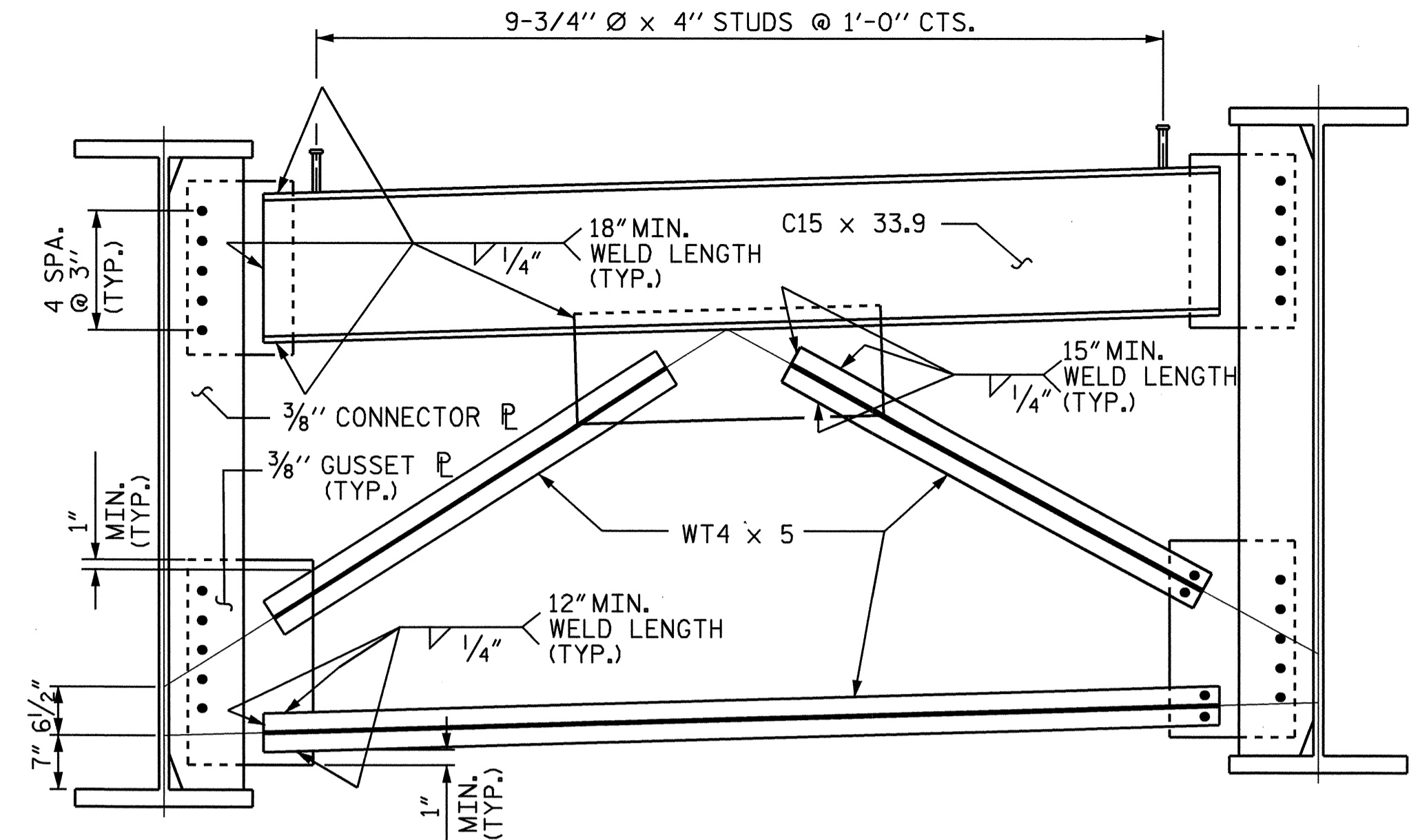
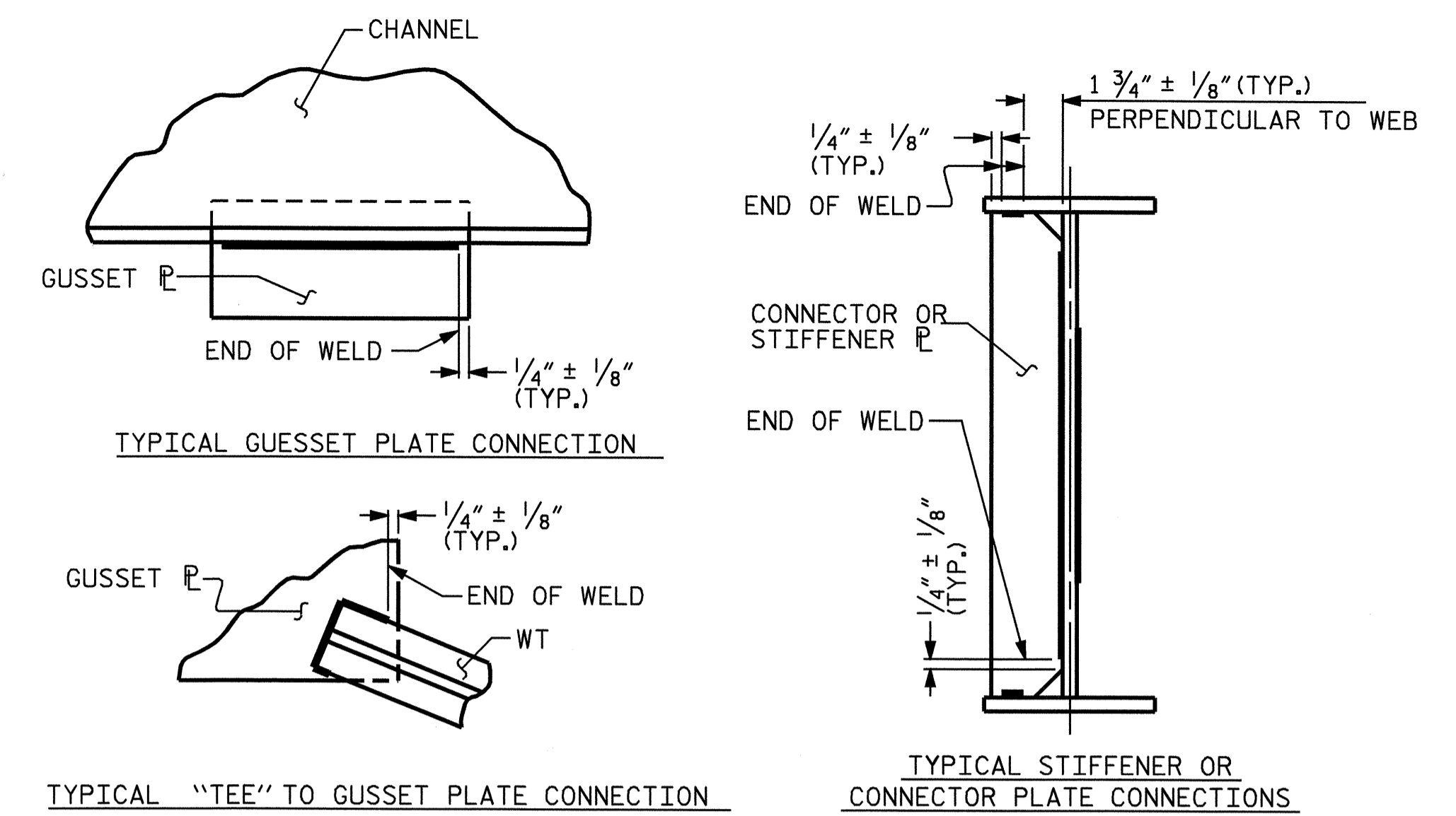


TYPICAL INTERMEDIATE DIAPHRAGM



TYPICAL END BENT DIAPHRAGM



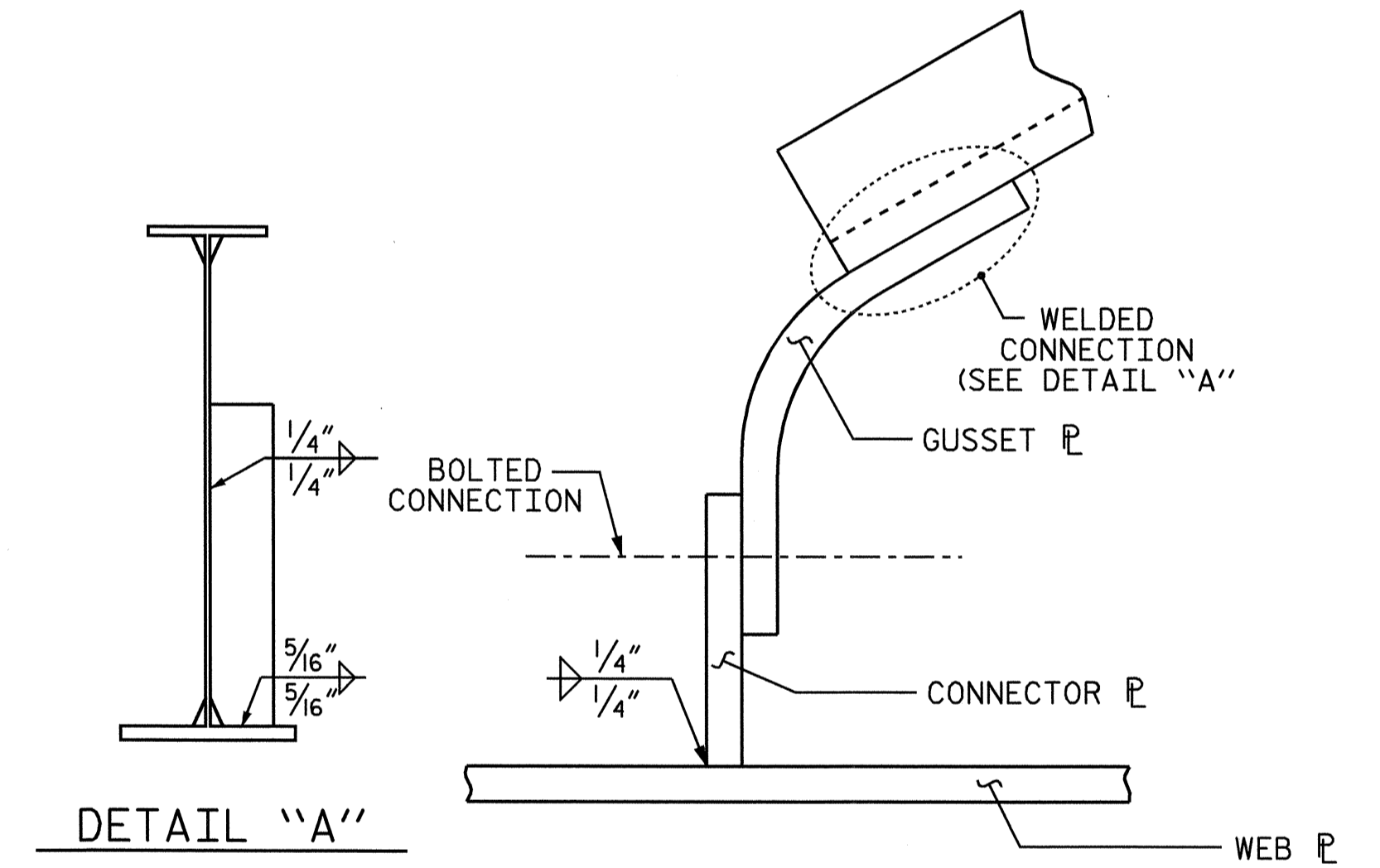
WELD TERMINATION DETAILS

DEAD LOAD DEFLECTION TABLE FOR GIRDERS																					
TENTH POINTS	SPAN A																				
	GIRDERS A2 THRU A4																				
	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0	0.026	0.051	0.074	0.095	0.113	0.129	0.141	0.150	0.156	0.157	0.156	0.150	0.141	0.129	0.113	0.095	0.074	0.051	0.026	0
* DEFLECTION DUE TO WEIGHT OF SLAB	0	0.070	0.137	0.199	0.256	0.305	0.346	0.379	0.404	0.418	0.423	0.418	0.404	0.379	0.346	0.305	0.256	0.199	0.137	0.070	0
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0	0.006	0.012	0.017	0.022	0.026	0.029	0.032	0.034	0.035	0.036	0.035	0.034	0.032	0.029	0.026	0.022	0.017	0.012	0.006	0
TOTAL DEAD LOAD DEFLECTION	0	0.101	0.199	0.290	0.372	0.444	0.504	0.553	0.588	0.609	0.616	0.609	0.588	0.553	0.504	0.444	0.372	0.290	0.199	0.101	0
REQUIRED CAMBER	0	1 3/16"	2 3/8"	3 1/2"	4 1/2"	5 5/16"	6 1/16"	6 5/8"	7 1/16"	7 5/16"	7 3/8"	7 5/16"	7 1/16"	6 5/8"	6 1/16"	5 5/16"	4 1/2"	3 1/2"	2 3/8"	1 3/16"	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																					
TENTH POINTS	SPAN A																				
	GIRDERS A1 & A5																				
	0	.05	.1	.15	.2	.25	.3	.35	.4	.45	.5	.55	.6	.65	.7	.75	.8	.85	.9	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0	0.026	0.051	0.074	0.095	0.113	0.129	0.141	0.150	0.156	0.158	0.156	0.150	0.141	0.129	0.113	0.095	0.074	0.051	0.026	0
* DEFLECTION DUE TO WEIGHT OF SLAB	0	0.065	0.128	0.187	0.240	0.285	0.324	0.355	0.378	0.392	0.397	0.392	0.378	0.355	0.324	0.285	0.240	0.187	0.128	0.065	0
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0	0.006	0.012	0.017	0.022	0.026	0.030	0.033	0.035	0.036	0.037	0.036	0.035	0.033	0.030	0.026	0.022	0.017	0.012	0.006	0
TOTAL DEAD LOAD DEFLECTION	0	0.097	0.191	0.278	0.357	0.425	0.483	0.530	0.563	0.584	0.591	0.584	0.563	0.530	0.483	0.425	0.357	0.278	0.191	0.097	0
REQUIRED CAMBER	0	1 3/16"	2 5/16"	3 5/16"	4 5/16"	5 1/8"	5 13/16"	6 3/8"	6 3/4"	7"	7 1/16"	7"	6 3/4"	6 3/8"	5 13/16"	5 1/8"	4 5/16"	3 5/16"	2 5/16"	1 3/16"	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).



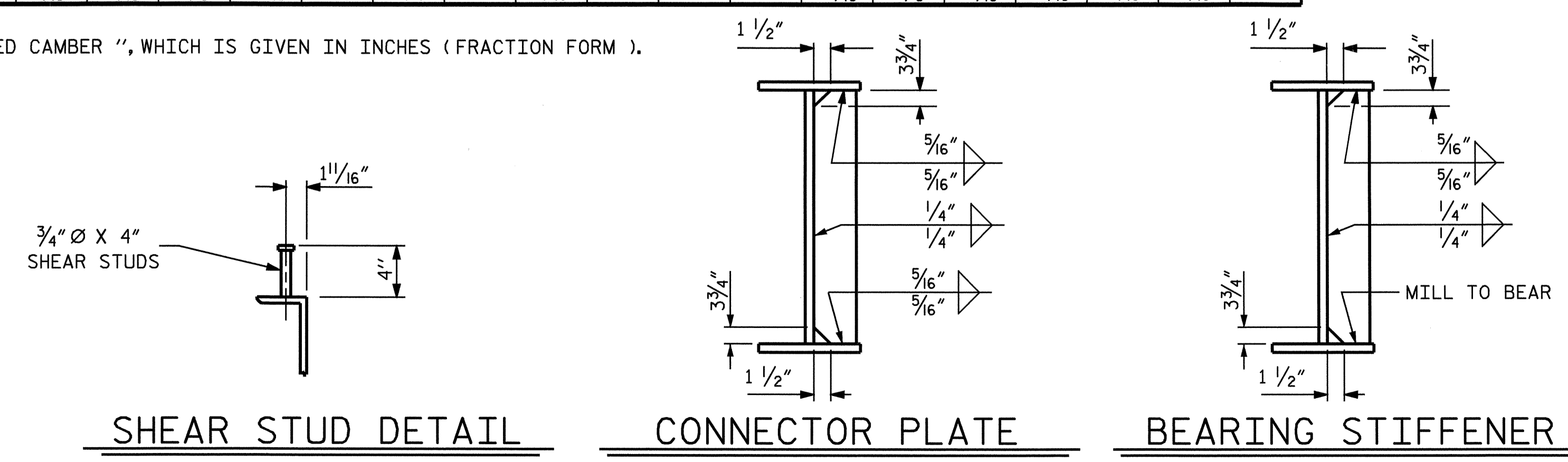
WELD DETAIL FOR CURVED GUSSET P

PROJECT NO. B-3419  
BURKE COUNTY  
 STATION: 20+15.00 -L-  
 SHEET 2 OF 3

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUPERSTRUCTRE  
 STRUCTURAL STEEL  
 DETAILS &  
 DEAD LOAD DEFLECTIONS



REVISIONS						TOTAL SHEETS
NO.	BY:	DATE:	NO.	BY:	DATE:	23
1			3			
2			4			



SHEAR STUD DETAIL      CONNECTOR PLATE      BEARING STIFFENER

DRAWN BY: A.R.CHESSON    DATE: 8-03  
 CHECKED BY: S.H.SOCKWELL    DATE: 9-10-03