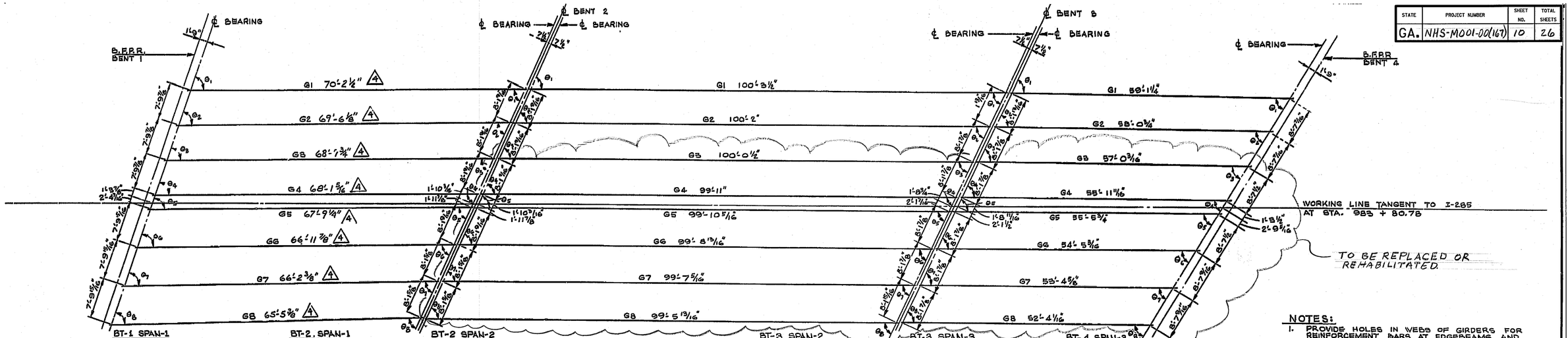
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NHS-M001-00(167)	10	26



BT-1 SPAN-1
$\theta_1 = 71°36'00"$
$\theta_2 = 71°35'07"$
$\theta_3 = 71°34'15"$
$\theta_4 = 71°33'23"$
$\theta_5 = 71°32'58"$
$\theta_6 = 71°32'05"$
$\theta_7 = 71°31'13"$
$\theta_8 = 71°30'20"$

BT-2. SPAN-1
$\theta_1 = 65°39'47"$
$\theta_2 = 65°38'54"$
$\theta_3 = 65°38'02"$
$\theta_4 = 65°37'10"$
$\theta_5 = 65°36'45"$
$\theta_6 = 65°35'52"$
$\theta_7 = 65°35'00"$
$\theta_8 = 65°34'07"$

BT-2 SPAN-2
$\theta_1 = 66°06'00"$
$\theta_2 = 66°05'00"$
$\theta_3 = 66°03'59"$
$\theta_4 = 66°02'59"$
$\theta_5 = 66°02'30"$
$\theta_6 = 66°01'29"$
$\theta_7 = 66°00'29"$
$\theta_8 = 65°59'28"$

NOTE: DIMENSIONS SHOWN ABOVE ARE FROM ℄ BEARING TO ℄ BEARING

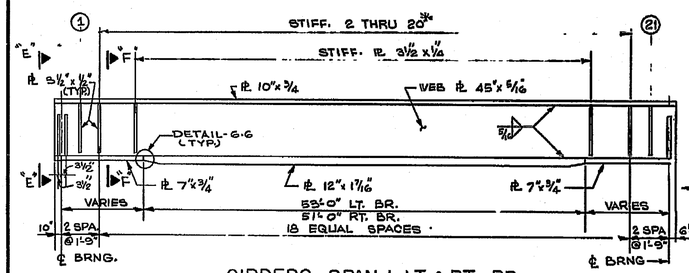
BT-3 SPAN-2
$\theta_1 = 65°12'56"$
$\theta_2 = 65°11'55"$
$\theta_3 = 65°10'55"$
$\theta_4 = 65°09'55"$
$\theta_5 = 65°09'26"$
$\theta_6 = 65°08'25"$
$\theta_7 = 65°07'25"$
$\theta_8 = 65°06'24"$

BT-3 SPAN-3
$\theta_1 = 65°37'24"$
$\theta_2 = 65°36'14"$
$\theta_3 = 65°35'04"$
$\theta_4 = 65°33'54"$
$\theta_5 = 65°33'21"$
$\theta_6 = 65°32'11"$
$\theta_7 = 65°31'00"$
$\theta_8 = 65°29'50"$

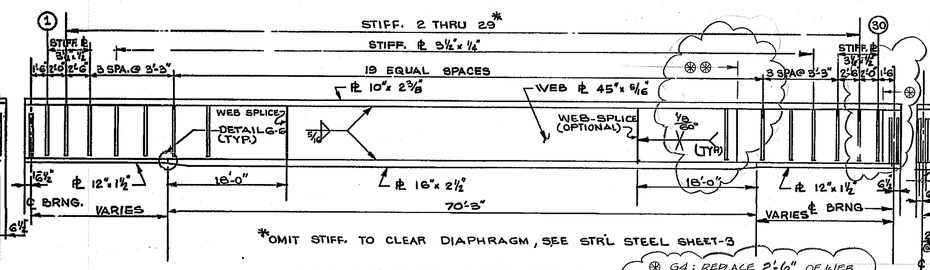
BT-4 SPAN-3
$\theta_1 = 59°14'06"$
$\theta_2 = 59°12'57"$
$\theta_3 = 59°11'47"$
$\theta_4 = 59°10'37"$
$\theta_5 = 59°10'03"$
$\theta_6 = 59°08'53"$
$\theta_7 = 59°07'43"$
$\theta_8 = 59°06'32"$

FRAMING PLAN
NO SCALE

NOTES:
1. PROVIDE HOLES IN WEBS OF GIRDERS FOR REINFORCEMENT BARS AT EDGEBEAMS AND DIAPHRAGMS. SEE STRUCTURAL STEEL SHEET 3
2. ALL STRUCTURAL STEEL IS TO BE A-36
3. FOR SHEAR STUD DETAILS, SEE DET. 6-3 [= 5", N= ⊄
4. ENDS OF BEAMS TO BE VERTICAL AFTER ERECTION.
5. BEAMS TO BE CAMBERED TO EQUAL TOTAL DEFLECTION OF BEAM. CAMBER SHALL BE THAT FURNISHED AFTER SHEAR CONNECTORS ARE PLACED.
6. ALL DIMENSIONS SHOWN ON FRAMING PLAN ARE FROM ℄ BRNG. TO ℄ BRNG.
7. WEBS AND BOTTOM FLANGES OF GIRDERS IN SPAN 1, 2 & 3 ARE MAIN LOAD CARRYING MEMBERS, SUBJECT TO TENSILE STRESS.



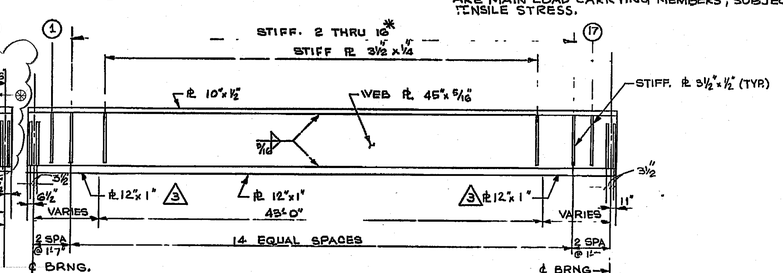
GIRDERS-SPAN 1 LT. & RT. BR.
NO SCALE



GIRDERS-SPAN 2 LT. & RT. BR.
NO SCALE

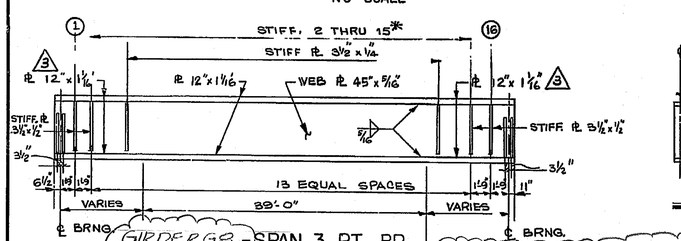
NOTE: HEAT STRAIGHTEN GIRDER G8, SPAN 2, RT BRIDGE.

⊛ G4: REPLACE 2'-6" OF WEB
⊛⊛ G5, G6, G7: REPLACE 19'-4" OF WEB.



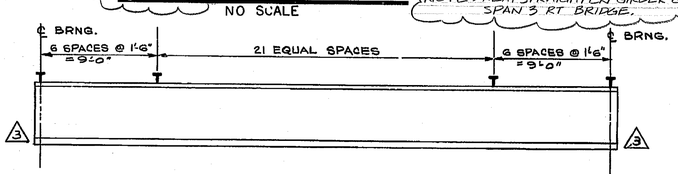
GIRDERS-SPAN 3 LT. BR.
NO SCALE

NOTE: HEAT STRAIGHTEN GIRDER G3 SPAN 3 LT BRIDGE.

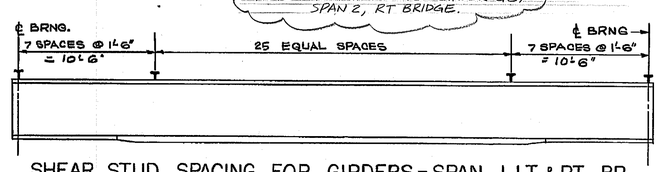


GIRDER G8 - SPAN 3 RT. BR.
NO SCALE

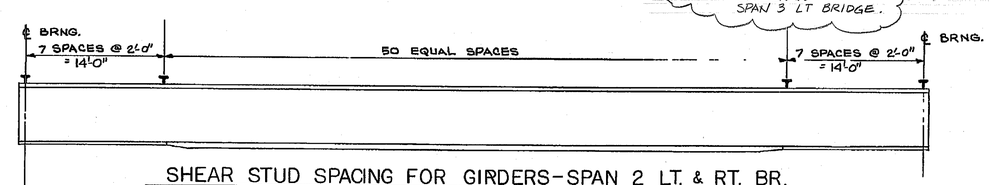
NOTE: HEAT STRAIGHTEN GIRDER G8, SPAN 3 RT BRIDGE.



SHEAR STUD SPACING FOR GIRDERS-SPAN 3 LT. BR.
NO SCALE

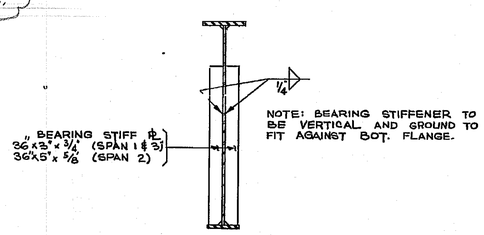


SHEAR STUD SPACING FOR GIRDERS-SPAN 1 LT. & RT. BR.
NO SCALE

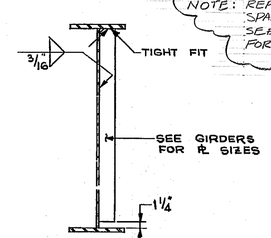


SHEAR STUD SPACING FOR GIRDERS-SPAN 2 LT. & RT. BR.
NO SCALE

NOTE: REPLACE GIRDERS G4, G5, G6, & G7 SPAN 3, RT BRIDGE. SEE BRIDGE SHEET 7 OF 20 FOR DETAILS.



BEARING STIFF. DETAIL
(TYP. ALL GIRDERS)
SECT. "EE"
SCALE: 3"=4'-0"



INTERMEDIATE STIFF. DETAIL
(TYP. ALL GIRDERS)
SECT. "FF"
SCALE: 3"=4'-0"

BRIDGE NO. 4 & 5

NO.	REVISIONS	DATE	BY
3	CHANGED PLATE SIZES	1-16-75	HJL
4	REVISED SPAN 1 BM. DIMS.	1-21-75	HJL

BRIDGE SHEET 6 OF 20
FILE 0203
SIMECO JOB NO 73 - 1123
BRIDGE SHEET 5 OF 13

SIMONS · EASTERN COMPANY
ATLANTA, GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION-BRIDGE DESIGN

STRUCTURAL STEEL DETAILS-SHEET NO. 1
I-285 OVER S.R. 400
FULTON COUNTY — I-FI-285-1(84)88 CT.3
SCALE: AS SHOWN — DATE: JAN., 1974

DESIGNED VP
DRAWN RFR
TRACED
CHECKED RSF
REVIEWED
APPROVED