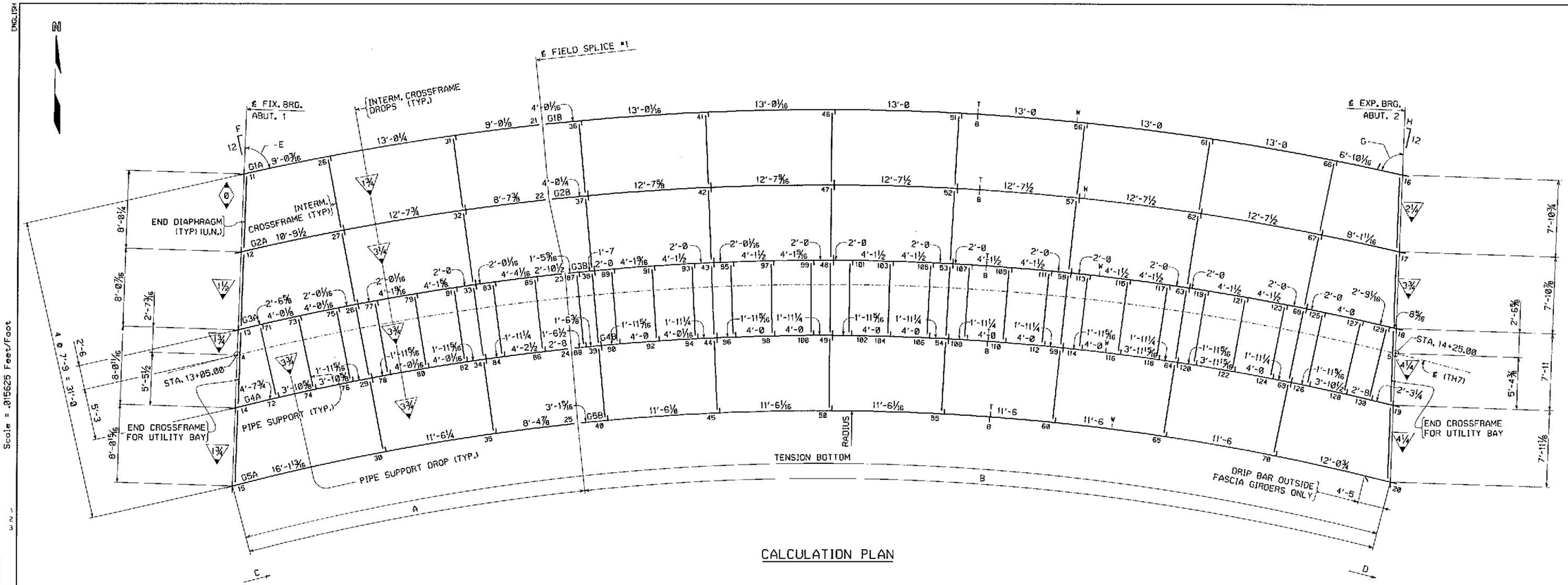
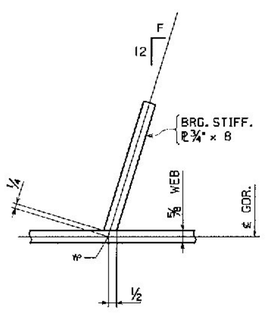
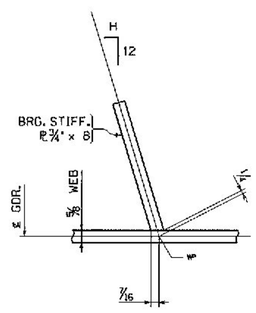


CALCULATION PLAN



SKEWED STIFF. LAYOUT @ ABUT. 1



SKEWED STIFF. LAYOUT @ ABUT. 2

LINE	A	B	C	D	E	F	G	H	RADIUS
G1	31'-0 9/16	88'-10 1/4	.0652	.0244	75°-19'-53.760"	3 1/8	79°-2'-54.240"	2 5/16	268'-0
G2	32'-0 5/8	87'-11 1/8	.0679	.0247	74°-53'-4.200"	3 1/4	78°-43'-4.800"	2 3/8	260'-3
G3	34'-0 3/4	86'-0 1/8	.0707	.0248	74°-24'-32.400"	3 3/8	78°-22'-1.200"	2 1/2	252'-6
G4	35'-0 13/16	85'-1 3/16	.0738	.0249	73°-54'-7.560"	3 7/16	77°-59'-35.520"	2 9/16	244'-9
G5	36'-0 15/16	84'-2 5/16	.0772	.0250	73°-21'-38.160"	3 9/16	77°-35'-40.200"	2 5/8	237'-0

NOTES:

DIMENSIONS ON PLAN ALONG GIRDERS ARE GIVEN TO THE CHORD AT THE BOTTOM OF WEB IN FULLY CAMBERED POSITION. ALL OTHER DIMENSIONS ARE GIVEN HORIZONTALLY.

DIMENSIONS PLACED ON THE GIRDER LINES REPRESENT CROSSFRAME SPACING.

FIGURES GIVEN THUS: .0652 ARE THE GRADES OF THE GIRDERS AT THE BEARINGS IN FINAL POSITION; ARROW POINTS DOWNGRADE.

ALL STIFFENER AND CONNECTION PLATE SPACINGS ARE GIVEN TO ℄ PLATE.

ENDS OF GIRDERS AND ALL BEARING STIFFENERS/CONNECTION PLATES TO BE VERTICAL IN FINAL POSITION.

ALL STEEL TO BE ASSHTO M270 GRADE 50W (U.N.).

ALL FIELD CONNECTIONS TO BE MADE WITH ⅞"ø H.S. (M164 TYPE 3) BOLTS IN 15/16"ø HOLES. (U.N.).

FIGURES GIVEN THUS: 1/8 ARE THE DIFFERENCES IN ELEVATIONS OF GIRDERS (IN THE PLANE OF THE CROSSFRAME IN FINAL POSITION) AT CROSSFRAMES; ARROW POINTS TOWARD LOW GIRDER.

FOR TYPICAL DETAIL LAYOUTS, SEE DRAWINGS PREFIXED "TD".

MARKS GIVEN THUS: W T I / 1' 1'B REPRESENT WEB & FLANGE SHOP SPLICE LOCATIONS.

NOTE
THE PURPOSE OF THIS DRAWING IS TO COORDINATE GEOMETRIC CONTROL INFORMATION. THIS DRAWING IS SUBMITTED FOR INFORMATION ONLY AND IS NOT INTENDED FOR SHOP FABRICATION. THIS DRAWING IS FOR REFERENCE ONLY, APPROVAL IS NOT REQUIRED.

Vermont Agency of Transportation
RECEIVED
CK'D BY J. CLARK OK'D BY J. GRIFFIN
February 12, 2013
RESUBMIT NO Approved
BY J. LACROIX DATE 02/25/2013

CROSSMEMBER DROPS AND POINT TO POINT DIMENSIONS
MADE BY: CDS
CHECKED BY: MGK

NO.	REVISION	BY	CHK'D	DATE

HIGH STEEL STRUCTURES INC.
An ISO 9001:2000 Certified Company
An Affiliate of High Industries Inc.
Lancaster Facility: 115 Old Philadelphia Pike, Lancaster, PA 17602-2008, Phone (717) 293-3121
Williamsport Facility: 3300 W. 4th Street, Williamsport, PA 17701, Phone (570) 326-4051
www.highsteel.com

HOLES
BOLTS
COATING
CODE(S)
SCALE N.T.S.

CALCULATION PLAN
ROUTE NO. TH7 (BRIDGE ST.) OVER STEVENS BRANCH
ROUTE NO. TH7 STA. 13+05.00 TO STA. 14+25.00
BRIDGE NO. 11, TOWN OF BARRE, COUNTY OF WASHINGTON
STATE OF VERMONT
AGENCY OF TRANSPORTATION

STATE CONT. OR REF. NO.: | FED. AID PROJ. NO.:
GENERAL CONTRACTOR: MILLER CONSTRUCTION, INC. | HSSI PROJ. MGR: KEN GLIDDEN
VT | DRAWING MANAGER: JOSH MURRY (JH) | MADE BY: DH | CHK'D. BY: KLW | DATE: 12/11/12
HSSI PROJECT NUMBER: S-1120266A-1 | DRAWING NUMBER: WS1 OF WS1

ENGLISH
Scale = .0156625 Feet/Foot
SHIPMENT 01 PM&ENG: 5022752 PRD: 5022752 SHIP&ERECT: 5022753
PLOTTED: 1/4/2013 7:02:33 AM BY: MGricker