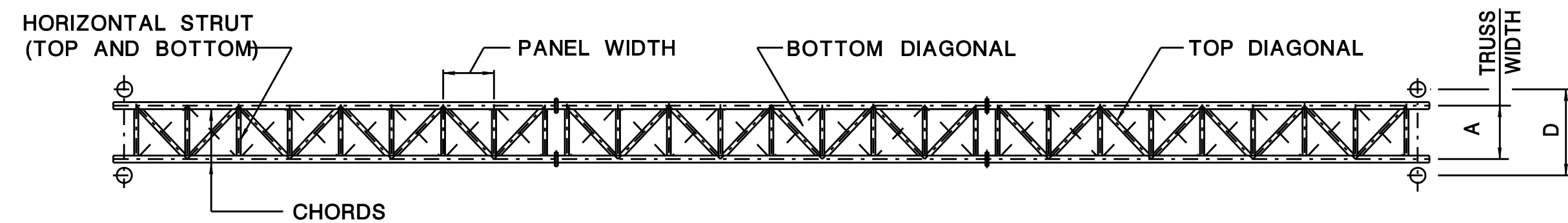


SPAN LENGTH (FT)	SIGN LENGTH (%)	TRUSS SIZE (WIDTH) x 4' (DEPTH)	TRUSS MEMBERS				TOWER MEMBERS						FOOTINGS			PEDESTALS						BARRIER PEDESTALS						TRUSS SIZE AXB	SIGN LENGTH (%)	SPAN LENGTH (FT)					
			CHORDS O.D.xTHICK (IN)	DIAGONALS O.D.xTHICK (IN)	STRUTS O.D.xTHICK (IN)	END STRUTS O.D.xTHICK (IN)	H = 25 FT		H = 30 FT		H = 40 FT		STRUTS O.D.xTHICK (IN)	H=25 FT	H=30 FT	H=40 FT	H=25 FT		H=30 FT		H=40 FT		H = 25 FT		H = 30 FT		H = 40 FT								
							SHAFT O.D.xTHICK (IN)	DIAGONAL O.D.xTHICK (IN)	SHAFT O.D.xTHICK (IN)	DIAGONAL O.D.xTHICK (IN)	SHAFT O.D.xTHICK (IN)	DIAGONAL O.D.xTHICK (IN)		FLxFW (FT)	FLxFW (FT)	FLxFW (FT)	PD (FT)	VERT REBAR\$ No. & SIZE	PD (FT)	VERT REBAR\$ No. & SIZE	PD (FT)	VERT REBAR\$ No. & SIZE	BLxBWT (FT)	VERT REBAR\$ No. & SIZE	BLxBWT (FT)	VERT REBAR\$ No. & SIZE	BLxBWT (FT)				VERT REBAR\$ No. & SIZE	BLxBWT (FT)	VERT REBAR\$ No. & SIZE		
40		40	3.500 x .216	2.875 x .203	2.875 x .203	3.500 x .216	10.750 x .365	3.500 x .300	10.750 x .365	3.500 x .300	12.750 x .375	3.500 x .300	12.750 x .375	3.500 x .300	12.750 x .375	3.500 x .300	15 x 7	16 x 7	16 x 8	3.00	10-#19	3.00	11-#19	3.25	12-#19	9 x 2.50	31-#13	9 x 2.50	31-#13	9 x 2.50	31-#13	40		40	
45		45	3.500 x .216	2.875 x .203	2.875 x .203	3.500 x .216	10.750 x .365	3.500 x .300	10.750 x .365	3.500 x .300	12.750 x .375	3.500 x .300	12.750 x .375	3.500 x .300	14.000 x .375	5.563 x .258	3.500 x .300	15 x 7	16 x 8	18 x 8	3.00	9-#22	3.25	13-#19	3.25	14-#19	9 x 2.50	31-#13	9 x 2.50	23-#16	9 x 2.50	26-#16	60		45
60		60	3.500 x .216	2.875 x .203	2.875 x .203	3.500 x .216	10.750 x .365	3.500 x .300	10.750 x .365	3.500 x .300	12.750 x .375	3.500 x .300	12.750 x .375	3.500 x .300	14.000 x .375	5.563 x .258	3.500 x .300	16 x 7	16 x 8	19 x 8	3.00	9-#22	3.25	13-#19	3.50	11-#22	9 x 2.50	23-#16	9 x 2.50	26-#16	10 x 2.75	28-#16	70		45
80		80	3.500 x .216	2.875 x .203	2.875 x .203	3.500 x .216	10.750 x .365	3.500 x .300	10.750 x .365	3.500 x .300	12.750 x .375	3.500 x .300	14.000 x .375	5.563 x .258	3.500 x .300	3.500 x .300	16 x 8	18 x 8	19 x 8	3.00	10-#22	3.25	10-#22	3.50	11-#22	9 x 2.50	23-#16	9 x 2.50	26-#16	10 x 2.75	28-#16	80		45	
40		55	3.500 x .216	2.875 x .203	2.875 x .203	3.500 x .216	10.750 x .365	3.500 x .300	10.750 x .365	3.500 x .300	12.750 x .375	3.500 x .300	12.750 x .375	3.500 x .300	14.000 x .375	5.563 x .258	3.500 x .300	15 x 7	16 x 7	16 x 8	3.00	11-#19	3.00	12-#19	3.25	13-#19	9 x 2.50	31-#13	9 x 2.50	31-#13	9 x 2.50	24-#16	40		55
60		60	3.500 x .216	2.875 x .203	2.875 x .203	3.500 x .216	10.750 x .365	3.500 x .300	10.750 x .365	3.500 x .300	12.750 x .375	3.500 x .300	14.000 x .375	5.563 x .258	3.500 x .300	3.500 x .300	16 x 7	18 x 8	19 x 8	3.00	9-#22	3.25	10-#22	3.50	11-#22	9 x 2.50	23-#16	9 x 2.50	26-#16	10 x 2.75	28-#16	60		55	
70		70	3.500 x .216	2.875 x .203	2.875 x .203	3.500 x .216	10.750 x .365	3.500 x .300	10.750 x .365	3.500 x .300	12.750 x .375	3.500 x .300	14.000 x .375	5.563 x .258	3.500 x .300	3.500 x .300	16 x 8	18 x 8	19 x 9	3.00	10-#22	3.25	11-#22	3.50	12-#22	9 x 2.50	26-#16	9 x 2.50	29-#16	10 x 2.75	30-#16	70		55	
80		80	3.500 x .216	2.875 x .203	2.875 x .203	3.500 x .216	12.750 x .375	3.500 x .300	14.000 x .375	5.563 x .258	16.000 x .375	5.563 x .258	3.500 x .300	18 x 8	19 x 9	20 x 9	3.25	10-#22	3.50	11-#22	3.75	12-#22	3.75	12-#22	9 x 2.50	26-#16	10 x 2.75	29-#16	10 x 3.00	32-#16	80		55		
40		65	3.500 x .216	2.875 x .203	2.875 x .203	3.500 x .216	10.750 x .365	3.500 x .300	12.750 x .375	3.500 x .300	12.750 x .375	3.500 x .300	3.500 x .300	16 x 7	16 x 8	19 x 8	3.00	9-#22	3.25	9-#22	3.25	10-#22	3.25	10-#22	9 x 2.50	31-#13	9 x 2.50	35-#13	9 x 2.50	26-#16	40		65		
60		60	3.500 x .216	2.875 x .203	2.875 x .203	3.500 x .216	10.750 x .365	3.500 x .300	12.750 x .375	3.500 x .300	16.000 x .375	5.563 x .258	3.500 x .300	16 x 8	18 x 9	20 x 9	3.00	10-#22	3.25	11-#22	3.75	12-#22	3.75	12-#22	9 x 2.50	26-#16	9 x 2.50	29-#16	10 x 3.00	30-#16	60		65		
70		70	4.000 x .226	2.875 x .203	2.875 x .203	3.500 x .216	12.750 x .375	3.500 x .300	14.000 x .375	5.563 x .258	16.000 x .375	5.563 x .258	3.500 x .300	18 x 8	19 x 9	20 x 10	3.25	10-#22	3.50	11-#22	3.75	12-#22	3.75	12-#22	9 x 2.50	26-#16	10 x 2.75	30-#16	10 x 3.00	32-#16	70		65		
80		80	4.000 x .226	2.875 x .203	2.875 x .203	3.500 x .216	12.750 x .375	3.500 x .300	14.000 x .375	5.563 x .258	16.000 x .375	5.563 x .258	3.500 x .300	18 x 9	20 x 9	21 x 10	3.25	11-#22	3.50	12-#22	3.75	13-#22	3.75	13-#22	9 x 2.50	29-#16	10 x 2.75	30-#16	10 x 3.00	26-#19	80		65		
40		75	4.000 x .226	2.875 x .203	2.875 x .203	3.500 x .216	10.750 x .365	3.500 x .300	12.750 x .375	3.500 x .300	14.000 x .375	5.563 x .258	3.500 x .300	16 x 7	16 x 8	19 x 8	3.00	9-#22	3.25	10-#22	3.50	11-#22	3.50	11-#22	9 x 2.50	23-#16	9 x 2.50	23-#16	10 x 2.75	28-#16	40		75		
60		60	4.500 x .237	2.875 x .203	2.875 x .203	3.500 x .216	12.750 x .375	3.500 x .300	14.000 x .375	5.563 x .258	16.000 x .375	5.563 x .258	3.500 x .300	18 x 8	19 x 8	21 x 9	3.25	10-#22	3.50	11-#22	3.75	12-#22	3.75	12-#22	9 x 2.50	26-#16	10 x 2.75	30-#16	10 x 3.00	32-#16	60		75		
70		70	4.500 x .237	2.875 x .203	2.875 x .203	3.500 x .216	12.750 x .375	3.500 x .300	14.000 x .375	5.563 x .258	16.000 x .375	5.563 x .258	3.500 x .300	19 x 8	20 x 9	21 x 10	3.25	11-#22	3.50	12-#22	3.75	13-#22	3.75	13-#22	9 x 2.50	29-#16	10 x 2.75	32-#16	10 x 3.00	26-#19	70		75		
80		80	4.500 x .237	2.875 x .203	2.875 x .203	3.500 x .216	12.750 x .375	3.500 x .300	14.000 x .500	5.563 x .258	16.000 x .500	5.563 x .258	3.500 x .300	19 x 9	20 x 10	22 x 10	3.25	12-#22	3.50	10-#25	3.75	11-#25	3.75	11-#25	9 x 2.50	31-#16	10 x 2.75	32-#16	10 x 3.00	28-#19	80		75		

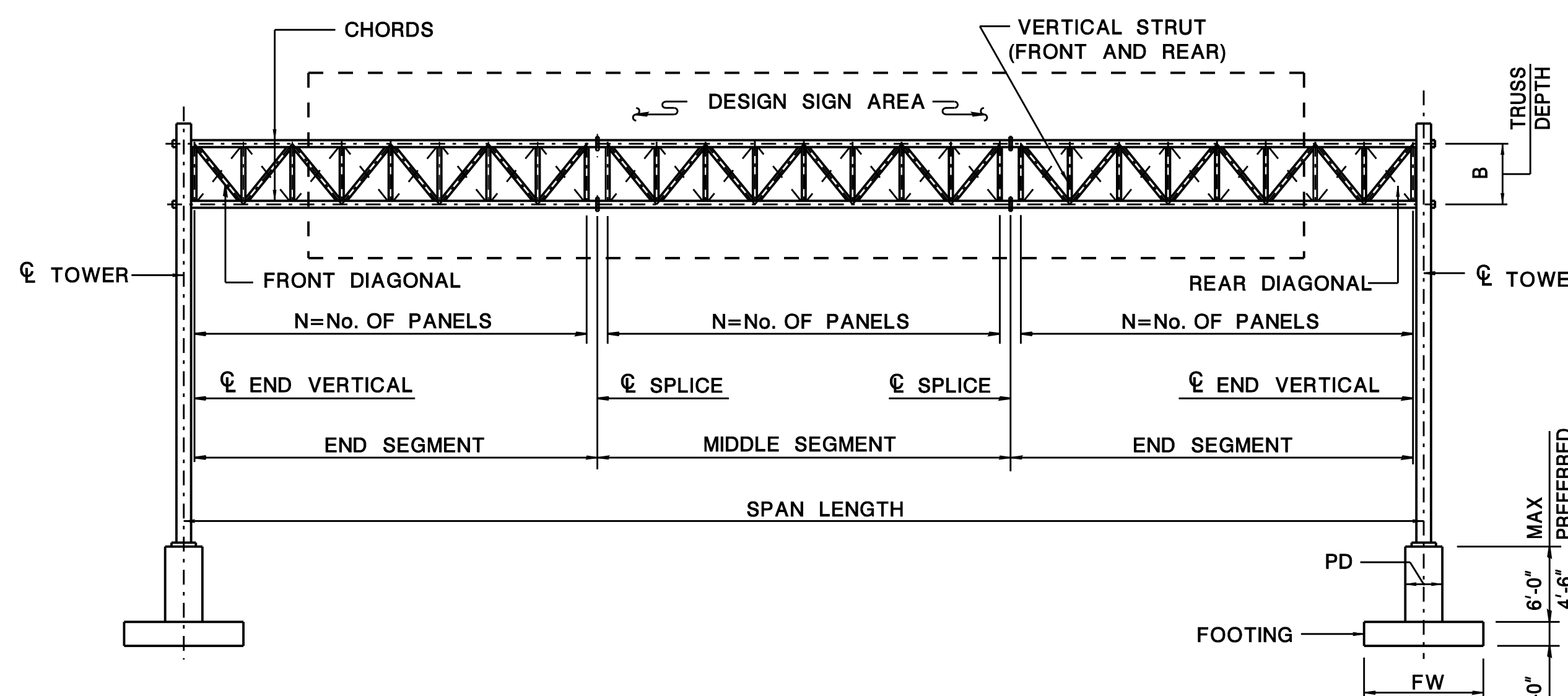
NOTES:

1. THE NUMBER OF SPLICES AND PANELS SHOWN IN THE TABLE ARE OPTIONAL. ONE OR MORE SPLICES IN THE TRUSS MAY BE ADDED OR ELIMINATED AT THE OPTION OF THE FABRICATOR. THE FABRICATOR MUST MAINTAIN A TRUSS UNIT LENGTH WHICH CAN BE GALVANIZED IN ONE PIECE. A MINIMUM OF ONE SPLICE IS REQUIRED FOR OBTAINING CAMBER.
2. END STRUTS ARE DEFINED AS THE TWO HORIZONTAL AND TWO VERTICAL STRUTS LOCATED IMMEDIATELY ADJACENT TO THE TOWERS (SEE DRG. OH-D5).

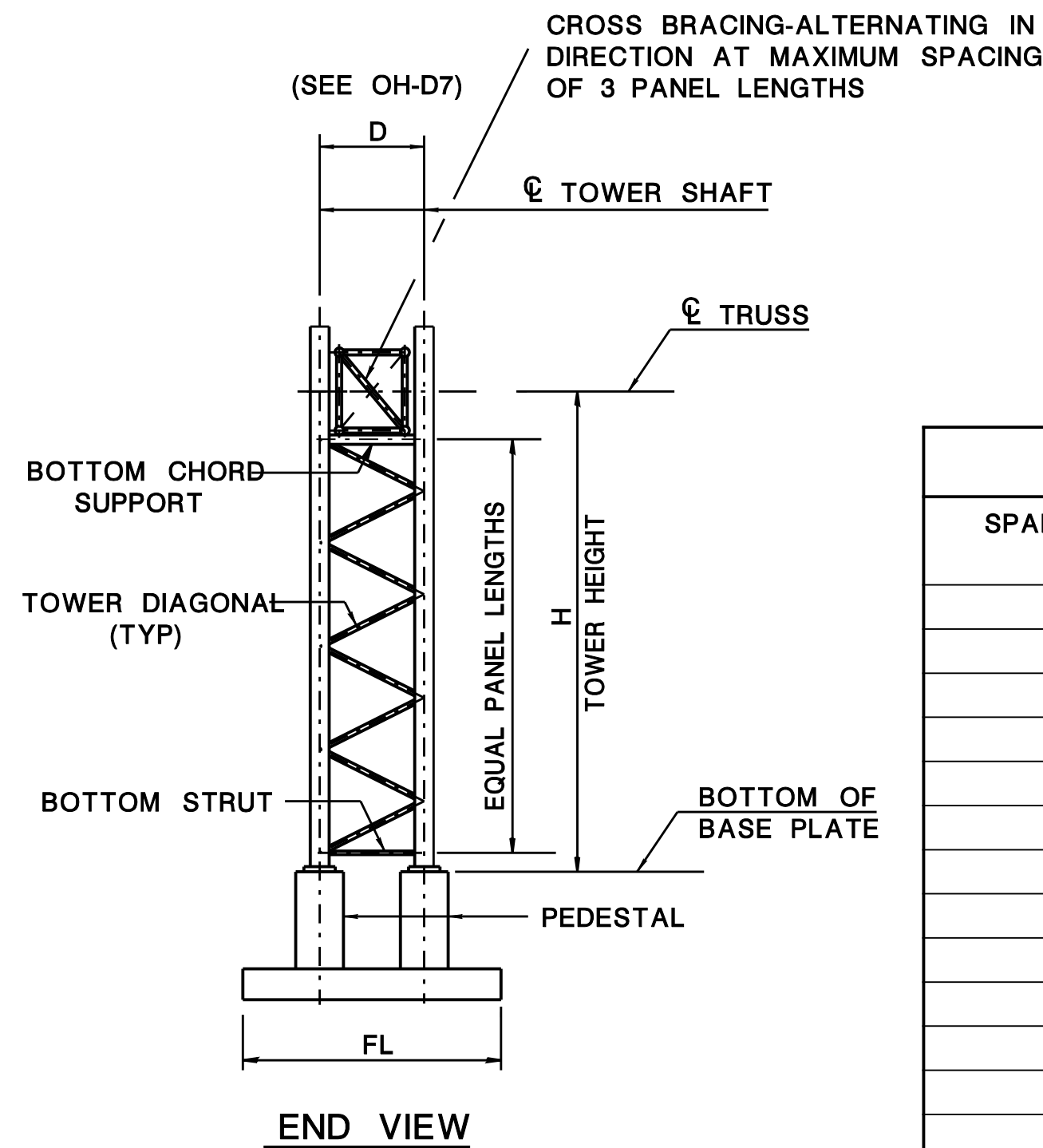
SUGGESTED STEEL TRUSS UNITS								ALTERNATIVE					
No. OF ACTUAL SPAN		DESIGN SPAN (FT)	No. OF SPLICES	No. OF SEGMENTS		No. OF PANELS		No. OF SPLICES	No. OF SEGMENTS		No. OF TOTAL PANELS		
FROM (FT)	TO (FT)			END	MIDDLE	EACH SEGMENT	TOTAL		MIN	MAX			
--	45	45	1	2	0	6	12	1	2	0	10	14	
45	55	55	1	2	0	7	14	1	2	0	12	18	
55	65	65	2	2	1	5	15	1	2	0	14	22	
65	75	75	2	2	1	6	18	1	2	0	16	24	
75	85	85	2	2	1	7	21	1	2	0	18	28	
85	95	95	3	2	2	6	24	2	2	1	20	30	
95	105	105	3	2	2	6	24	2	2	1	22	33	
105	115	115	3	2	2	7	28	2	2	1	25	37	
115	125	125	4	2	3	6	30	2	2	1	27	40	
125	135	135	4	2	3	6	30	2	2	1	29	43	
135	145	145	4	2	3	7	35	3	2	2	31	46	
145	155	155	5	2	4	6	36	3	2	2	33	49	
155	165	165	5	2	4	6	36	3	2	2	35	53	



PLAN



ELEVATION



END VIEW

CAMBER	
SPAN LENGTH (FT)	REQUIRED CAMBER (IN)
45	1 1/4
55	1 1/2
65	2
75	2 3/4
85	2 3/4
95	3
105	3 3/4
115	4 1/4
125	5 1/4
135	5 5/8
145	7
155	7 3/4
165	9

THIS PLATE FOR DESIGN INFORMATION ONLY. DO NOT INCLUDE IN CONTRACT PLANS.



SIGN STRUCTURE DRG. OH-G3

NEW JERSEY DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURAL ENGINEERING

**OVERHEAD SIGN SUPPORT STANDARDS
DESIGN TABLES**

**STEEL TRUSSES AND STEEL TOWERS
(SPAN LENGTH 45'-0" TO 75'-0")**

SCALE : NONE

3
6