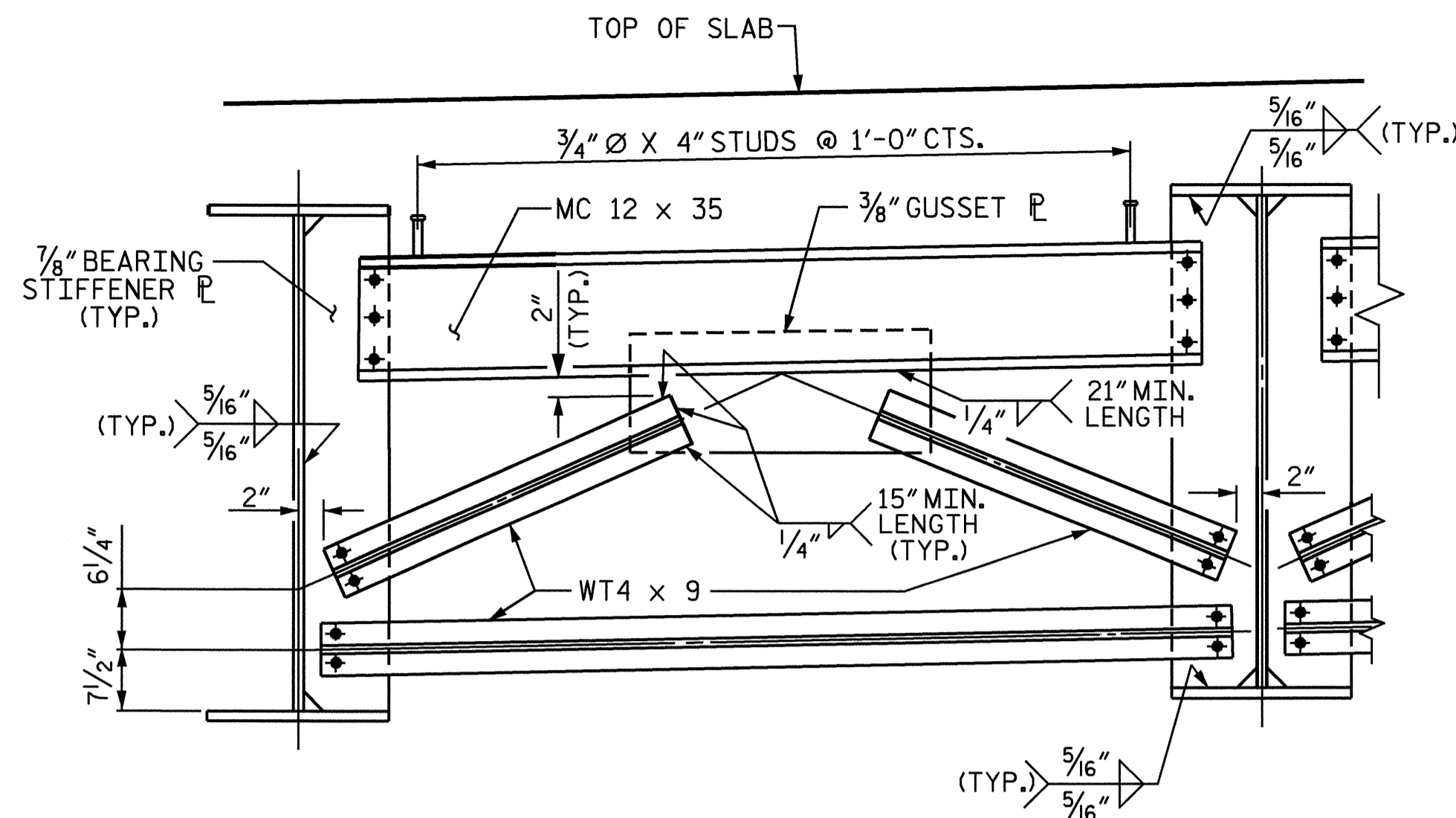
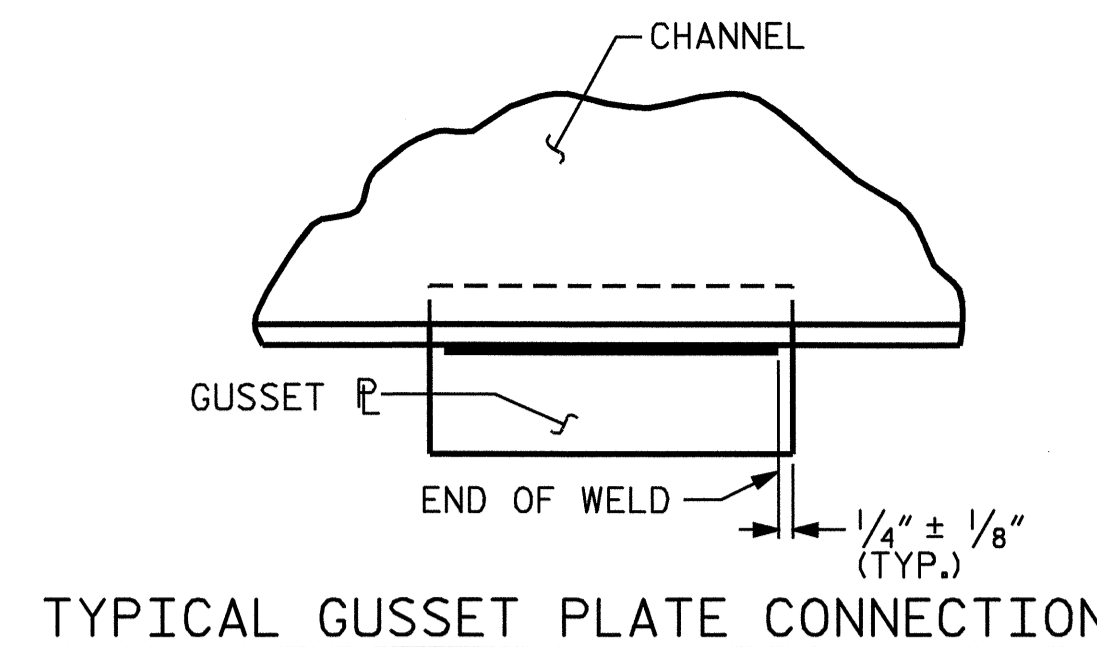


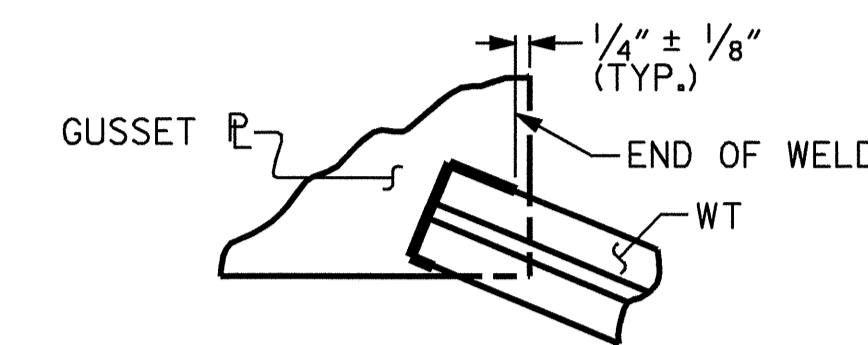
TYPICAL INTERMEDIATE DIAPHRAGM



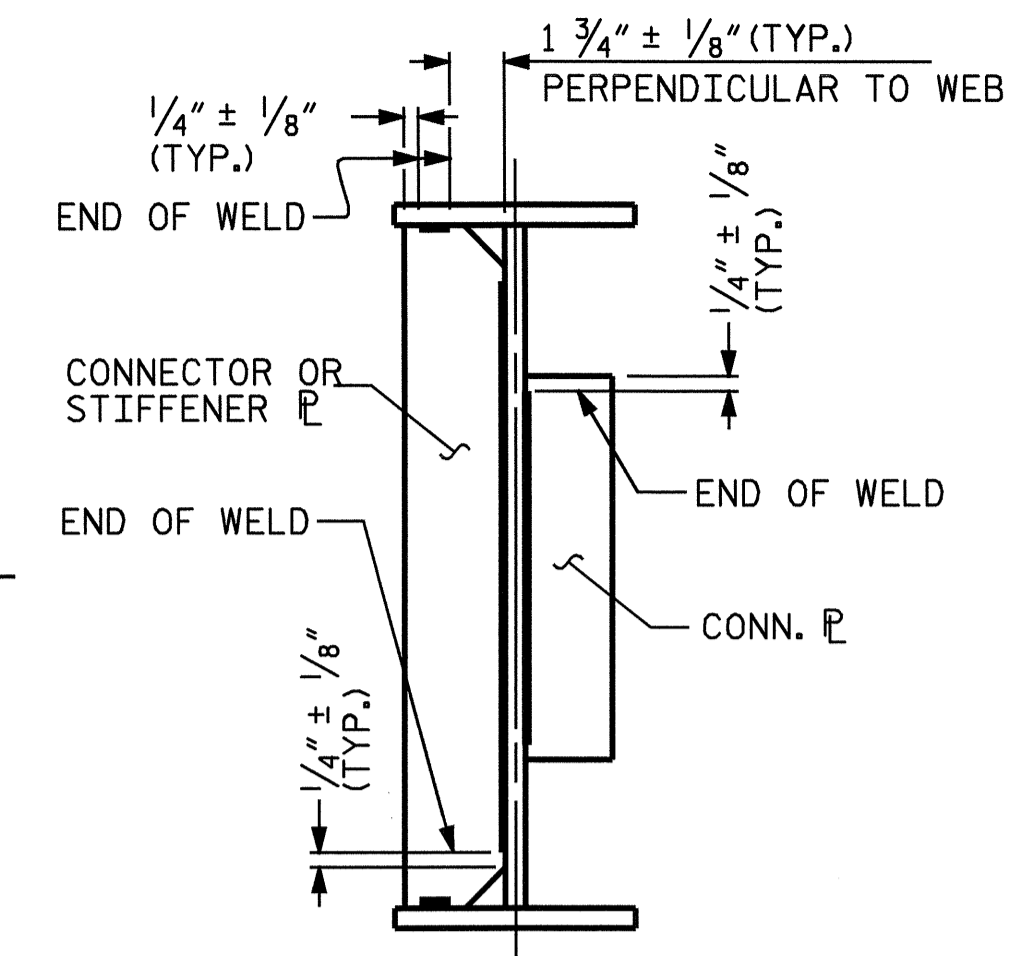
TYPICAL END BENT DIAPHRAGM



TYPICAL GUSSET PLATE CONNECTION



TYPICAL "TEE" TO GUSSET PLATE CONNECTION



TYPICAL STIFFENER OR CONNECTOR PLATE CONNECTIONS

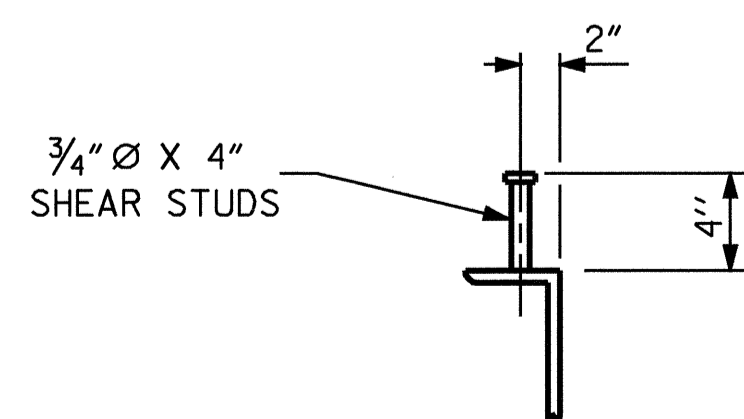
WELD TERMINATION DETAILS

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
TWENTIETH POINTS	SPAN A																				
	GIRDERS 2 THRU 5																				
	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0	0.024	0.047	0.069	0.089	0.107	0.122	0.134	0.143	0.149	0.150	0.149	0.143	0.134	0.122	0.107	0.089	0.069	0.047	0.024	0
DEFLECTION DUE TO WEIGHT OF SLAB *	0	0.079	0.157	0.230	0.297	0.356	0.406	0.446	0.475	0.493	0.499	0.493	0.475	0.446	0.406	0.356	0.297	0.229	0.157	0.079	0
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0	0.007	0.013	0.019	0.024	0.029	0.033	0.036	0.039	0.040	0.041	0.040	0.039	0.036	0.033	0.029	0.024	0.019	0.013	0.007	0
TOTAL DEAD LOAD DEFLECTION	0	0.110	0.217	0.318	0.410	0.492	0.561	0.616	0.657	0.682	0.690	0.682	0.657	0.616	0.561	0.492	0.410	0.317	0.217	0.110	0
VERTICAL CURVE ORDINATE	0	0.008	0.016	0.022	0.028	0.033	0.036	0.039	0.042	0.043	0.043	0.043	0.042	0.039	0.036	0.033	0.028	0.022	0.016	0.008	0
REQUIRED CAMBER	0	1 1/16"	2 3/16"	4 1/16"	5 1/4"	6 5/16"	7 3/16"	7 7/8"	8 3/8"	8 11/16"	8 13/16"	8 11/16"	8 3/8"	7 7/8"	7 3/16"	6 5/16"	5 1/4"	4 1/16"	2 3/16"	1 1/16"	0

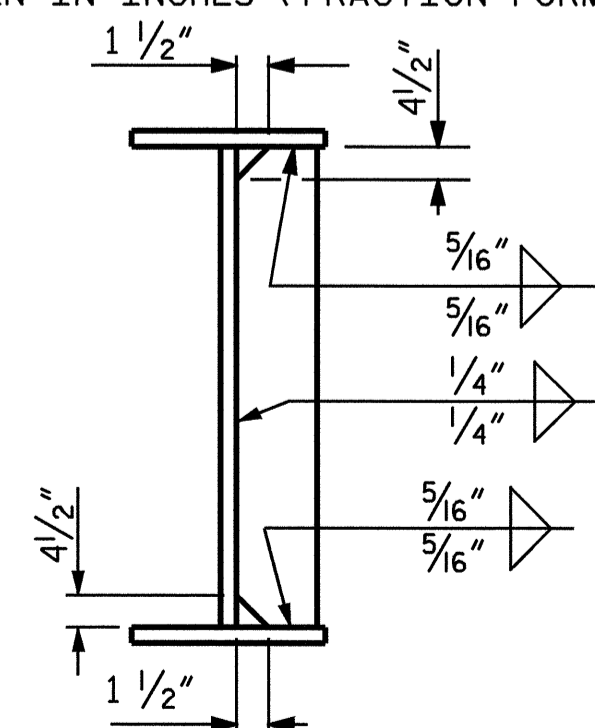
* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS. ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT "REQUIRED CAMBER", WHICH IS GIVEN IN INCHES (FRACTION FORM).

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
TWENTIETH POINTS	SPAN A																				
	GIRDERS 1 AND 6																				
	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0	0.024	0.047	0.069	0.089	0.107	0.122	0.134	0.143	0.149	0.150	0.149	0.143	0.134	0.122	0.107	0.089	0.069	0.047	0.024	0
DEFLECTION DUE TO WEIGHT OF SLAB *	0	0.073	0.146	0.213	0.275	0.329	0.376	0.414	0.440	0.457	0.463	0.457	0.440	0.414	0.376	0.329	0.275	0.213	0.146	0.073	0
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0	0.007	0.013	0.019	0.025	0.030	0.034	0.037	0.040	0.041	0.042	0.041	0.040	0.037	0.034	0.030	0.025	0.019	0.013	0.007	0
TOTAL DEAD LOAD DEFLECTION	0	0.104	0.206	0.301	0.389	0.466	0.532	0.585	0.623	0.647	0.655	0.647	0.623	0.585	0.532	0.466	0.389	0.301	0.206	0.104	0
VERTICAL CURVE ORDINATE	0	0.008	0.016	0.022	0.028	0.033	0.036	0.039	0.042	0.043	0.043	0.043	0.042	0.039	0.036	0.033	0.028	0.022	0.016	0.008	0
REQUIRED CAMBER	0	1 3/8"	2 11/16"	3 7/8"	5"	6"	6 13/16"	7 1/2"	8"	8 1/4"	8 3/8"	8 1/4"	8"	7 1/2"	6 13/16"	6"	5"	3 7/8"	2 11/16"	1 3/8"	0

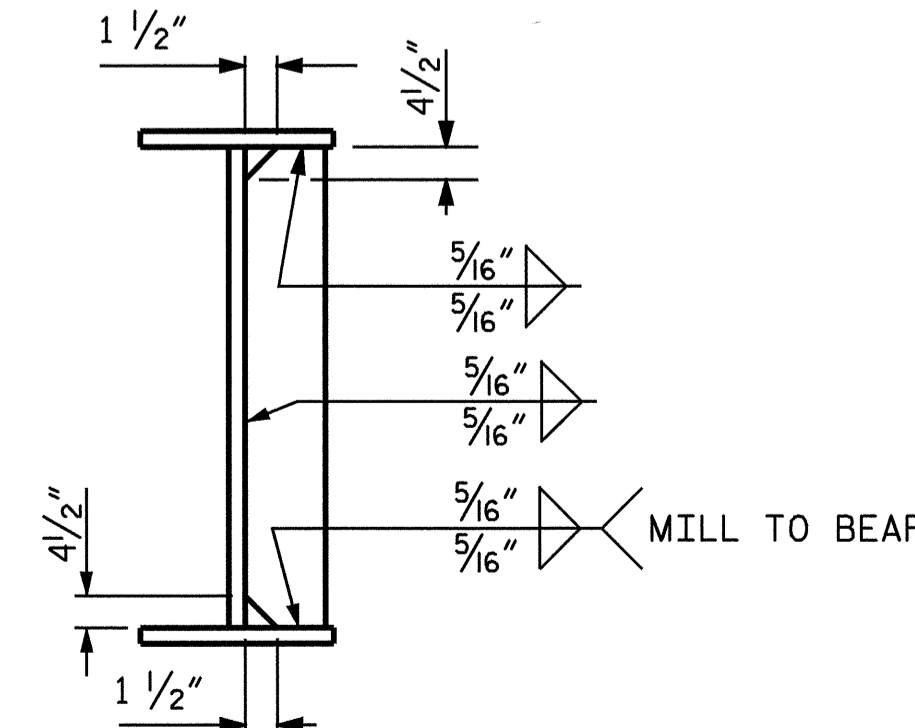
* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS. ALL VALUES ARE SHOWN IN FEET (DECIMAL FORM), EXCEPT "REQUIRED CAMBER", WHICH IS GIVEN IN INCHES (FRACTION FORM).



SHEAR STUD DETAIL (TYP. EA. END BENT DIAPHRAGM)



CONNECTOR PLATE



BEARING STIFFENER

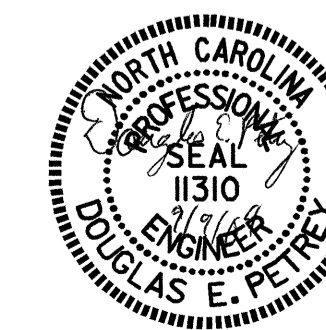
DRAWN BY: A.R.CHESSON DATE: 3-04
CHECKED BY: B.N.GRADY DATE: 4-04

08-SEP-2004 16:14 W:\squad\2417BB\achesson\Microstation\R2417BBSTR*2\R2417BB_SD_SS_02.DGN achesson

PROJECT NO. R-2417BB
LEE COUNTY
STATION: 565+49.40 -L-

SHEET 2 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUPERSTRUCTURE
STRUCTURAL STEEL
DETAILS
LEFT LANE



REVISIONS						SHEET NO. S-40
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 78
2			4			