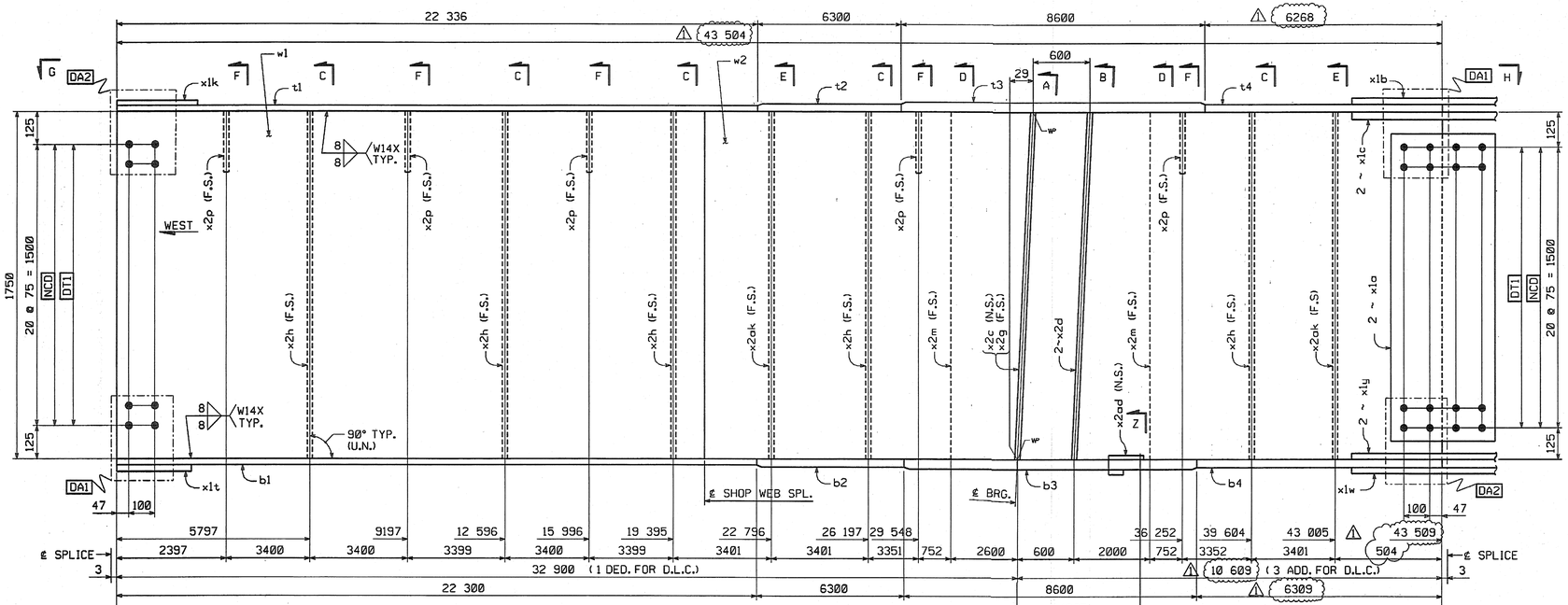
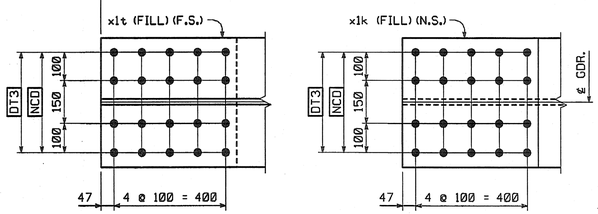
METRIC

METRIC

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. ALL WEIGHTS ARE IN KILOGRAMS.

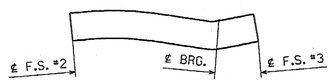
FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.
	VT	



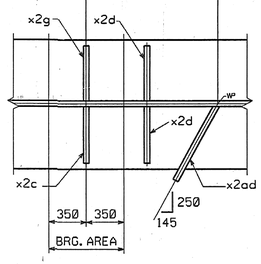


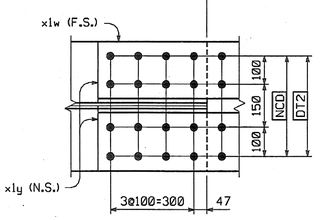
VIEW G

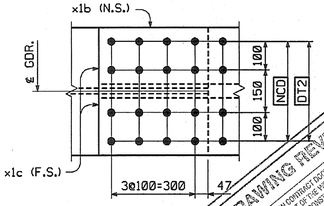
GIRDER ~ G4C



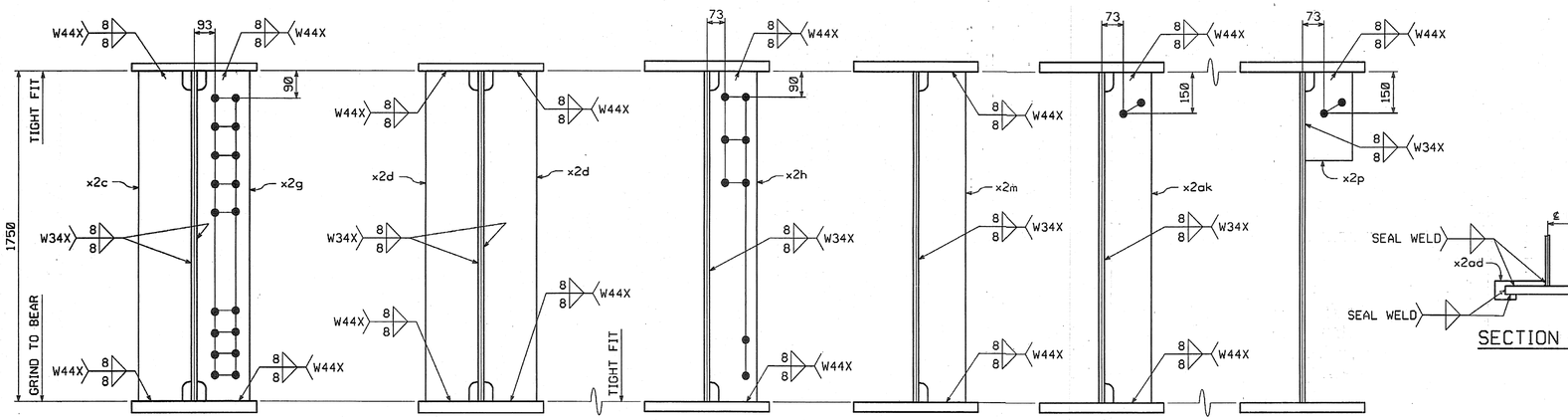
ORIENTATION DIAGRAM



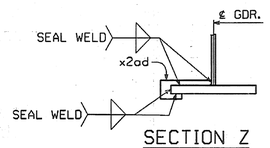




VIEW H



SECTION A SECTION B SECTION C SECTION D SECTION E SECTION F



SECTION Z

BILL OF MATERIAL

NO.	MARK	DESCRIPTION	LENGTH	REMARKS	GRP.	ITEM	SHIP. WT. KG. EA.
ONE	G4C	GIRDER					20 890
~~1~~	~~w1~~	~~PL 16 x 1750~~	~~19 908~~	~~(T)~~	~~3~~	~~9~~	~~4375.28~~
1	w2	PL 16 x 1750	23 608	(T)	3	2	5188.44
1	t1	PL 22 x 450	22 336	(T)	4	22	~~1735.64~~
1	t2	PL 32 x 450	6 300	(T)	4	15	~~712.07~~
1	t3	PL 65 x 450	8 600	(T)	4	3	~~1974.44~~
1	t4	PL 32 x 450	6 268	(T)	4	16	~~708.45~~
1	b1	PL 22 x 450	22 300	(T)	4	24	~~1732.85~~
1	b2	PL 32 x 450	6 300	(T)	4	15	~~712.07~~
1	b3	PL 65 x 450	8 600	(T)	4	3	~~1974.44~~
1	b4	PL 32 x 450	6 309	(T)	4	14	~~713.09~~
2	x1a	PL 12 x 1600	400	(T)	6	1	~~60.28~~
1	x1b	PL 14 x 450	790	(T)	6	6	~~39.06~~
2	x1c	PL 16 x 200	790	(T)	6	5	~~19.84~~
1	x1k	PL 18 x 450	~~492~~	FILL	6	4	31.28
1	x1t	PL 18 x 450	~~492~~	FILL	6	4	31.28
1	x1w	PL 14 x 450	790	(T)	6	6	~~39.06~~
2	x1y	PL 16 x 200	790	(T)	6	5	~~19.84~~
1	x2c	PL 38 x 200	1 750		7	1	~~104.39~~
2	x2d	PL 38 x 200	1 750		7	1	104.39
1	x2g	PL 38 x 200	1 750		7	1	~~104.39~~
5	x2h	PL 12 x 180	1 750		7	4	~~29.67~~
2	x2m	PL 12 x 180	1 750		7	4	~~29.67~~
5	x2p	PL 14 x 180	310		7	3	~~6.13~~
2	x2ak	PL 12 x 180	1 750		7	4	~~29.67~~
1	x2ad	PL 6 x ~~115~~	301	Volume=79650	7	5	~~1.63~~
		TOTAL WEIGHT THIS SHEET:		~~20884.28~~	kgs		

SHOP NOTE

HOLES: 15/16"ø
BOLTS: NONE
PAINT: NONE
FOR GENERAL SHOP NOTES SEE DWG. GN1.
FOR WEB CAMBER DIAGRAM, SEE DWG. WC1.

SHOP DRAWING REVIEW
RECEIVED AS REVIEWED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND ATTACHED SHOP DRAWINGS AND RESUBMISSIONS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS.
☐ REJECTED ☐ CHANGE AND RESUBMIT
CORRECTIONS OR CLARIFICATIONS MADE BY THE SHOP DRAWINGS UNDER THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. THIS CHECK ONLY APPROVES THE GENERAL METHOD OF CONSTRUCTION, MATERIALS, DETAILS AND DIMENSIONS SHOWN ON THE SHOP DRAWINGS AND PERMITS THE FABRICATION OF THE PROPER MATERIAL. DETAILS AND DIMENSIONS SHALL BE CHECKED AND CORRECTED AT THE JOB SITE AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF ALL WORK IN A SAFE AND SATISFACTORY MANNER.
Reviewed By: SCH
Job Number: 27044
Date: 08/16/04
Fabricated & Erected by: Williams Bridge Co. Williams Fabricated Forms, Inc. Williams Precast Products, Inc. 61 Griffin Road South Bloomfield, CT 06002 860-242-0463

NO.	REVISION	BY	DATE
1	INCREASE LENGTHS TO SATISFY REQUIREMENTS FOR LENGTH @ MEAN TEMPERATURE OF 45°F.	DP	9/17/04

HIGH STEEL STRUCTURES, INC.
1770 Hempstead Road
Lancaster, PA 17605-0008
Phone 717/299-5211
A Division of High Industries, Inc.

GIRDER G4C
VT 78 OVER MISSISQUOI BAY, BRIDGE NO. 2
VT 78 STA.10+970.425 TO STA.12+059.775
TOWNS OF ALBURG AND SWANTON
COUNTIES OF GRAND ISLE AND FRANKLIN
STATE OF VERMONT, AGENCY OF TRANSPORTATION

STATE CONTRACT OR REF. NO. BRF-036-1(1)
CONTRACTOR CIANBRO CORPORATION
IN CHARGE: GLIDDEN (IH) MADE BY: ERS CHK'D. BY: CS DATE: 8-18-04
CONTRACT NUMBER: VT-04057-1 DRAWING NUMBER: 12 OF 112

CODE:30

PLOTTED: 9/20/2004 10:44:44 PM BY: dpainter

A.E. 7.21-04
20848 79k
06-21-06 JMR
08-22-06