

**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 SPECIAL PROVISIONS.

MATERIAL SPECIFICATIONS

- 1). UNLESS OTHERWISE NOTED, ALL STEEL TO BE AASHTO M270 (ASTM A709) GRADE 50.
- 2). MATERIAL NOTED "CVN" OR "H2-3" ON DETAIL DRAWINGS SHALL BE CHARPY V-NOTCH TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF VERMONT STANDARD SPECIFICATIONS SECTION 714.01.
- 3). HIGH STRENGTH BOLTS: ASTM A325 TYPE 1 7/8" DIAMETER - GALVANIZED (AND PAINTED AFTER INSTALLATION). IN 15/16" DIAMETER HOLES, UNLESS NOTED OTHERWISE. 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 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.

GALVANIZING AND PRINTING

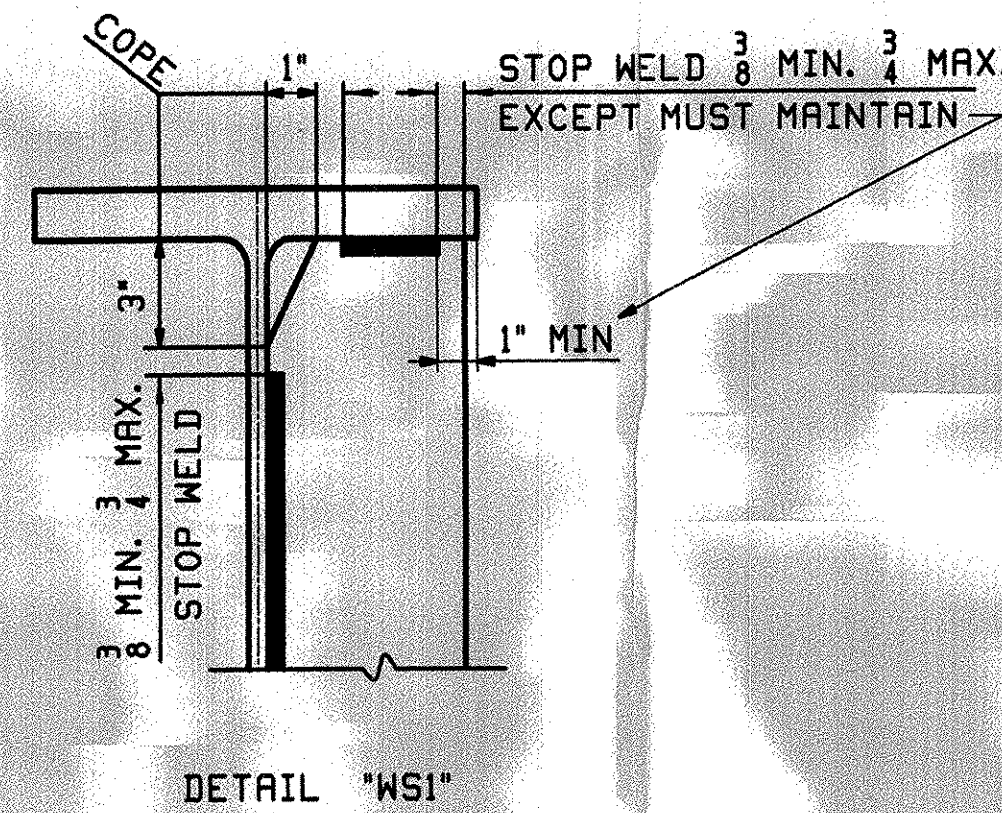
- 1). ALL STEEL SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH AASHTO M111 (FABRICATED MATERIALS) OR AASHTO M232 (FASTENERS).  
 ▲ COLORGALV COATING BY DUNCAN GALVANIZING.
- 2). WHERE NOTED, STEEL SHALL BE PAINTED AFTER GALVANIZING WITH THE PAINT SYSTEM DESCRIBED IN NO. 3). BELOW AND IN ACCORDANCE WITH VERMONT STD. SPECIFICATION 513. THE COLOR OF THE TOP COAT SHALL BE DARK BROWN, CHIP #20059.

	DFT (MILS)	
	MIN.	MAX.
MANUFACTURER: SHERWIN WILLIAMS		
▲ P PRIMER = HOT DIP GALVANIZING		
I INTERMEDIATE = RECOATABLE EPOXY PRIMER (OVER HOT-DIP GALVANIZING)	4.0	8.0
T TOPCOAT = HI-SOLIDS POLYURETHANE	3.0	5.0

- ▲ 4.) INTERMEDIATE AND TOP COATS SHALL BE STAGGERED A MINIMUM OF 12mm (1/2 INCH) FROM THE FAYING SURFACES AND EACH OTHER.

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 E1 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.



DETAIL "WS1"

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

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"/>	FURNISH 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.	
VHB Yanasse Hangen Brustlin, Inc. Engineers, Planners, and Scientists 36 Bedford Farm, Milton MA Bedford, MA 02110 603 644 0868	Job Number: 51752 Reviewed By: S. HUDSPON Date: 12-12-07

REV.	DATE	REMARKS	DWN	CHK	APVL	SHOP
▲	11/06/07	APPROVAL COMMENTS	JTB	DBH		
▲	10/18/07	REVISED PRINT NOTES	JSS	ML	11/8/07	11/9/07
MATERIAL:		SURFACE PREP. & PAINT:		HOLES:		SHOP BOLTS:
DESCRIPTION: GENERAL NOTES						
CASCO BAY STEEL STRUCTURES, INC. 75 SPRING HILL ROAD SACO, MAINE 04072 PHONE (207) 282-7360 FAX. (207) 282-1179						
STRUCTURE: REHAB. OF BRALEY COVERED BRIDGE TH 64 (CLASS III - LOCAL ROAD) BRIDGE NO. 38			DRAWN: JTB	DATE: 09/16		
			CHKD: DBH	DATE: 10/04		
LOCATION: TOWN OF RANDOLPH, VERMONT			JOB NO.	DWG NO.		
PROJ NO. BHO 1444(44)			340	GNI		
CUSTOMER: VERMONT R.O.T.					REV. ▲	