

GENERAL NOTES

MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE STATE OF VERMONT AGENCY OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION", 2001 AND ITS LATEST REVISIONS AND AASHTO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" 17TH EDITION AND ITS LATEST REVISIONS AS MODIFIED BY THE SUPPLEMENTAL SPECIFICATIONS, CONTRACT PLANS, AND THE SPECIAL PROVISIONS.

EDGE BEAMS, CENTER BEAMS, AND SUPPORT BARS SHALL BE AASHTO M270M, GRADE 345 (ASTM-A572) OR GRADE 345W (ASTM-A588) STEEL. CENTER BEAMS AND SUPPORT BARS SHALL MEET CHARPY V-NOTCH REQUIREMENTS OF 27 J AT 4°C.

SUPPORT BOXES SHALL BE ASTM-A500, GRADE B STEEL.

STAINLESS STEEL SLIDING SURFACES SHALL BE ASTM-A240, TYPE 304, WITH A 2b FINISH.

STUD ANCHORS SHALL BE ASTM-A108, GRADE 1020 STEEL AND AUTOMATICALLY END WELDED WITH COMPLETE FUSION. REPAIR STUDS USING WELD PROCEDURE NO. A-SM-STUD-REP-01, A-FF-STUD-REP-01, OR A-(MC)CF-STUD-REP-01.

FULL PENETRATION BUTT WELDED CENTER BEAM SPLICE CONNECTIONS AND CENTER BEAM TO SUPPORT BAR CONNECTIONS SHALL BE 100% ULTRASONICALLY TESTED.

NEOPRENE STRIP SEAL SHALL MEET THE REQUIREMENTS OF AASHTO M 297 (ASTM D 3542).

WELDING SHALL COMPLY WITH THE REQUIREMENTS OF AASHTO / AWS D1.5 BRIDGE WELDING CODE.

INSPECTION OF THE EXPANSION JOINTS SHALL BE PERFORMED BY THE DS BROWN - CHASKA OPERATIONS QC DEPARTMENT.

ALL STEEL IN THE EXPANSION JOINT DEVICES, EXCEPT STAINLESS STEEL, SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH AASHTO M111 (ASTM-A123). RADIUS ALL EDGES 2mm FOR GALVANIZING.

LIFTING DEVICES MAY BE WELDED TO PARTS FOR GALVANIZING IF NECESSARY. WHEN THEIR USE IS COMPLETE, REMOVE AND GRIND FLUSH ALL CONNECTION LOCATIONS. REPAIR GALVANIZE AREA PER ASTM A780.

MODULAR JOINTS SHALL BE EQUIPPED WITH TEMPERATURE ADJUSTMENT DEVICES TO ALLOW FOR ADJUSTMENTS PER FIELD ENGINEERS RECOMMENDATIONS.

NEOPRENE STRIP SEAL SHALL BE CONTINUOUS AND SHOP INSTALLED WITH A LUBRICANT ADHESIVE.

ALL STEEL SURFACES IN CONTACT WITH THE NEOPRENE SEAL SHALL BE CLEANED PRIOR TO THE INSTALLATION OF THE STRIP SEAL.

CARE SHALL BE TAKEN TO PREVENT DAMAGE DURING MOVING AND SHIPPING OF JOINTS.

MODULAR JOINTS SHALL FOLLOW ROADWAY SLOPE AND GRADE.

MODULAR JOINTS SHALL BE MARKED SHOWING JOINT TYPE AND PROPER LOCATION. MARKINGS SHALL BE VISIBLE AFTER JOINTS HAVE BEEN COMPLETELY INSTALLED.

MODULAR JOINTS SHALL BE DESIGNED TO ACCOMMODATE FATIGUE LOADING, PER DESIGN CRITERIA FOR MODULAR BRIDGE EXPANSION JOINTS AS SPECIFIED IN NCHRP REPORT 402.

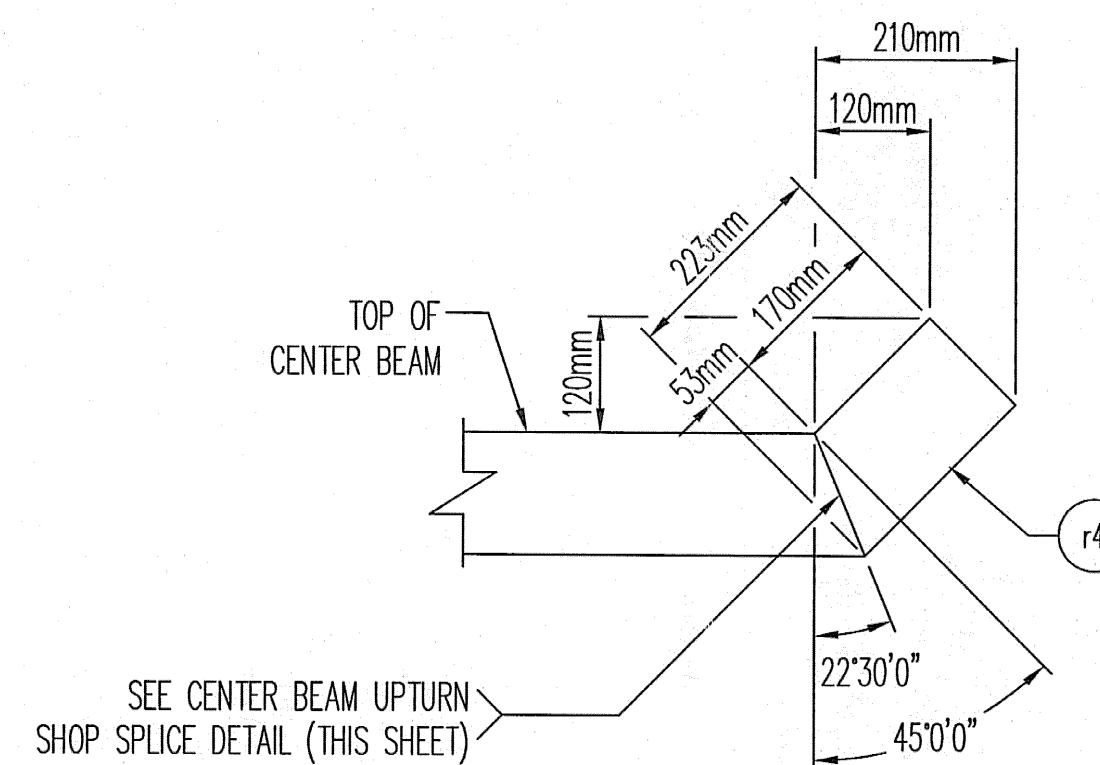
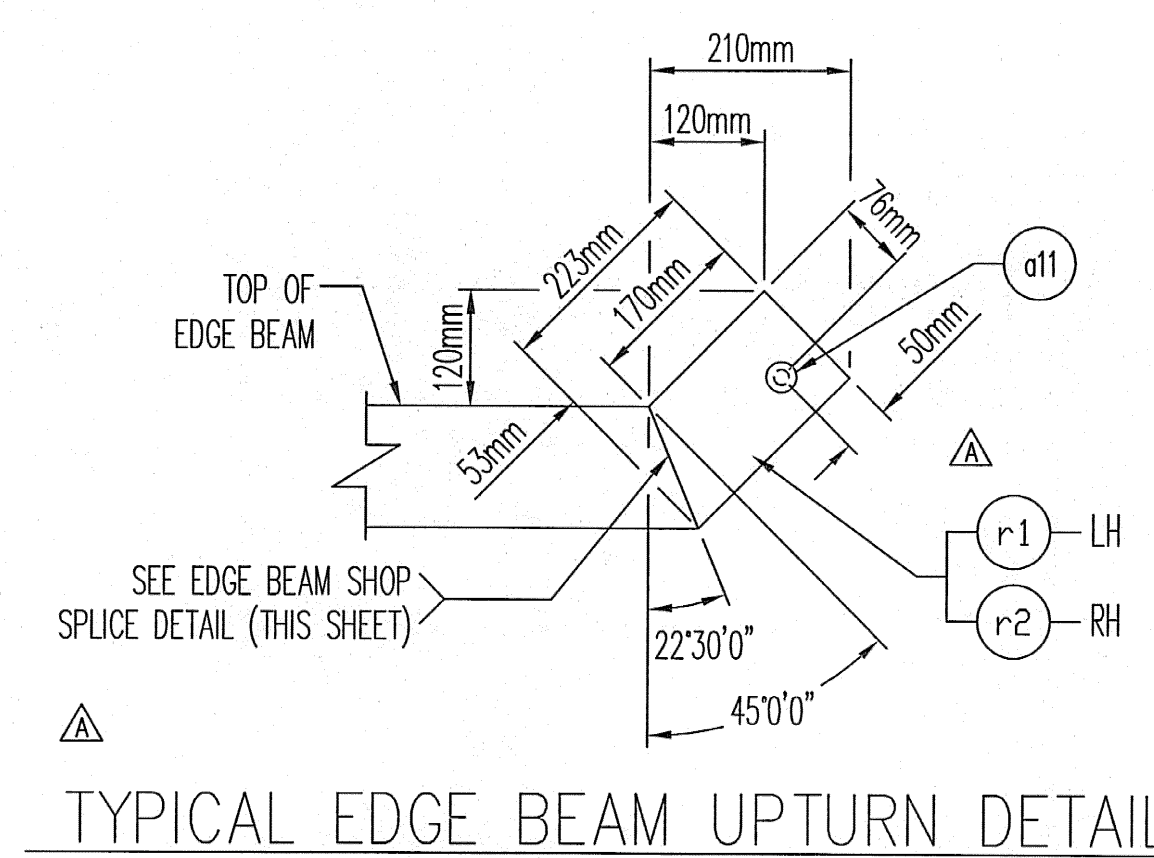
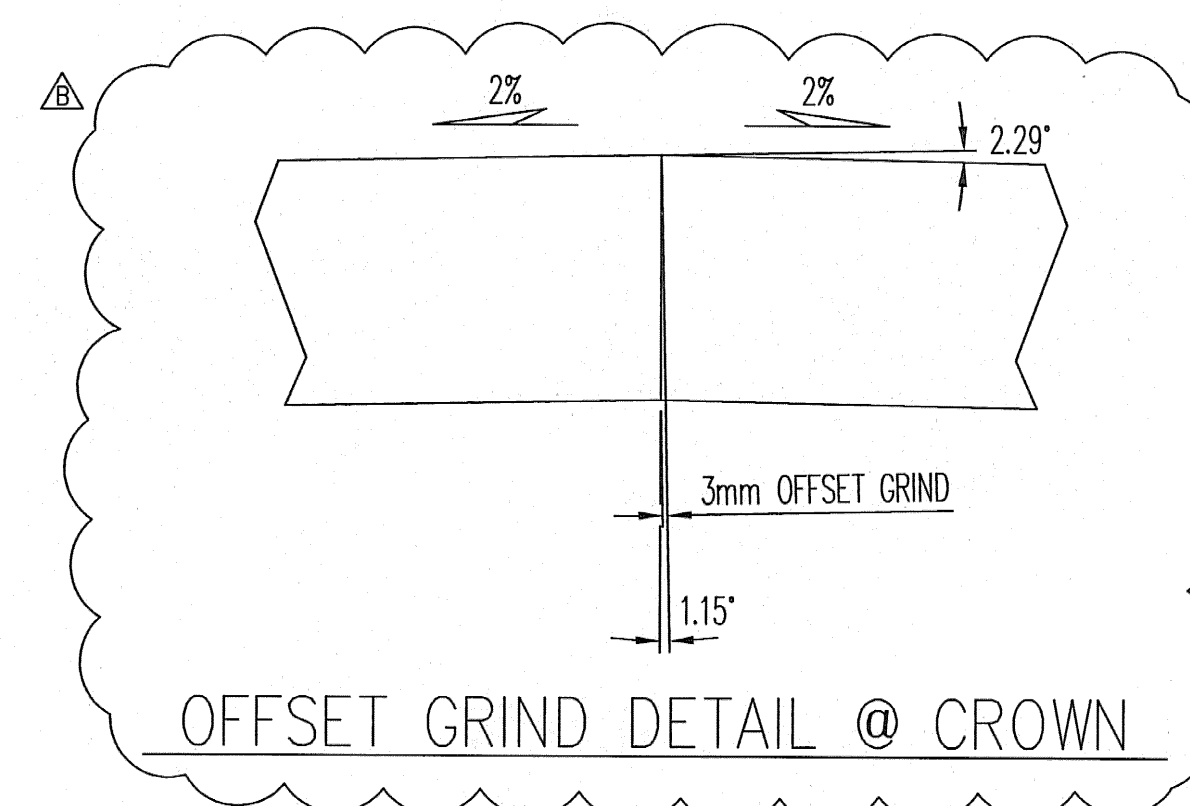
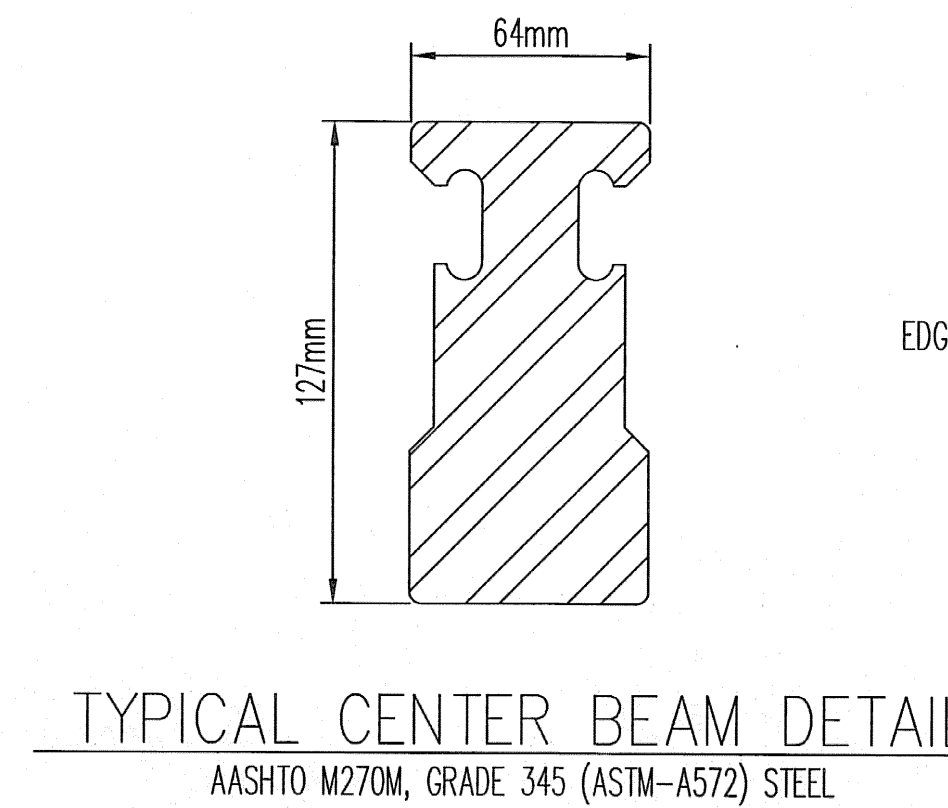
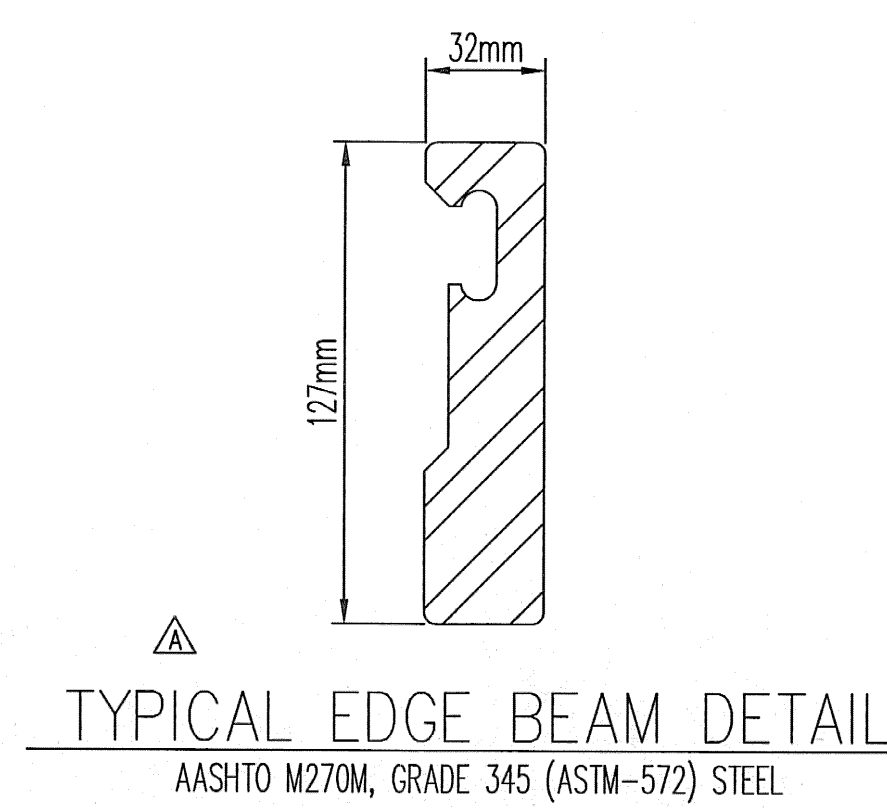
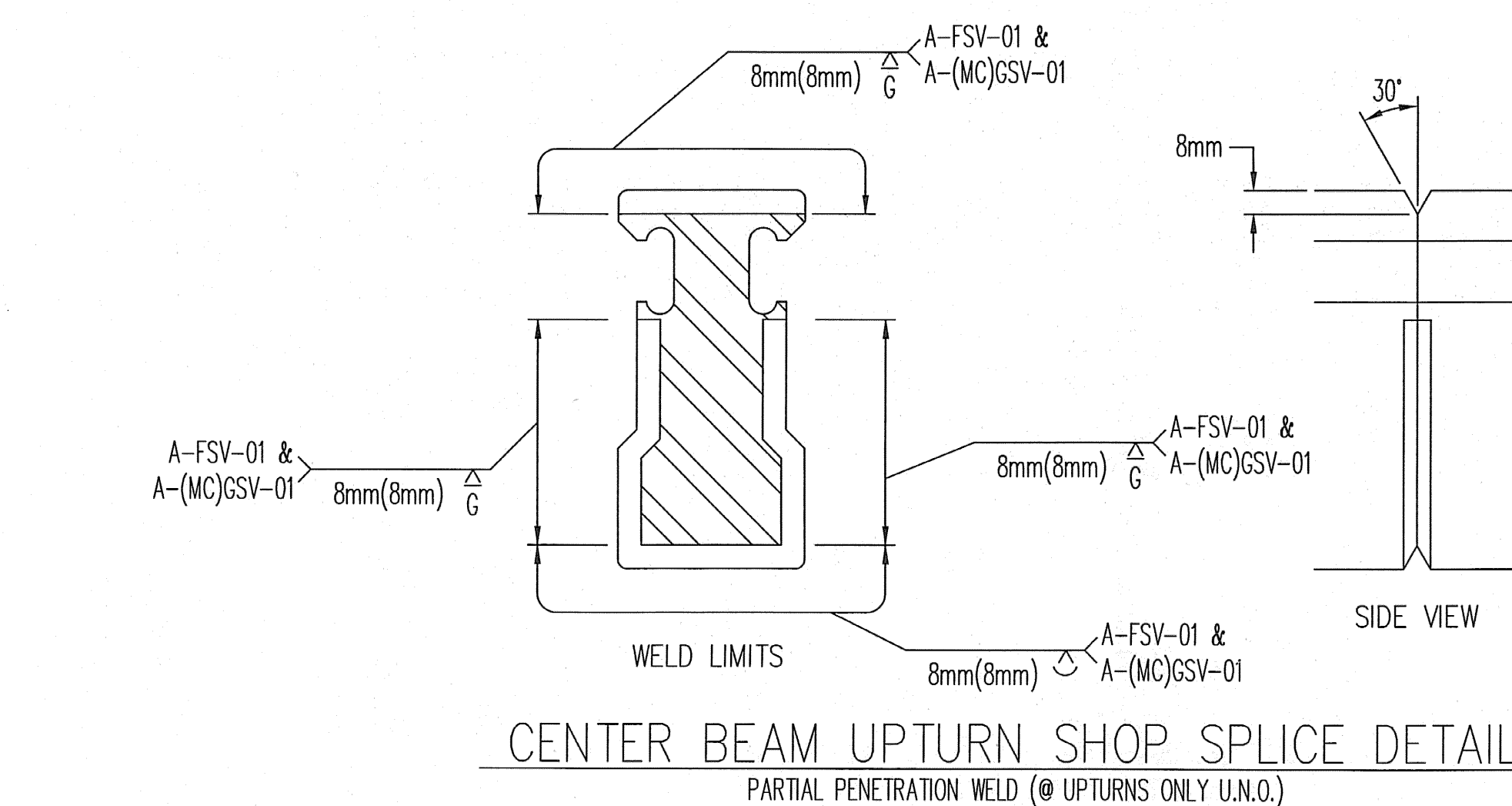
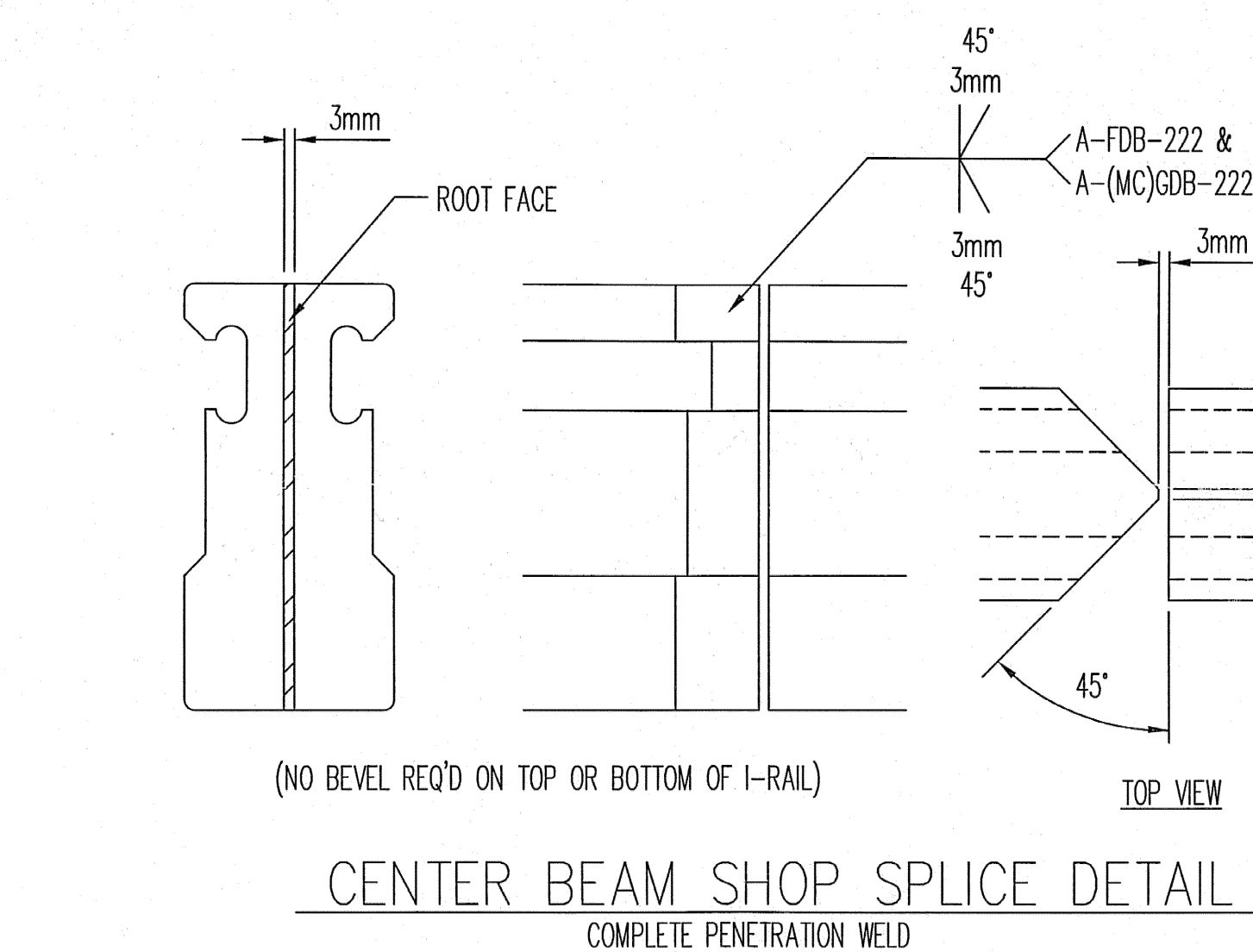
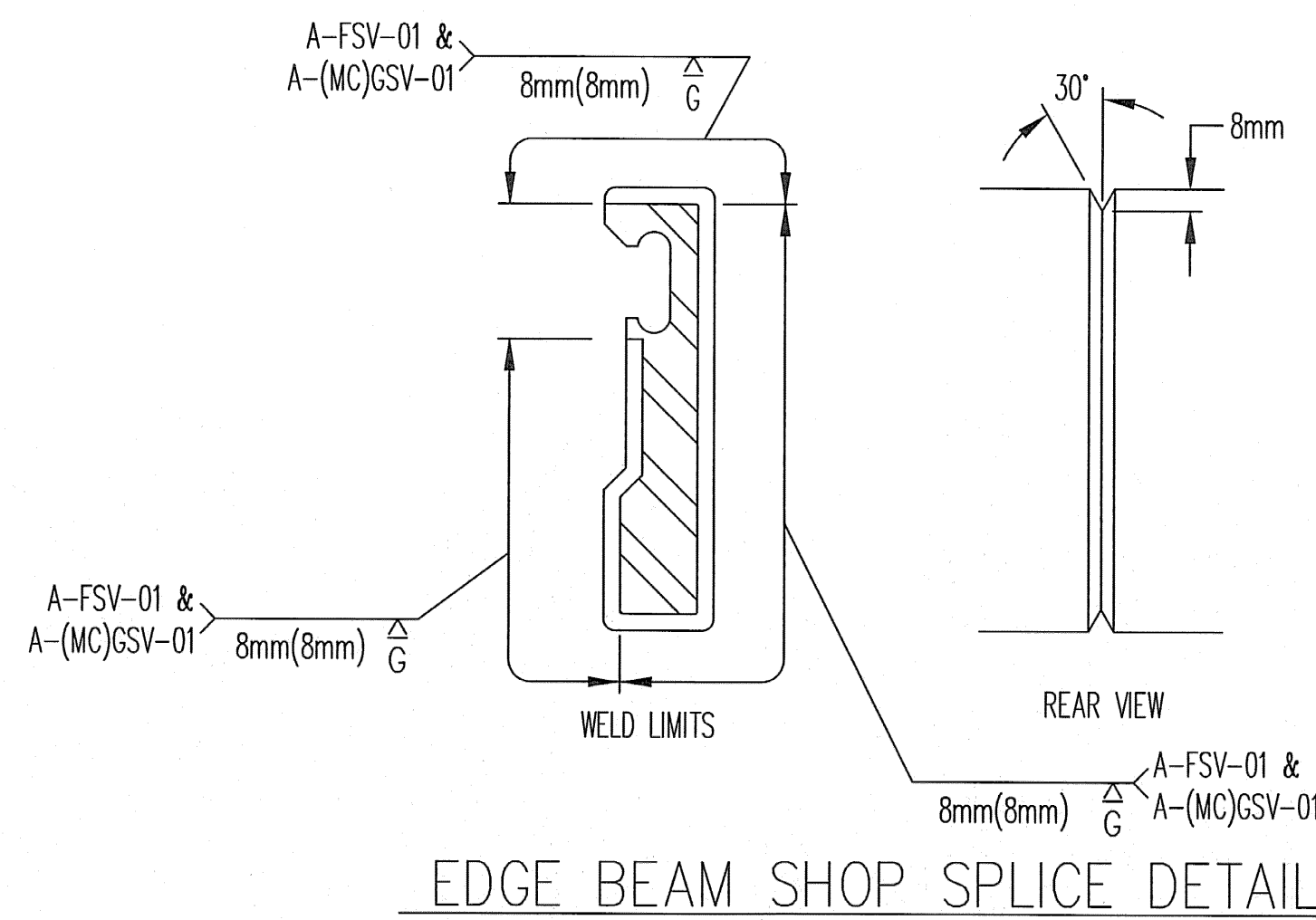
ANY TIGHTLY ADHERENT WELD SPATTER NEED NOT BE REMOVED IN COATING AREAS TO BE CAST IN CONCRETE.

MB 16mm X 89mm A307 REMOVABLE PLATE BOLT (ITEM p25) MAY EITHER BE COATED WITH ZINC PLATING OR MECHANICAL GALVANIZING.

DIMENSIONS ARE GIVEN IN MILLIMETERS UNLESS OTHERWISE NOTED.

CERTIFICATION WILL BE PROVIDED OF THE OPENING MOVEMENT VIBRATION TEST AND THE SEAL PUSH OUT TEST.

SEE ATTACHED SHEETS FOR PRECOMPRESSED SPRING AND SLIDE BEARING DETAILS.



SHOP DRAWING REVIEW

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.

REJECTED REVISE AND RESUBMIT 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 Venesse Hargen Brattin, Inc.
Engineers, Planners, and Scientists
Six Bedford Farms, Kilton Rd.
Bedford, NH 03110 603 254-0888

Job Number: 52911
Reviewed By: SMH
Date: 6/1/06

SUPPLY VERMONT ACT WITH BONDING PROCEDURE FOR PTFE USED IN BEARING ASSEMBLY. PROVIDE A REFERENCE NOTE TO THIS PROCEDURE IN THESE GENERAL NOTES.



REV.	DESCRIPTION	DATE	DET.	CKD.
△	REMOVED OPTIONAL CENTER BEAM SPLICE DETAIL; MODIFIED ITEMS IN TITLE BLOCK; ADDED NOTES & OFFSET GRIND DETAIL	04/02/06	RES	JLW
△	REMOVED EDGE BEAM DETAILS; MODIFIED DETAIL DESCRIPTION	10/24/05	RES	JLW

ITEM	QUANTITY
BRIDGE NO. — 2	—
PROJECT NO. — BRF 036-1 (1)	—
TOWN — ALBURG AND SWANTON	—
P.O. NO. — P078559 MIS	—
SUPERVISOR — MARK KACZINSKI	—
CUSTOMER — CIAMBRO CORPORATION	—

DESCRIPTION	SCALE	DRAWN BY	CHECKED BY	DATE	BRIDGE SHEET
STANDARD DETAILS COUNTIES OF GRAND ISLE AND FRANKLIN, VERMONT	N.T.S.	RES	JLW	03-10-05	2 OF 15
	PROJECT NUMBER 12244	PRODUCT CODE 1021	RELEASE 1	SHEET 2	

D.S. BROWN

300 E. CHERRY STREET
NORTH BALTIMORE, OHIO 45872
419.257.3561
FAX: 419.257.0332

4201 NOREX DRIVE
CHASKA, MINNESOTA 55318
952.368.3000
FAX: 952.448.7000
DSBROWN.COM