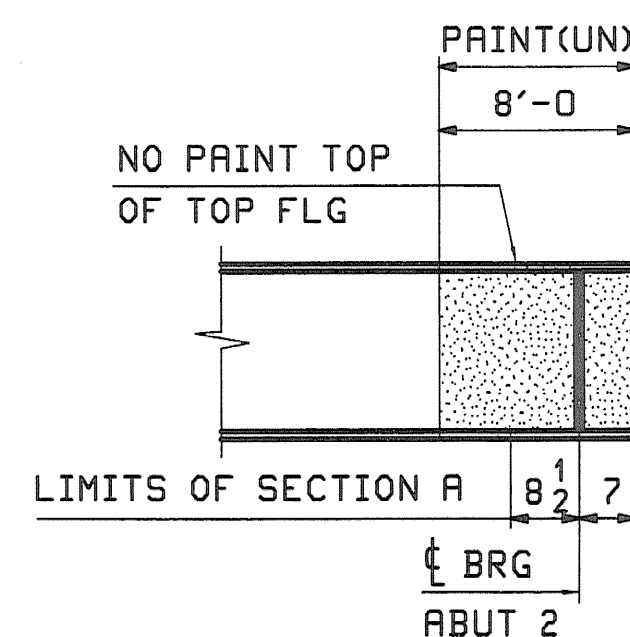
- 1). THE CONFIGURATION OF THE WELD JOINTS AND ALL WELDING PROCEDURES SHALL BE IN ACCORDANCE WITH AASHTO/AWS D1.5-02-08 BRIDGE WELDING CODE AND IN ADDITION TO SPECIFICATIONS SHOWN ABOVE. ALL WELDING WILL BE DETAILED TO PRE-QUALIFIED JOINTS, UNLESS PROHIBITED BY THE DESIGNER.
- 2). WELDING OF MAIN LOAD 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 DETAIL "WS1" ON THIS DRAWING FOR WELD TERMINATION DETAIL.

FIELD CONNECTIONS

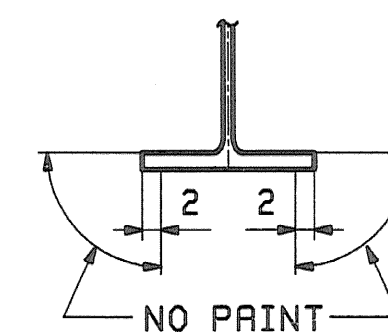
- 1). ALL FIELD CONNECTIONS SHALL BE MADE WITH 7/8" DIAMETER HIGH STRENGTH A-325 BOLTS (UN), INSTALLED PER SECTION 506.19(c). SEE DWG E2 FOR FIELD BOLT SIZES.
- 2). BOLTS SHALL HAVE HEAVY HEX NUT, HEAVY HEX HEAD, AND AT LEAST ONE FLAT WASHER EACH. WASHER TO BE PLACED UNDER TURNED ELEMENT.
- 3). PIECE MARKS WILL BE LOCATED AS SHOWN ON ERECTION DRAWINGS.

CLEANING & PAINTING

1. ALL STRUCTURAL STEEL SHALL BE BLAST CLEANED IN ACCORDANCE WITH SSPC-SP8 PRIOR TO FABRICATION.
2. THE ABUTMENT ENDS OF THE GIRDERS SHALL BE GREASED AS PER SUBSECTION 516.03(d).
2. STEEL SHALL NOT BE PAINTED, EXCEPT AS NOTED IN SKETCH "P".



SKETCH "P"



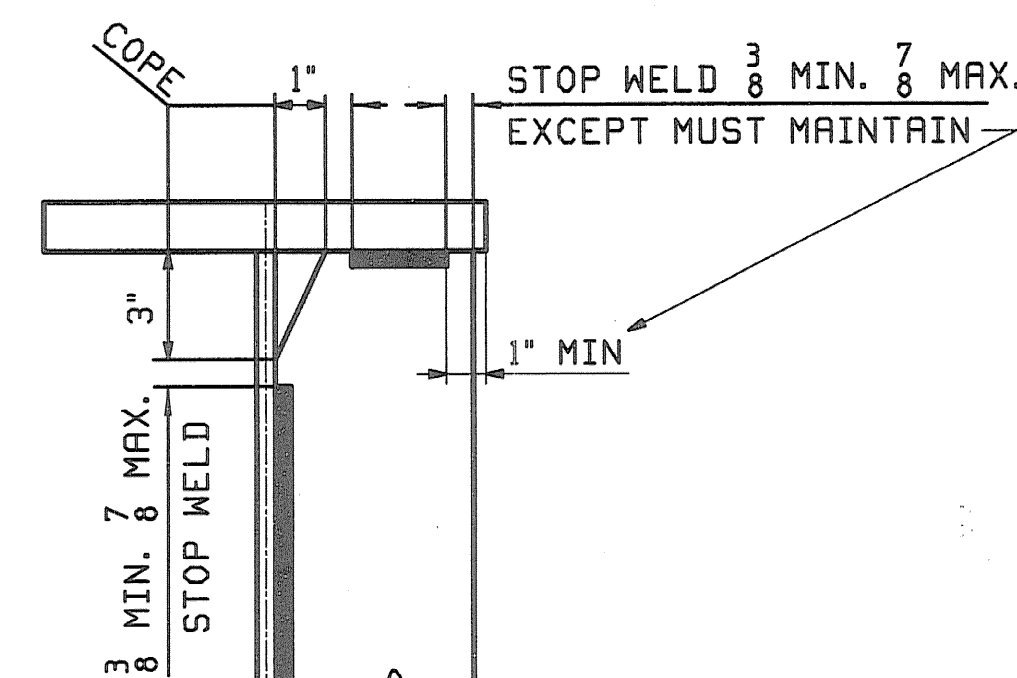
SECTION "A"

GIRDERS AND DIAPHRAGMS SHALL BE PAINTED AS NOTED ABOVE IN ACCORDANCE TO THE PAINT SYSTEM LISTED BELOW. THE FINISH COAT COLOR SHALL MATCH COLOR CHIP NO. 30045 OF FEDERAL STANDARD 595B.

PAINT SYSTEM:

MANUFACTURER: INTERNATIONAL PAINT, INC.	DFT (MILS)	
	MIN.	MAX.
P INTERZINC 22HS INORGANIC ZINC SILICATE PRIMER	2.5	5.0
I INTERGARD 475HS EPOXY	4.0	8.0
T INTERHANE 870 POLYURETHANE	3.0	5.0

ENGINEER PLEASE VERIFY FINISH COAT COLOR



DETAIL "WS1"

Structures

RECEIVED
 CK'D BY WBY
 MAY 15 2008
 RESUBMIT APPROVED AS NOTED
 BY DATE

REV.	DATE	REMARKS	DWN	CHK	APVL	SHOP
MATERIAL:		SURFACE PREP. & PAINT:	HOLES:		SHOP BOLTS:	
			AS NOTED		AS NOTED	
DESCRIPTION: GENERAL NOTES						
CASCO BAY STEEL STRUCTURES, INC. 75 SPRING HILL ROAD SACO, MAINE 04072 PHONE (207) 282-7360 FAX. (207) 282-1179						
STRUCTURE: TH24 over Hoosic River BRIDGE NO. 41 POWNAL, VERMONT COUNTY OF BENNINGTON			DRAWN: JTB	DATE: 04/16		
			CHKD: TM	DATE: 05/05		
LOCATION: TOWN OF POWNAL			JOB NO.	DWG NO.		
PROJ NO. BRZ 1441 (19) C/2			367	GN1		
CUSTOMER: VERMONT AGENCY OF TRANSPORTATION					REV. <input type="checkbox"/>	

JTB Tue May 6 13:20:44 EDT 2008