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, 17TH EDITION, DATED 2002, AND ITS LATEST REVISIONS.

MATERIAL SPECIFICATIONS

1) ALL STRUCTURAL STEEL SHALL CONFORM TO AASHTO M270M GRADE 345W WITH THE FOLLOWING EXCEPTIONS:

   A. WEBS, FLANGES AND ALL INTERMEDIATE STIFFENERS OF THE "B" AND "D" GIRDERS WHICH SHALL BE M270M, GRADE HPS 485W.
   B. BEARING ASSEMBLY MATERIAL SHALL BE AASHTO M270M GRADE 345W GALVANIZED AS PER SUBSECTION 531.04(B) AND 506.15(A), EXCEPT AS NOTED ON DETAIL DRAWINGS. AREAS OF DAMAGED GALVANIZING SHOULD BE REPAIRED PER SECTION 513.
   C. ALL PINS SHALL BE ASTM 276 2205 STAINLESS STEEL WITH POLISHED FINISH.

2) MATERIAL NOTED "H2-3", "CVN" OR "T2" 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 (AASHTO M164) TYPE 3 W/ A563 GRADE DH3 NUTS & F436W WASHERS IN NON-PAINTED AREAS.
   -ASTM A325 (AASHTO M164) TYPE 1 (MECH. GALV.) W/ MECH. GALV. A563 GRADE DH NUTS & F436 WASHERS IN PAINTED AREAS AND FIELD CONNECTIONS.

4) BOLTS & NUTS SHALL BE ROTATIONAL CAPACITY TESTED.

5) DO NOT MIX NUTS & BOLTS FROM DIFFERENT CONTAINERS UNLESS ALL BOLTS & NUTS HAVE THE SAME LOT NUMBER.

6) ALL TYPE I BOLTS SHALL BE GALVANIZED PER AASHTO M298. △

FABRICATION

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

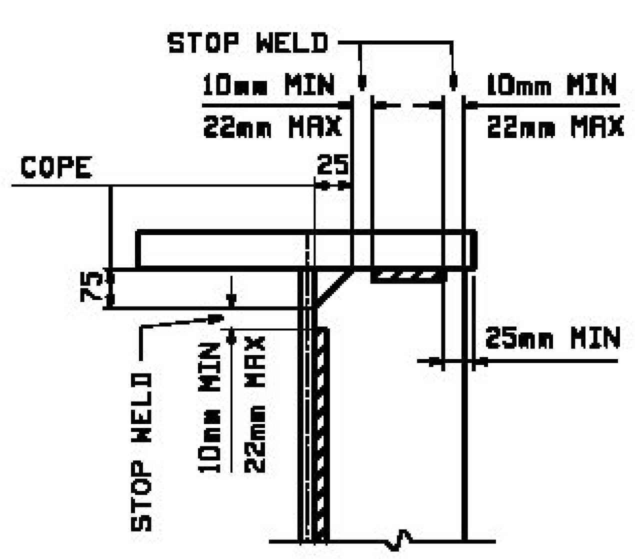
WELDING

1) THE CONFIGURATION OF THE WELD JOINTS AND ALL WELDING PROCEDURES SHALL BE IN ACCORDANCE WITH AASHTO/AWS D1.5-2010 BRIDGE WELDING CODE AND IN ADDITION TO SPECIFICATIONS SHOWN ABOVE. ALL WELDING WILL BE DETAILED TO PRE-QUALIFIED JOINTS, UNLESS PROHIBITED BY THE DESIGNER.

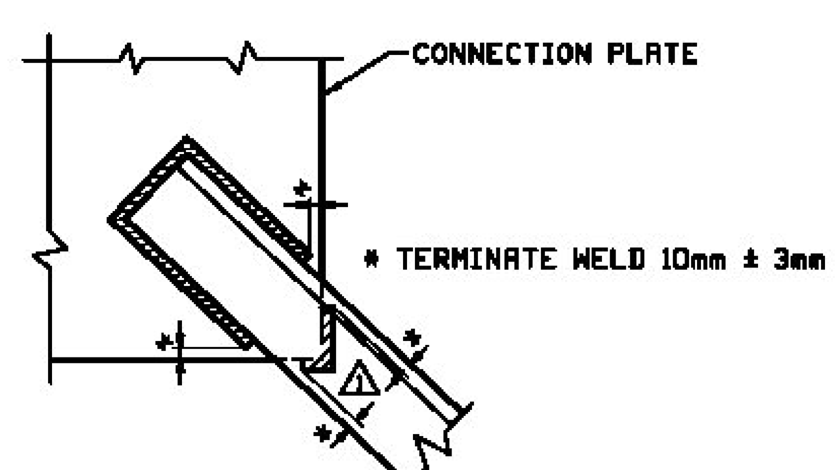
2) WELDING OF MAIN LOAD CARRYING MEMBERS AND ATTACHMENTS SHALL BE PERFORMED USING THE AUTOMATIC SUBMERGED ARC & SHIELDED METAL ARC PROCESSES. ALL WELDS ARE CONTINUOUS U.N.

3) NON DESTRUCTIVE TESTING OF WELDS SHALL BE IN ACCORDANCE WITH THE REFERENCED SPECIFICATION AND AS NOTED ON DETAIL DRAWINGS.

4) SEE DETAILS "WS1 & WS2" ON THIS DRAWING FOR WELD TERMINATION DETAILS.



DETAIL "WS1"
STIFFENER WELD TERMINATION



DETAIL "WS2"
TYP. WELD TERMINATION

FIELD CONNECTIONS

1) ALL FIELD CONNECTIONS SHALL BE MADE WITH 7/8" DIAMETER HIGH STRENGTH A-325 BOLTS TYPE 3, EXCEPT IN PAINTED AREAS SHALL BE A325 TYPE 1 GALV. 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.

4). AT OVERSIZED HOLE LOCATIONS A HARDENED WASHER SHALL BE PLACED UNDER BOTH THE HEAD AND THE NUT.

PAINTING

1) THE END 3050mm OF GIRDERS AND DIAPHRAGMS & LATERALS AT ABUTMENTS 1 & 2 SHALL BE PAINTED SEE SKETCH "P1", (UN).

2) THE END 1850mm OF DELTA LEGS (EXCLUDING BEARINGS) SHALL BE PAINTED. SEE DELTA LEG AND BEARING ASSEMBLY DETAIL DRAWINGS FOR PAINT LIMITS AND AREAS OF GALVANIZING OR METALIZING AT DELTA LEG BEARINGS.

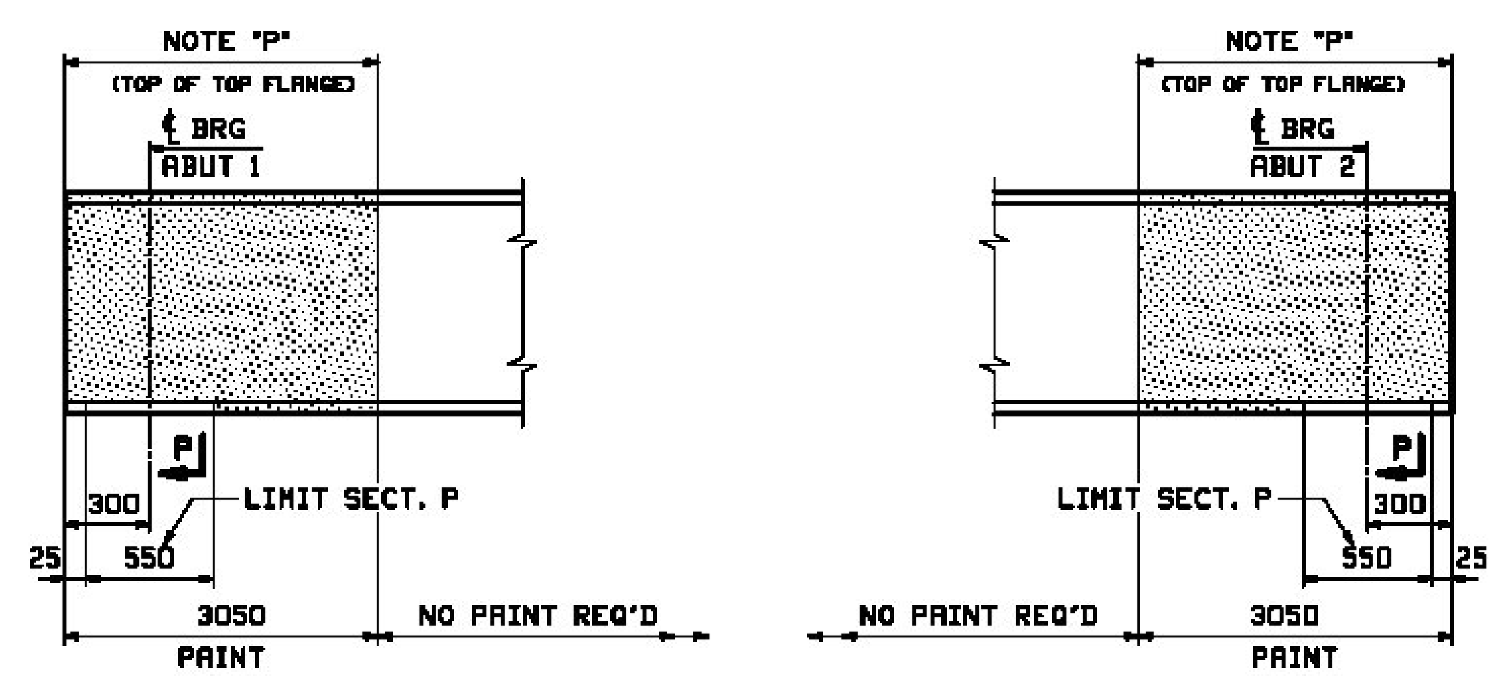
3) THE PAINT SYSTEM AND ITS APPLICATION SHALL CONFORM TO SECTIONS 513 AND 708 OF THE STANDARD SPECIFICATIONS.

4) PAINT SYSTEM SHALL BE AS FOLLOWS:
   PRIMER: CARBOLINE 859 ORGANIC ZINC RICH PRIMER - 3.0 - 5.0 MILS DFT.
   INTERMEDIATE: CARBOLINE 888 EPOXY 4.0-6.0 MILS DFT.
   TOPCOAT: CARBOLINE 133 LH ALIPHATIC POLYURETHANE - 3.0-5.0 MILS DFT.
   TOPCOAT COLOR: BROWN FED. COLOR #20059. - SUBMIT COLOR SAMPLE TO DEPARTMENT.

5) PRIME COAT ONLY WITHIN 3" OF OPEN HOLES IN PAINTED AREAS.

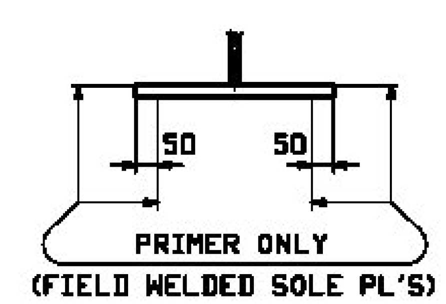
△

6) FIELD APPLIED BROWN GREASE, CONFORMING TO SUBSECTION 708.04, SHALL BE APPLIED PER SUBSECTION 513.06 TO THE SPECIFIED SURFACES WITHIN THE PAINTED ZONE.



SKETCH "P1"

NOTE "P"
PAINT WITH A LIGHT RUST-PREVENTATIVE COAT OF PRIMER (SEE TYPICAL SECTION AT TOP FLG).



SECTION P

SECTION AT TOP FLG
SEE NOTE "P"

VTrans
Agency of Transportation
X Approved ___ Rejected
___ Furnish as Corrected ___ Revise & Resubmit
Douglas F. Borneau, P.E. Date
Structures Project Manager

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

REV.	DATE	REMARKS	DWN	CHK	APVL	SHOP
△	12/18	APPROVAL COMMENTS	EEO	PCP		
0		~				

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
TENBOR

STRUCTURE:	VT 100 OVER LAMOILLE RIVER MORRISTOWN, VT LAMOILLE COUNTY STP F 029-1 (2) C/1	DRAWN: JTB	DATE: 08/21
		CHKD: PCP	DATE: 09/17
LOCATION:	MORRISTOWN, VT	JOB NO.	DWG NO.
PROJ NO.	STP F 029-1(2)C/1	521	GN1
CUSTOMER:	WINTERSET, INC.		REV. △