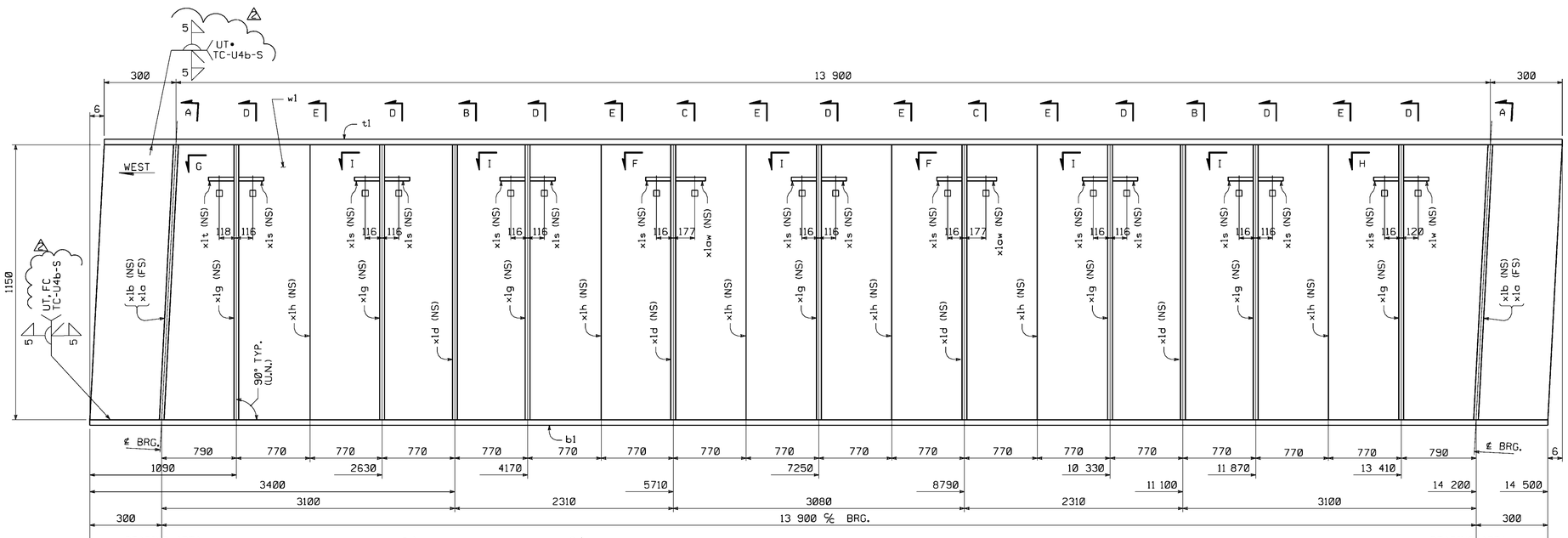
METRIC

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

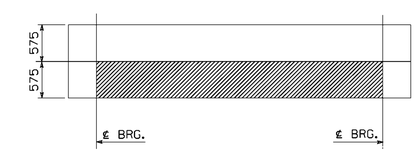
FED.ROAD DIV.NO.	STATE	FED.AID PROJ.NO.
3	PA	

BILL OF MATERIAL

NO.	MARK	DESCRIPTION	LENGTH	REMARKS	ITEM	SHIP. WEIGHT EA.
ONE	FG9C	GIRDER				9196kg
1	w1	PL 14 x 1150	14 506	A709M GR. 250 (FCM)	3/7	
1	t1	PL 70 x 420	14 500	(T) A709M GR. 250	4/8	
1	b1	PL 70 x 420	14 500	A709M GR. 250 (FCM)	4/7	
2	x1a	PL 22 x 195	1150	(T)	7/1	
2	x1b	PL 22 x 195	1150	(T)	7/1	
4	x1d	PL 14 x 195	1150	(T)	7/3	
7	x1g	PL 14 x 195	1150	(T)	7/3	
6	x1h	PL 14 x 140	1150	(T)	7/4	
14	x1s	PL 14 x 250	310	(T) A709M GR. 250	7/5	
1	x1t	PL 14 x 250	310	(T) A709M GR. 250	7/5	
1	x1w	PL 14 x 250	310	(T) A709M GR. 250	7/5	
2	x1aw	PL 14 x 305	335	(T) A709M GR. 250	7/5	



	A	B	C	D	E	F
SECT. G	118	x1t	42.15°	116	x1s	42.68°
SECT. H	116	x1s	42.68°	120	x1w	41.75°
SECT. I	116	x1s	42.68°	116	x1s	42.68°



FRACTURE CRITICAL / TENSION AREA DIAGRAM

HATCHING INDICATES TENSION AREA. ALL WELDS WITHIN THIS AREA ARE TO BE FRACTURE CRITICAL.

△1 UT• = TEST 100% AT EACH END OF TOP FLANGE FROM CENTERLINE OF BEARING FOR 10% OF LENGTH AND 10% OF REMAINING LENGTH.

△1 NOTE: PP ~ LIGHT RUST PREVENTIVE COAT

SHOP NOTE

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

NO.	REVISION	BY	DATE
△2	REVISED WELD SYMBOL PER SHOP REQUEST	RS	4/5/05
△1	REVISED UT NOTE AND NO PAINT TO LIGHT RUST PREVENTIVE COAT — APPROVAL CHANGE	RS	3/2/05

HIGH STEEL STRUCTURES, INC.
1770 Hempstead Road
Lancaster, PA 17601-5008
Phone 717/299-5211
A Division of High Industries, Inc.

GIRDER FG9C
N.S. RAILWAY TEMP. TRESTLE BRIDGE OVER S.R. 0309
N.S. RAILWAY TEMP. TRESTLE BRIDGE STA. 8 + 671.276
MONTGOMERY COUNTY, PA
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

STATE CONTRACT OR REF. NO. S-25417 ECMS NO. 64275
CONTRACTOR NYLEVE BRIDGE CORPORATION
IN CHARGE: COLONIAL(WRC) MADE BY: RAS CHK'D. BY: JTC DATE: 12-16-04
CONTRACT NUMBER: PA-04091-1 DRAWING NUMBER: 15 OF 46

CODE:30

PLOTTED: 04/07/25 07:34:18 AM BY: clnll