



Scale = 1/8\"/>

CALCULATION PLAN

LINE	RADIUS	A	B	C	D	E	F
G1	655'-1 ¹ / ₁₆	73'-1 ³ / ₁₆	29'-8 ¹ / ₁₆	102'-10 ³ / ₁₆	.0046	.0062	.0092
G2	645'-10 ⁷ / ₁₆	72'-10 ¹ / ₁₆	28'-6 ⁹ / ₁₆	101'-5 ⁵ / ₁₆	.0038	.0063	.0087
G3	636'-7 ¹ / ₁₆	72'-5 ¹ / ₁₆	27'-6 ¹ / ₁₆	99'-11 ¹ / ₁₆	.0042	.0064	.0079
G4	627'-4 ⁷ / ₁₆	71'-6 ³ / ₁₆	26'-11 ¹ / ₁₆	98'-6 ⁷ / ₁₆	.0035	.0065	.0096
G5	618'-1 ⁷ / ₁₆	70'-9 ¹ / ₁₆	26'-3 ³ / ₁₆	97'-1 ¹ / ₁₆	.0025	.0066	.0107

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: $\frac{0.045}{16}$ ARE THE GRADES OF THE GIRDERS AT THE BEARINGS IN FINAL POSITION; ARROW POINTS DOWNGRADE.

ALL STIFFENER AND CONNECTION PLATE SPACINGS ARE GIVEN TO $\frac{1}{8}$ PLATE. ENDS OF GIRDERS AND ALL BEARING STIFFENERS TO BE VERTICAL IN FINAL POSITION.

ALL STEEL TO BE AASHTO M270 GRADE 50W (U.N.). ALL FIELD CONNECTIONS TO BE MADE WITH $\frac{1}{8}$ " H.S. (AASHTO M164 TYPE 3) BOLTS IN $\frac{1}{8}$ " HOLES.

FIGURES GIVEN THUS: $\frac{0.045}{16}$ 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'.

****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.

RECEIVED
 CKD BY: JS OKD BY: JS
 JAN 30 2007
 RESUBMIT APPROVED: JS
 BY: JS DATE: 1-31-2007

NO.	REVISION	BY	DATE

1770 Hempstead Road
Lancaster, Pa. 17605-0008
Phone 717/299-5211

HIGH STEEL STRUCTURES, INC.

A Division of High Industries, Inc.

WORKSHEET - CALCULATION PLAN
 VT. 12 (MAIN ST.) OVER THIRD BRANCH OF THE WHITE RIVER
 VT. 12 STA. 15+36.00 TO STA. 17+36.00
 TOWN OF RANDOLPH, ORANGE COUNTY, VT. BRIDGE NO. 42
 STATE OF VERMONT
 AGENCY OF TRANSPORTATION

STATE CONTRACT PROJECT NO. RANDOLPH BR 0241 (29)
 OR REF. NO.
 CONTRACTOR: WINTERSET, INC.
 IN CHARGE: BRITIGAN (IH) MADE BY: ES CHK'D BY: WSW DATE: 11-8-06
 CONTRACT NUMBER: VT-06215-1 DRAWING NUMBER: WS1 OF WS1