

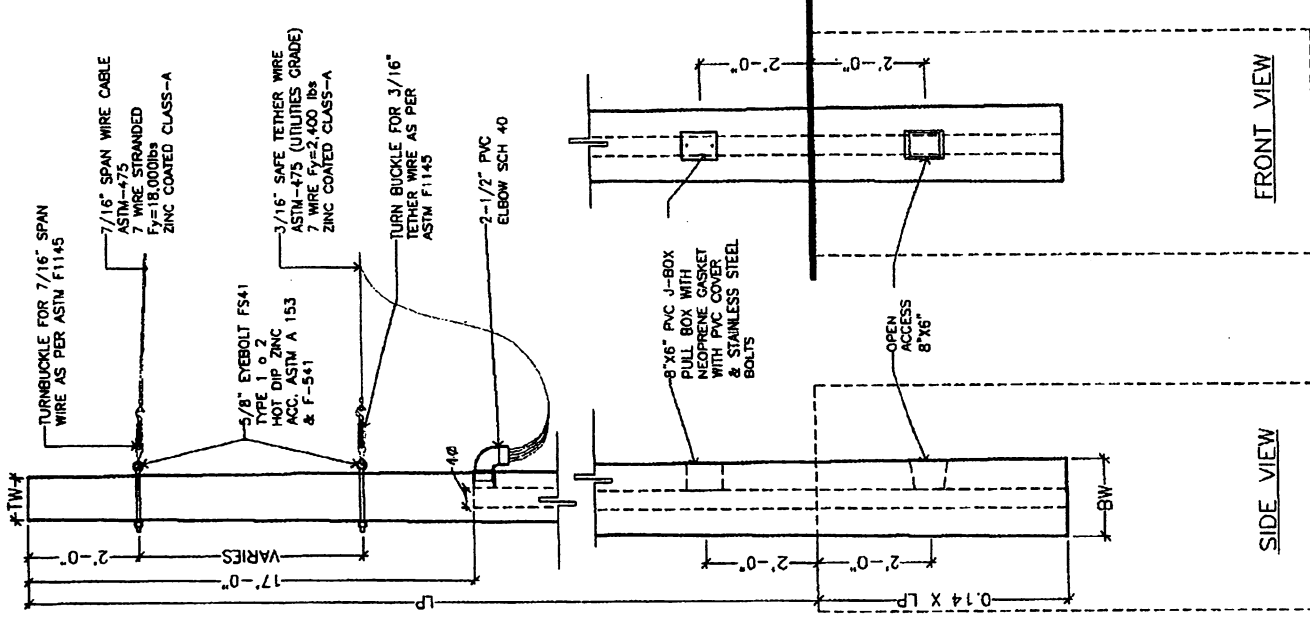
**METHOD: MAXIMUM MOMENT**

Diagonal Configuration Support Type	Maximum Support Height above finished grade (ft)	Maximum Span (ft)	Minimum Sag (ft)	Maximum # of three lens faces	Maximum # of five lens faces	(H x 1.14) POLES LENGTH	AVAILABLE SLOPE DIFFERENCE	L1 POLES CLASS	L2 POLES CLASS	L3 POLES CLASS	L4 POLES CLASS
S	45	40	3.0	4	4	51.3	14.1	50-S6	45-S6	40-S8	55-S6
W	55	40	3.0	4	4	62.7	23.9	65-S6	60-S6	55-S6	45-S6
2	45	60	4.5	8	4	51.3	12.6	50-S6	45-S6	40-S8	55-S6
0	55	60	4.5	8	4	62.7	22.4	65-S6	55-S6	60-S6	45-S6
0	45	80	6.0	8	4	51.3	11.1	50-S8	45-S10	55-S8	60-S8
55	80	80	6.0	8	4	62.7	20.9	65-S6	55-S8	50-S8	60-S8
100	45	100	7.5	8	8	51.3	9.6	50-S8	45-S10	55-S8	60-S8
55	55	100	7.5	8	8	62.7	19.4	65-S6	55-S8	50-S8	60-S8
45	115	115	9.0	12	8	51.3	8.1	50-S8	45-S10	55-S8	60-S8
55	130	130	10.0	12	8	62.7	17.9	65-S6	55-S8	50-S8	60-S8
100	45	140	10.5	12	8	51.3	7.1	50-S8	45-S10	55-S8	60-S8
55	140	140	10.5	12	8	62.7	16.4	65-S6	55-S8	50-S8	60-S8
150	45	150	11.5	12	8	51.3	5.6	55-S8	45-S10	50-S10	60-S8
55	150	150	11.5	12	8	62.7	15.4	65-S8	55-S8	50-S10	60-S8
180	45	180	13.5	12	8	51.3	3.6	55-S8	45-S10	50-S10	60-S8
55	180	180	13.5	12	8	62.7	13.4	65-S8	55-S8	50-S10	60-S8
200	45	200	15.0	12	8	51.3	2.1	55-S8	45-S10	50-S10	60-S8
55	200	200	15.0	12	8	62.7	11.9	65-S8	55-S8	50-S10	60-S8

**Square or Rectangular Configuration:**

Use this table for signal configuration with one (1), two (2) and three (3) sides

Support Type	Maximum Support Height above finished grade (ft)	Maximum Span (ft)	Minimum Sag (ft)	Maximum Number of three lens faces	Maximum Number of five lens faces	(H x 1.14) AVAILABLE SLOPE DIFFERENCE	L1 POLES CLASS	L2 POLES CLASS	L3 POLES CLASS	
S	45	40	3.0	1	1	51.3	14.1	50-S6	45-S6	40-S8
W	55	40	3.0	1	1	62.7	23.9	65-S6	60-S6	55-S6
2	45	60	4.5	2	1	51.3	12.6	50-S6	45-S6	40-S8
0	55	60	4.5	2	1	62.7	22.4	65-S6	55-S6	40-S8
0	45	80	6.0	2	1	51.3	11.1	50-S6	45-S6	40-S8
55	80	80	6.0	2	1	62.7	20.9	65-S6	60-S6	40-S8
100	45	100	7.5	2	2	51.3	9.6	50-S6	45-S6	40-S8
55	100	100	7.5	2	2	62.7	19.4	65-S6	55-S6	40-S8
150	45	115	9.0	3	2	51.3	8.1	50-S6	45-S6	40-S8
55	115	115	9.0	3	2	62.7	17.9	65-S6	55-S6	40-S8
180	45	130	10.0	3	2	51.3	7.1	50-S6	45-S6	40-S8
55	130	130	10.0	3	2	62.7	16.4	65-S6	55-S6	40-S8
200	45	140	11.0	3	2	51.3	6.1	50-S6	45-S6	40-S8
55	140	140	11.0	3	2	62.7	15.4	65-S6	55-S6	40-S8
250	45	150	11.5	4	2	51.3	5.6	50-S6	45-S6	40-S8
55	150	150	11.5	4	2	62.7	11.9	65-S6	55-S6	40-S8



MODEL	POLE LENGTH (LP)	TOP WIDTH (TW)	BOTTOM WIDTH (BW)
S6			
45-S6	45'-0"	9"	16.3"
50-S6	50'-0"	9"	17.1"
55-S6	55'-0"	9"	17.9"
60-S6	60'-0"	9"	18.7"
65-S6	65'-0"	9"	19.5"
S8			
40-S8	40'-0"	9"	15.5"
45-S8	45'-0"	9"	16.3"
50-S8	50'-0"	9"	17.1"
55-S8	55'-0"	9"	17.9"
60-S8	60'-0"	9"	18.7"
65-S8	65'-0"	9"	19.5"
S-10			
45-S10	45'-0"	11"	18.2"
50-S10	50'-0"	11"	19.1"
55-S10	55'-0"	11"	20.1"

LEGEND  
LP-POLE LENGTH  
BW-BOTTOM WIDTH  
TW-TOP WIDTH

EFFECTIVE DATE: DECEMBER 2000

COMMONWEALTH OF PUERTO RICO  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC WORKS  
HIGHWAY AND TRANSPORTATION AUTHORITY

TRAFFIC SIGNALS  
SPAN WIRE  
PRESTRESSED CONCRETE POLE  
MANUFACTURED BY  
ORNAMENTAL POLES, S.E.  
PR-855, KM. 1.0 RIO GRANDE, P.R.  
PO BOX 1518 HATO REY, P.R. 00818  
TEL (787) 867-2005

- NOTES:
1. F'c=7000psi FOR CONCRETE
  2. STRAND=270k SHALL COMPLY WITH F568, CLASS 4.6 SIMILAR TO CHANGE 485
  3. CABLE CLIPS SHALL COMPLY WITH CHANGE 485
  4. CABLE THIMBLE SIMILAR TO CHANGE MODEL-573 OR 6593
  5. FOR SELECTION OF PRE-CAST FOUNDATION SEE PRE-CAST POLE BASE SELECTION TABLE.

DATE	REVISION	BY	STD.	TRSI
			DWG	24E OF 40