

GENERAL NOTES

1 CONSTRUCTION SPECIFICATIONS:

ALL MATERIAL AND WORKMANSHIP TO BE IN ACCORDANCE WITH THE STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2001 WITH LATEST REVISIONS AND THE SPECIAL PROVISIONS.

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (A.A.S.H.T.O.) STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 17 TH EDITION DATED 2002, WITH LATEST REVISIONS.

2 MATERIAL SPECIFICATIONS:

UNLESS NOTED, ALL STEEL TO BE AASHTO M270M GRADE 345 (ASTM A709M-345)

MATERIAL NOTED "CVN" ON DETAIL DRAWINGS SHALL BE CHARPY V-NOTCH TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF VERMONT STANDARD SPECIFICATIONS.

HIGH STRENGTH BOLTS: AASHTO M164 (ASTM A325M) 7/8" (22mm) DIA. IN 15/16" (24mm) DIAMETER HOLES (U.N.). ALL BOLTS SHALL BE TYPE 1 (GALVANIZED).

HEAVY HEXAGONAL NUTS: ASTM A563 GRADE DH (GALVANIZED). HARDENED FLAT WASHERS: ASTM F436 (GALVANIZED). BEVELED WASHERS: (GALVANIZED).

JOINTS WITH BOLTS THREADS EXCLUDED FROM THE SHEAR PLANE.

ALL MATERIAL REQUIREMENTS, CERTIFICATIONS, FABRICATIONS AND ASSEMBLY SHALL BE IN ACCORDANCE WITH SECTION 506 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION AND RELATED SPECIAL PROVISIONS.

3. FABRICATION:

ALL HOLES SHALL BE PUNCHED OR DRILLED FULL SIZE. GRIND BURRS AT HOLES SMOOTH.

4 WELDING:

THE CONFIGURATION OF THE WELD JOINTS AND ALL WELDING PROCEDURES SHALL BE IN ACCORDANCE WITH AASHTO/AWS D.1.5-02 BRIDGE WELDING CODE AND ADDITION TO SPECIFICATIONS SHOWN ABOVE. 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 SHALL BE CLEANED TO BE AT LEAST EQUIVALENT TO SURFACE PREPARATION GRADE SSPC SP-8 PER SPEC. 506.14(b)

6 GALVANIZING:

ALL CORNERS AND EDGES OF STEEL PLATES, SHAPES, ETC., SHALL BE GROUND TO A 1.6mm RADIUS PRIOR TO GALVANIZING.

ALL STEEL COMPONENTS OF THE TRUSS BRIDGE SHALL BE GALVANIZED IN ACCORDANCE WITH SUBSECTION 506.15 AND ALL RELATED SPECIAL PROVISIONS.

7 FIELD CONNECTIONS:

ALL FIELD CONNECTIONS SHALL BE MADE WITH 7/8"(22mm) DIAMETER HIGH STRENGTH A325 BOLTS TYPE 1, IN 15/16"(24mm) DIAMETER HOLES UNLESS OTHERWISE NOTED. INSTALLED PER 506.19(c) AND SPECIAL PROVISIONS.

PIECE MARKS WILL BE LOCATED AS SHOWN ON ERECTION DRAWINGS.

8 GALVANIZED CONNECTIONS TREATMENT

PRIMARY MEMBER TRUSS CONNECTIONS, FIELD SPLICES IN TENSION, FLOORBEAM TO TRUSS, AND FLOORBEAM TO STRINGER CONNECTIONS SHALL BE SLIP CRITICAL, CLASS 'C', SLIP COEFFICIENT .33.

THE PRIMARY MEMBER TRUSS CONNECTIONS AND FIELD SPLICES IN TENSION ARE: TRUSS BOTTOM CHORD CONNECTIONS, TRUSS BOTTOM CHORD FIELD SPLICES, TRUSS VERTICAL AND DIAGONAL CONNECTIONS AT THE TRUSS TOP CHORD END AND THE TRUSS BOTTOM CHORD END.

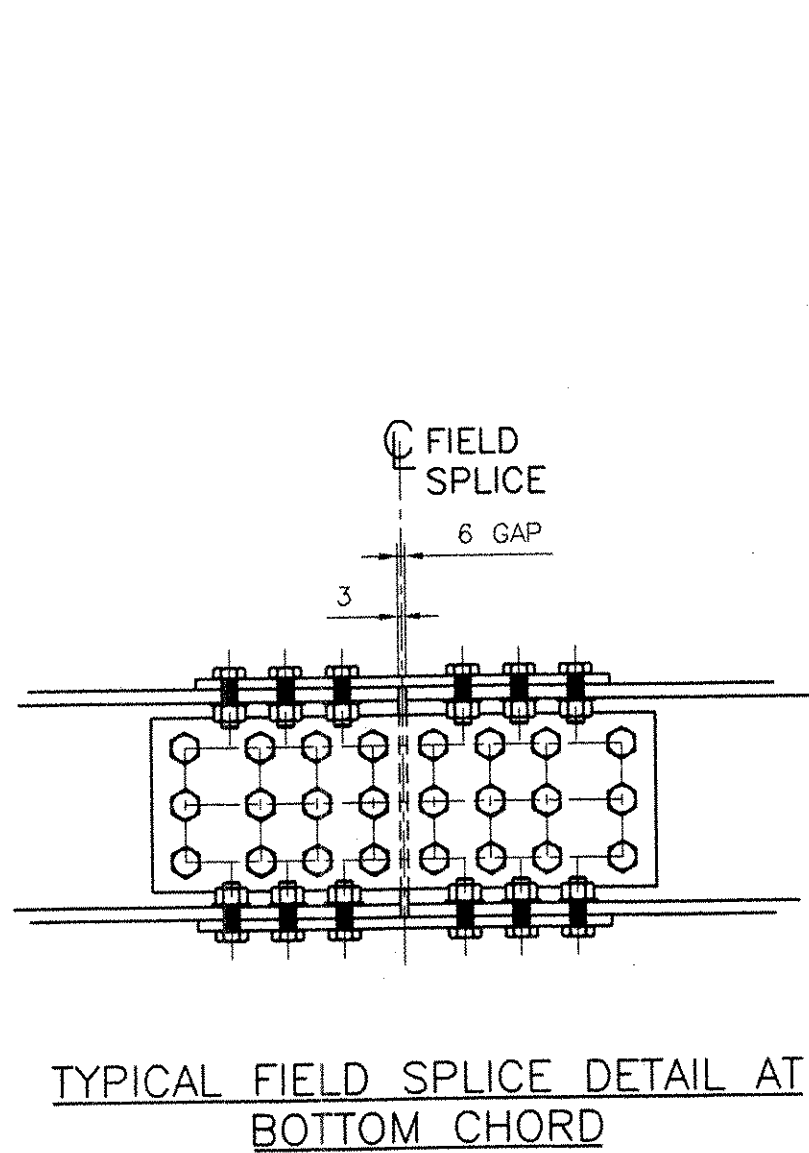
FAYING SURFACES OF SLIP CRITICAL BOLTED PARTS WILL BE ROUGHENED BY HAND WIRE BRUSHING, BY THE FABRICATOR, AFTER GALVANIZING.

CONNECTIONS REQUIRING MODIFICATION TO MEET THE REVISED DESIGN CRITERIA WILL BE ACCOMPLISHED AT OR FOLLOWING TRUSS ASSEMBLY.

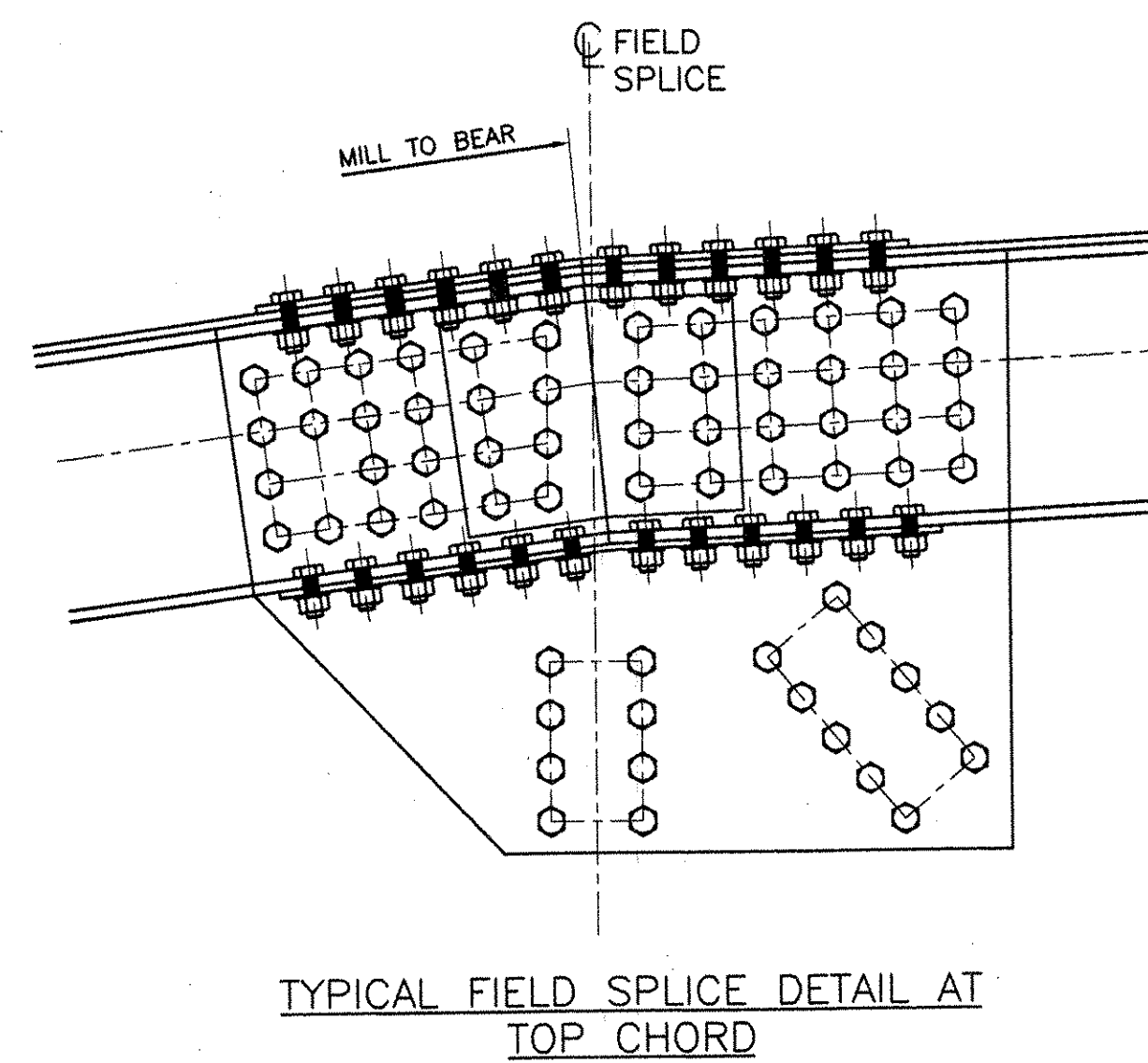
CONNECTION MODIFICATIONS REQUIRING USE OF A 1" BOLT (1 1/16" HOLE) IN PLACE OF ORIGINAL 7/8" BOLT (15/16" HOLE) WILL BE REAMED TO SIZE AT TRUSS ASSEMBLY, WITH ALL CONNECTING PARTS ASSEMBLED.

CONNECTION MODIFICATIONS REQUIRING DRILLING OF ADDITIONAL, NEW HOLES WILL BE ACCOMPLISHED PRIOR TO OR AT TRUSS ASSEMBLY.

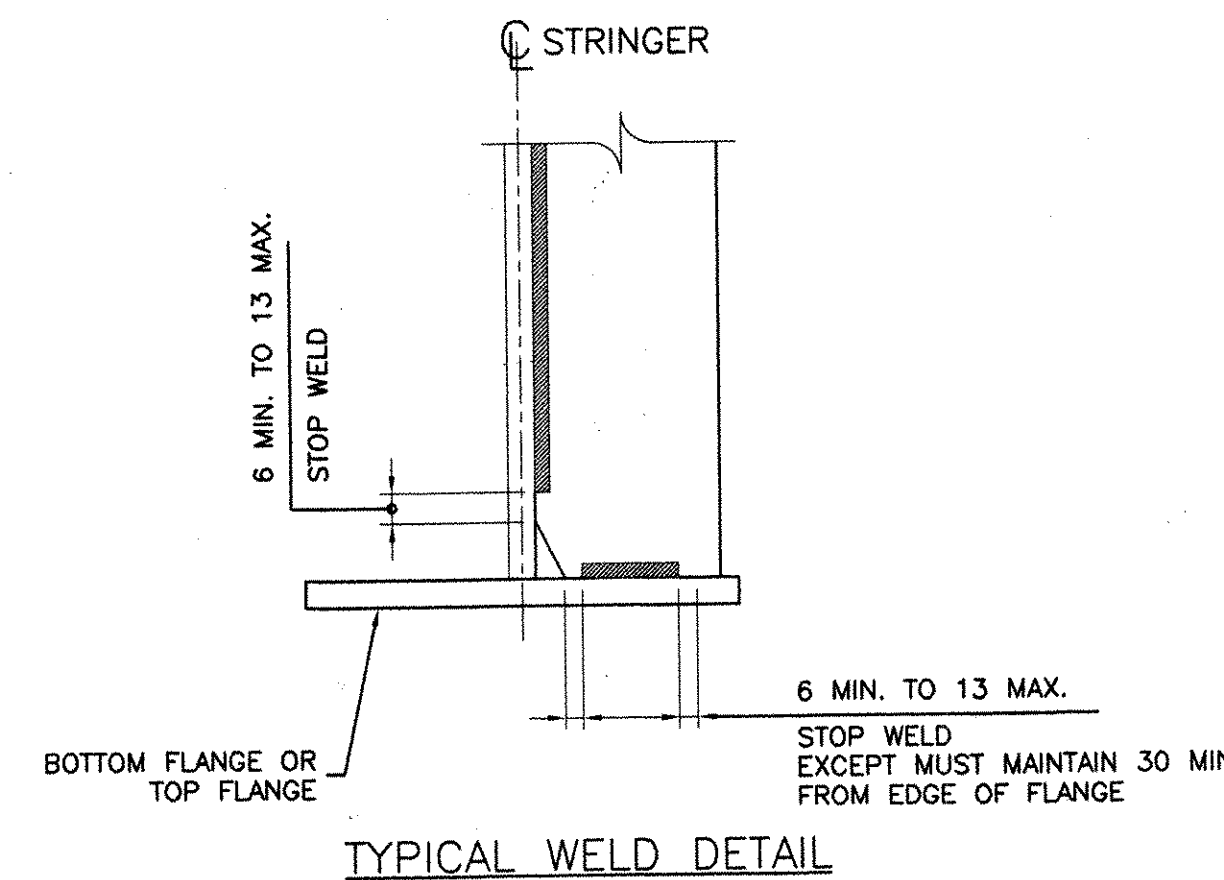
REAMED OR NEW HOLES WILL BE REPAIR GALVANIZED IN ACCORDANCE WITH ASTM A780, BY APPLICATION OF A COLD GALVANIZING COMPOUND.



TYPICAL FIELD SPLICE DETAIL AT BOTTOM CHORD



TYPICAL FIELD SPLICE DETAIL AT TOP CHORD



TYPICAL WELD DETAIL

RECEIVED
 CK'D BY: _____ CK'D BY: *MEM*
 SEP 23 2005
 RESUBMIT _____ APPROVED *[Signature]*
 BY _____ DATE 9/23/05

RESERVED FOR STAMPS

REV	DATE	DESCRIPTION	QTY	DATE	ISSUED TO	FOR
△	9/06/05	AS PER COMMENTS				
△	8/17/05	AS PER REVISED DESIGN	8	9/19/05	F.W. Whitcomb	APPROVAL
△	6/20/05	AS PER APPROVAL COMMENTS	8	4/8/05	F.W. WHITCOMB CONSTRUCTION	APPROVAL

PROJECT: ROUTE 100 OVER THE WEST RIVER
 LOCATION: TOWN OF JAMAICA
 ENGINEER: CLD CONSULTING ENGINEERS
 CUSTOMER: VERMONT A. O. T.

DRAWING TITLE: GENERAL NOTES
 DRAWN BY: YT 03/16/05 JOB
 CHECKED BY: GG 03/23/05 NUMBER: 5075 SHEET NUMBER: GN101

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