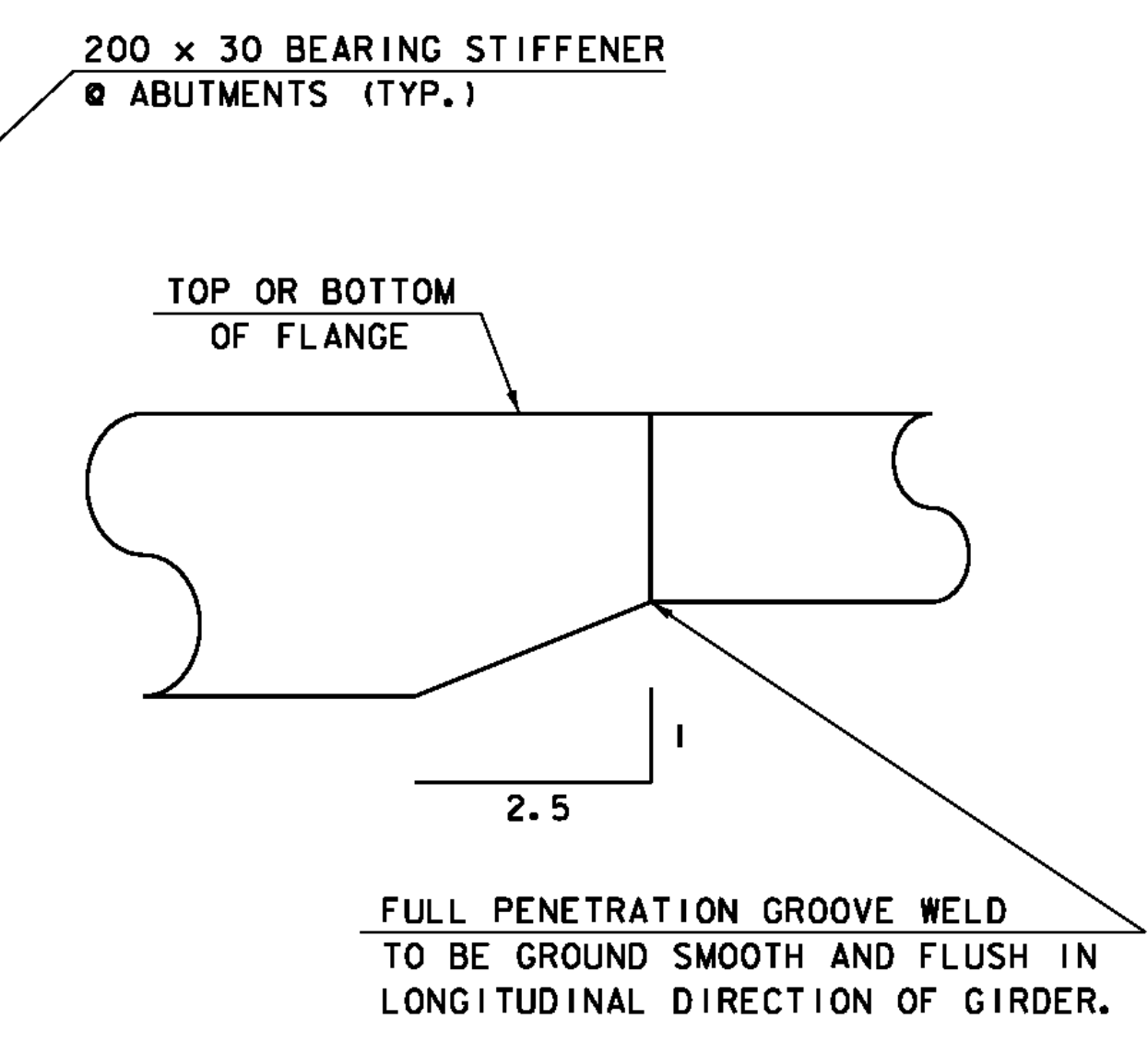


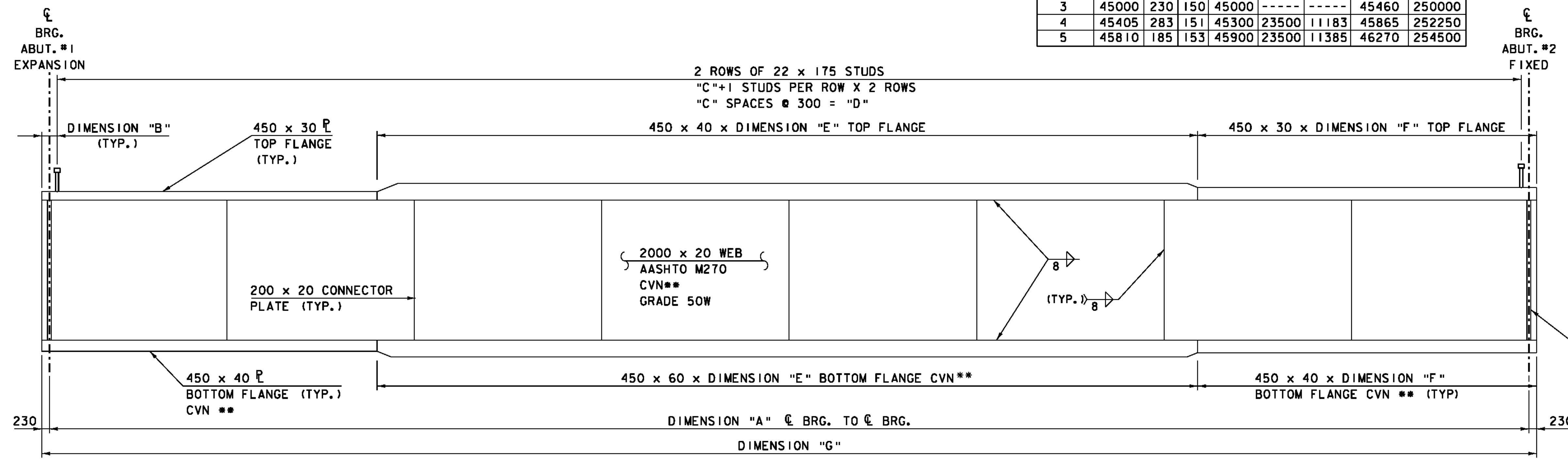
GIRDERS 1, 2, & 3: ELEVATION
 SCALE: HORIZ: 1:80
 VERT: 1:40

GIRDER NUMBER	"A"	"B"	"C"	"D"	"E"	"F"	"G"	RADIUS
1	44190	275	147	44100	-----	-----	44650	245500
2	44595	178	149	44700	-----	-----	45055	247750
3	45000	230	150	45000	-----	-----	45460	250000
4	45405	283	151	45300	23500	11183	45865	252250
5	45810	185	153	45900	23500	11385	46270	254500

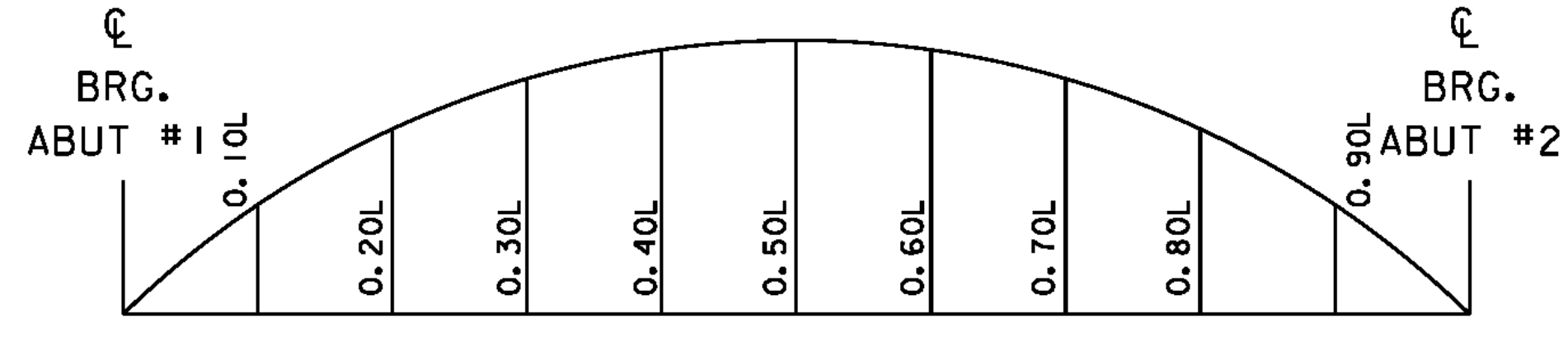


FLANGE BUTT SPLICE DETAIL
 NOT TO SCALE

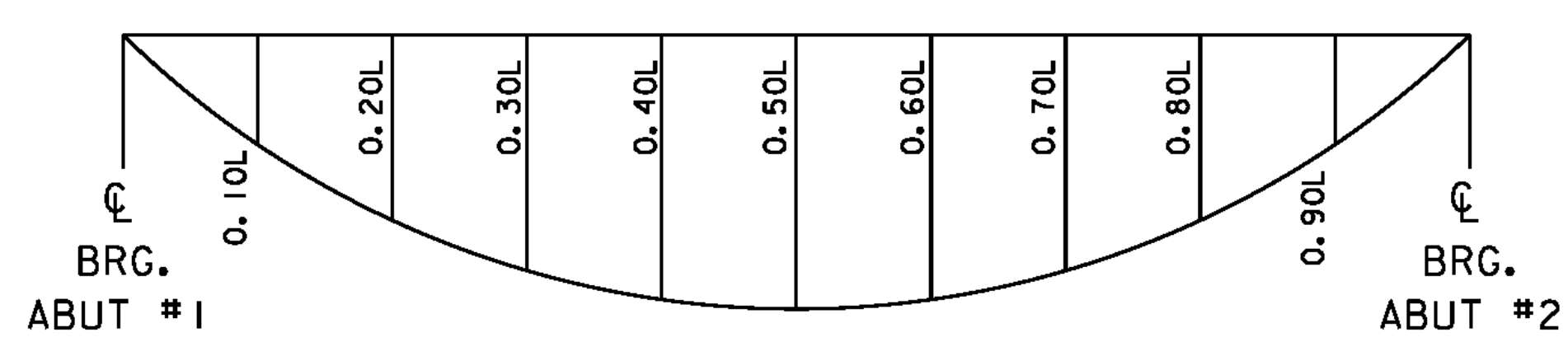
- NOTES:
1. DIMENSIONS SHOWN ARE ALONG THE ARC OF THE ϕ OF THE GIRDER.
 2. ENDS OF THE GIRDERS SHALL BE FABRICATED SO THAT THEY WILL BE PLUMB UNDER FULL DEAD LOAD.
 3. BEARING STIFFENERS SHALL BE PLUMB AND PERPENDICULAR TO THE WEB IN THEIR FINAL CONDITION.
 4. ** DENOTES THAT CHARPY V-NOTCH TESTING IS REQUIRED.
 5. THE FABRICATOR CAN EXTEND THE THICKER PLATE ON THE TOP FLANGE, BUT WILL NOT BE COMPENSATED FOR MATERIAL IN EXCESS OF SHOWN DESIGN.



GIRDERS 4, & 5: ELEVATION
 SCALE: HORIZ: 1:80
 VERT: 1:40



CAMBER DIAGRAM
 SEE TABLES AT RIGHT



DEAD LOAD DEFLECTION DIAGRAM
 SEE TABLES AT RIGHT

GIRDER 1	.10L	.20L	.30L	.40L	.50L	.60L	.70L	.80L	.90L
STEEL DEFLECTION	-7	-14	-19	-22	-23	-22	-19	-14	-8
SLAB & SUPER DEFLECTION	-22	-41	-56	-66	-69	-66	-56	-41	-22
TOTAL DEFLECTION	-29	-55	-75	-88	-92	-88	-75	-55	-29
RESIDUAL CAMBER	18	32	42	48	50	48	42	32	18
TOTAL CAMBER	47	87	117	136	142	136	117	87	47

GIRDER 4	.10L	.20L	.30L	.40L	.50L	.60L	.70L	.80L	.90L
STEEL DEFLECTION	-13	-24	-33	-39	-40	-39	-33	-24	-13
SLAB & SUPER DEFLECTION	-33	-61	-82	-96	-100	-96	-82	-61	-33
TOTAL DEFLECTION	-46	-85	-115	-134	-141	-134	-115	-85	-46
RESIDUAL CAMBER	18	32	42	48	50	48	42	32	18
TOTAL CAMBER	64	117	157	182	191	182	157	117	64

GIRDER 2	.10L	.20L	.30L	.40L	.50L	.60L	.70L	.80L	.90L
STEEL DEFLECTION	-9	-17	-24	-28	-29	-28	-24	-17	-9
SLAB & SUPER DEFLECTION	-25	-48	-65	-76	-80	-76	-65	-48	-25
TOTAL DEFLECTION	-34	-65	-89	-104	-109	-104	-89	-65	-34
RESIDUAL CAMBER	18	32	42	48	50	48	42	32	18
TOTAL CAMBER	52	97	131	152	159	152	131	97	52

GIRDER 5	.10L	.20L	.30L	.40L	.50L	.60L	.70L	.80L	.90L
STEEL DEFLECTION	-15	-28	-38	-44	-46	-44	-38	-28	-15
SLAB & SUPER DEFLECTION	-36	-68	-91	-106	-111	-106	-91	-68	-36
TOTAL DEFLECTION	-51	-96	-129	-150	-158	-150	-129	-96	-51
RESIDUAL CAMBER	18	32	42	48	50	48	42	32	18
TOTAL CAMBER	69	128	171	198	208	198	171	128	69

GIRDER 3	.10L	.20L	.30L	.40L	.50L	.60L	.70L	.80L	.90L
STEEL DEFLECTION	-11	-21	-28	-33	-35	-33	-28	-21	-11
SLAB & SUPER DEFLECTION	-29	-54	-74	-86	-90	-86	-74	-54	-29
TOTAL DEFLECTION	-40	-75	-102	-119	-125	-119	-102	-75	-40
RESIDUAL CAMBER	18	32	42	48	50	48	42	32	18
TOTAL CAMBER	58	107	144	167	175	167	144	107	58

PROJECT: STOCKBRIDGE	PROJECT NO.: BRF 022-1 (20)
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DESIGN FILE NAME: 85e039\Structures\de039sup.dgn
 IPARM FILE NAME: de039gd.t.i
 DESIGNED BY: R. S. YOUNG
 SQUAD LEADER: C. P. WILLIAMS
 GIRDER DETAILS

PLOT DATE: 08-APR-2010
 DRAWN BY: D. D. BEARD
 CHECKED BY: H. SALLS
 SHEET: 55 OF 139