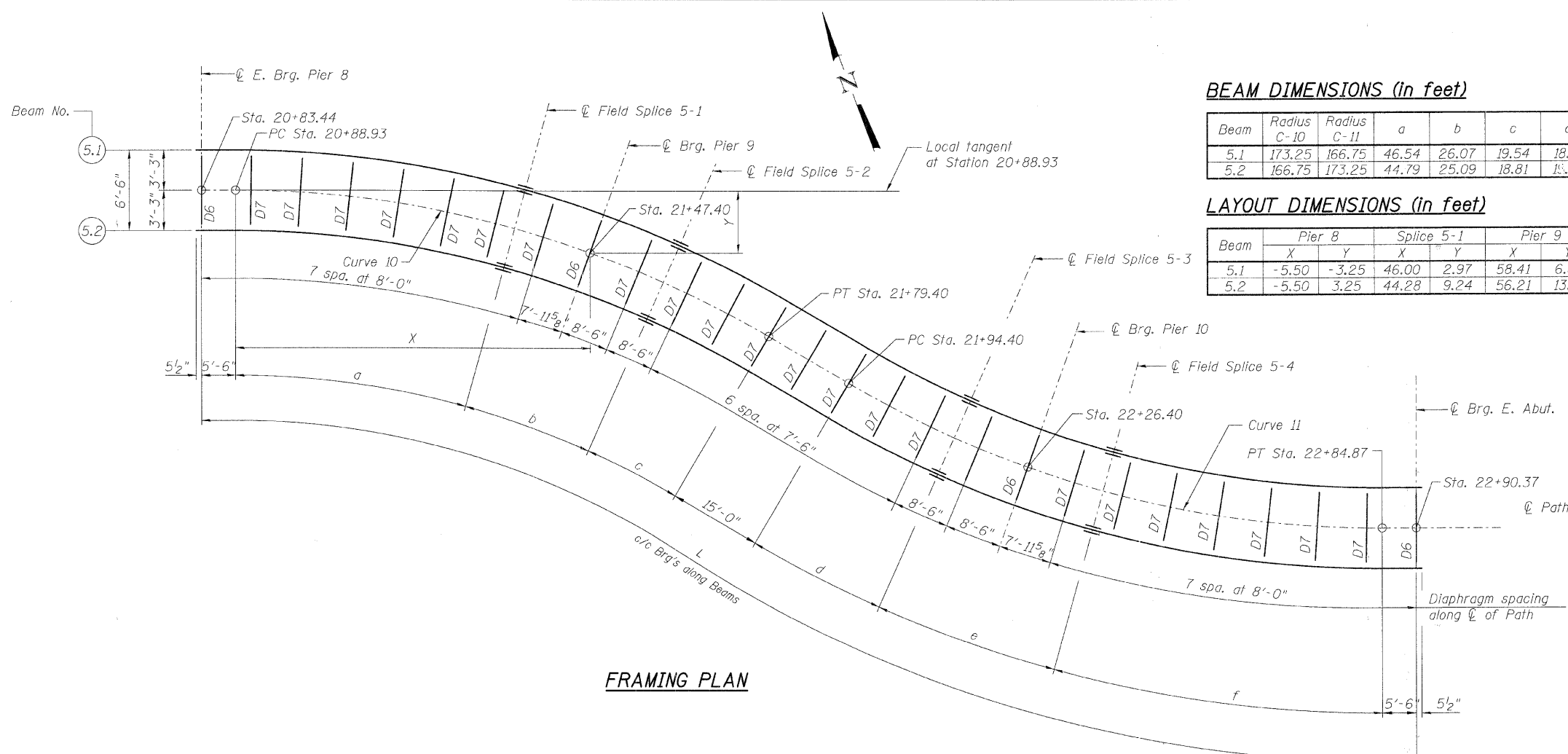


BEAM DIMENSIONS (in feet)

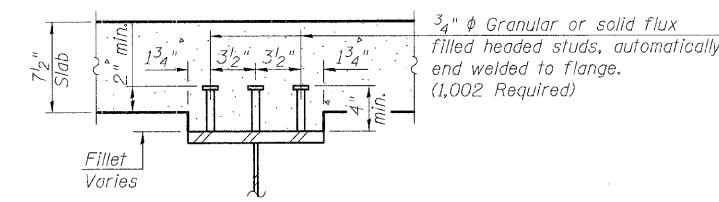
Beam	Radius C-10	Radius C-11	a	b	c	d	e	f	g	h	i	j	L
5.1	173.25	166.75	46.54	26.07	19.54	18.81	25.09	44.88	13.01	13.06	12.57	12.52	206.93
5.2	166.75	173.25	44.79	25.09	18.81	15.54	26.07	46.63	12.52	12.57	13.06	13.01	206.93

LAYOUT DIMENSIONS (in feet)

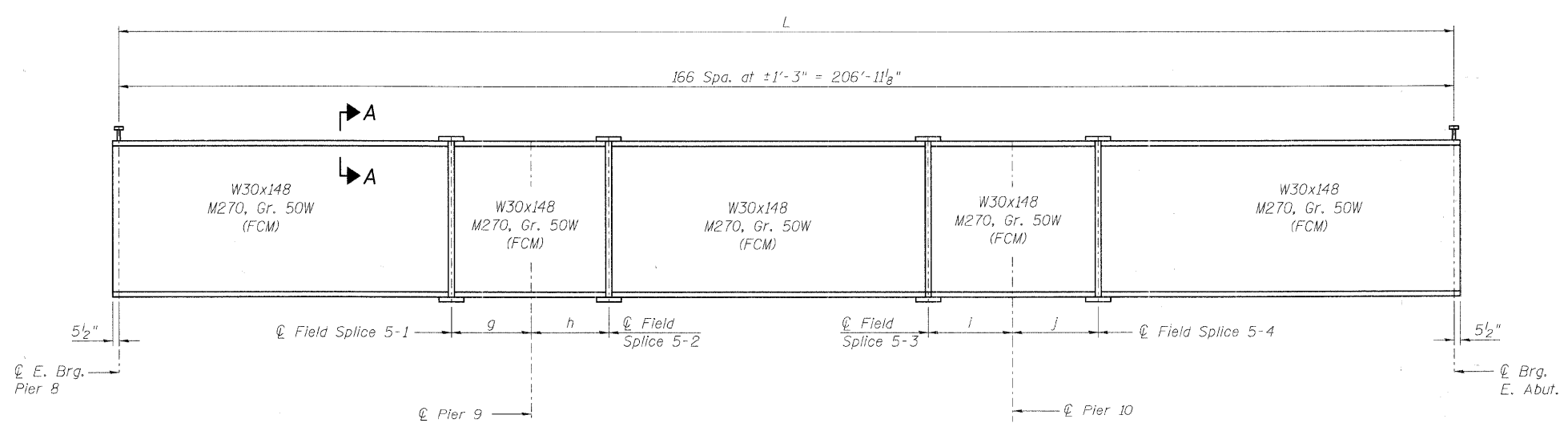
Beam	Pier 8		Splice 5-1		Pier 9		Splice 5-2		Splice 5-3		Pier 10		Splice 5-4		East Abutment	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
5.1	-5.50	-3.25	46.00	2.97	58.41	6.89	70.54	11.76	117.55	37.01	129.23	41.62	141.17	45.40	190.94	51.38
5.2	-5.50	3.25	44.28	9.24	56.21	13.01	67.89	17.70	114.91	42.87	127.04	47.74	139.44	51.66	190.94	57.88



FRAMING PLAN



SECTION A-A



TYPICAL ELEVATION

"FCM" Indicates Fracture Critical Member.

BILL OF MATERIAL

Item	Unit	Total
Stud Shear Connectors	Each	1,002

NOTES:

All Structural Steel shall be AASHTO M 270 Grade 50W.

DESIGNED	MJD
CHECKED	AEU
DRAWN	MJD
CHECKED	AEU

RH&A
 Robert H. Anderson & Associates, Inc.
 Consulting Engineers
 License No. 184-005281

STRUCTURAL STEEL UNIT 5
 PEDESTRIAN BRIDGE OVER RANDALL ROAD
 AT SILVER GLEN ROAD
 FAU 2505, SECTION 94-P4008-01-BR
 KANE COUNTY
 STRUCTURE NO. 045-9000
 DATE: OCTOBER 31, 2008