

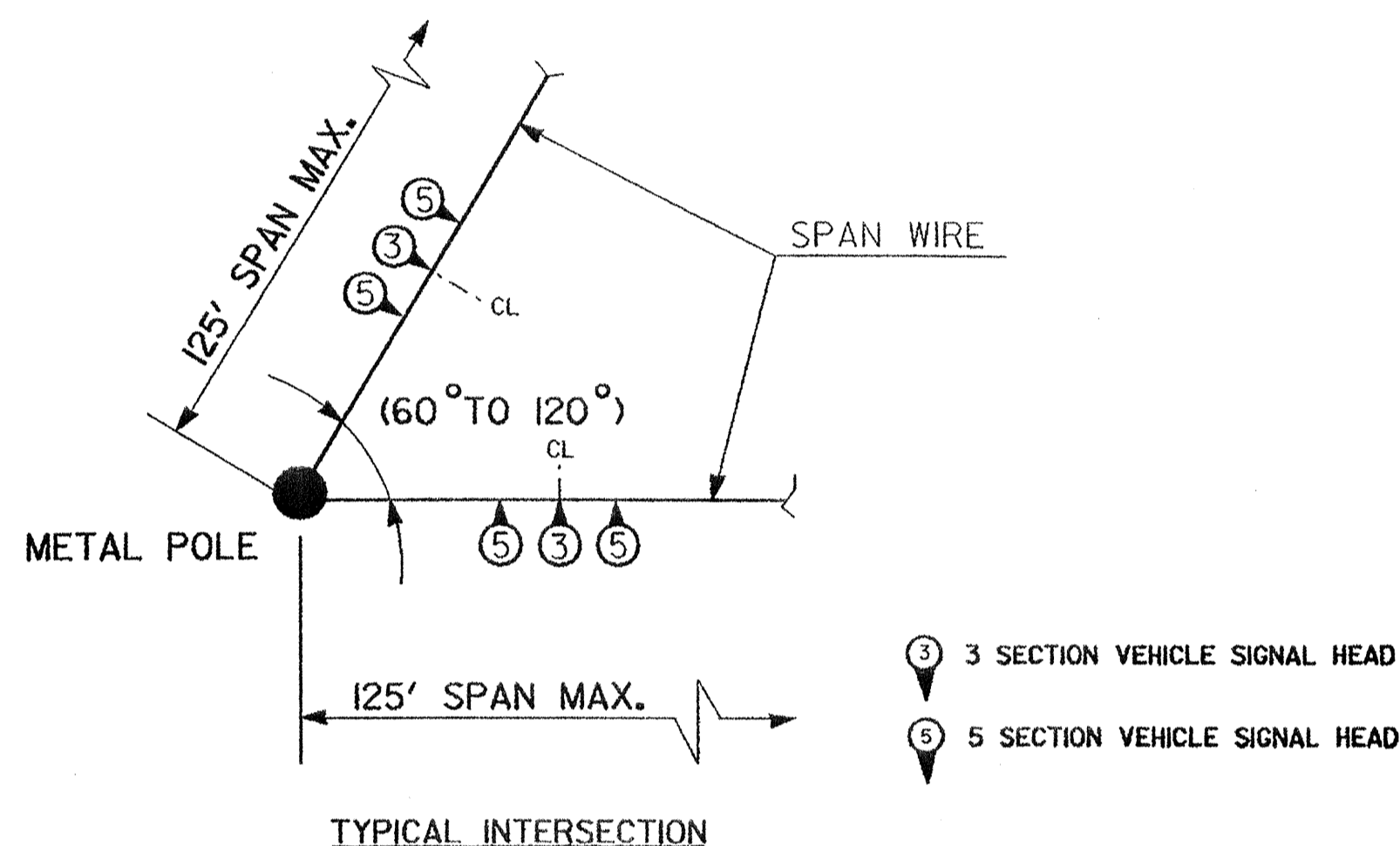
ZONE 3 (110 MPH)

LIGHT LOADING

(FOR ONE POLE AND ONE FOUNDATION)

CASE No.	POLE HEIGHT IN (FT.)	METAL POLE		BASE PLATES			ANCHOR BOLTS		CONCRETE FOOTING			REINFORCING BARS		
		WALL THICKNESS TH GAGE, (IN.)	BASE DIAMETER (IN.)	D (IN.)	BC (IN.)	T (IN.)	DIAMETER X TOTAL LENGTH (IN.)	DIAMETER d (IN.)	DEPTH L (FT.)	VOLUME (CU. YDS.)	BAR	NO.	SIZE	
S26L2	26	.5	14	29	23	2½	2 X 66	42	*	*	V	10	#8	
											CT	*	#4	
S30L2	30	.5	15	29	23	2½	2 X 66	42	*	*	V	10	#8	
											CT	*	#4	
S35L2	35	.5	16	29	23	2½	2 X 66	42	*	*	V	10	#8	
											CT	*	#4	

* SEE NOTE 23 AND 24 ON SHEET 2 OF THE STANDARD NOTES.



HEAVY LOADING

(FOR ONE POLE AND ONE FOUNDATION)

CASE No.	POLE HEIGHT IN (FT.)	METAL POLE		BASE PLATES			ANCHOR BOLTS		CONCRETE FOOTING			REINFORCING BARS		
		WALL THICKNESS TH GAGE, (IN.)	BASE DIAMETER (IN.)	D (IN.)	BC (IN.)	T (IN.)	DIAMETER X TOTAL LENGTH (IN.)	DIAMETER d (IN.)	DEPTH L (FT.)	VOLUME (CU. YDS.)	BAR	NO.	SIZE	
S30H2	30	.5	18	33	27	2½	2 X 66	42	*	*	V	10	#8	
											CT	*	#4	
S35H2	35	.5	20	33	27	2½	2 X 66	42	*	*	V	10	#8	
											CT	*	#4	

* SEE NOTE 23 AND 24 ON SHEET 2 OF THE STANDARD NOTES.

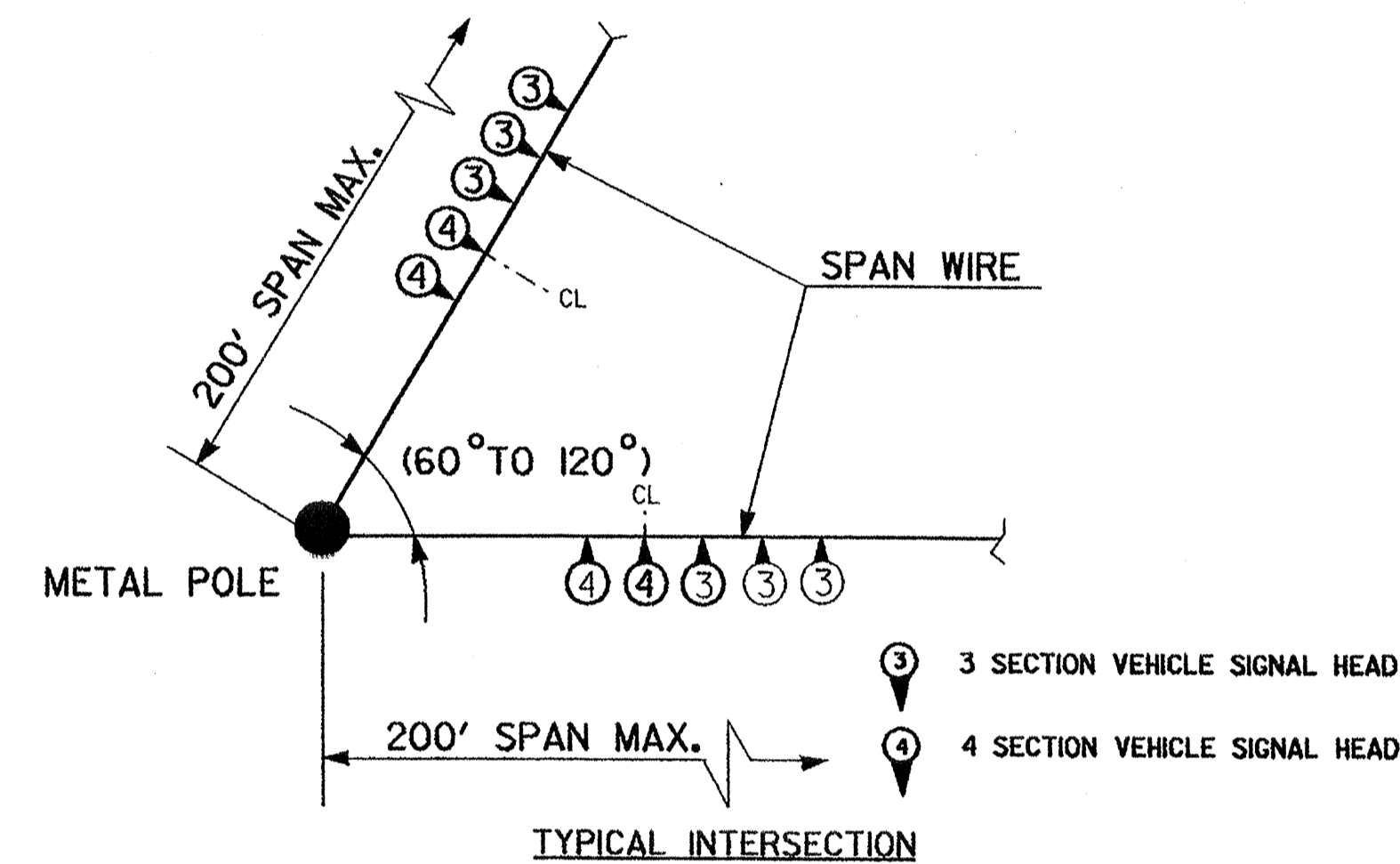
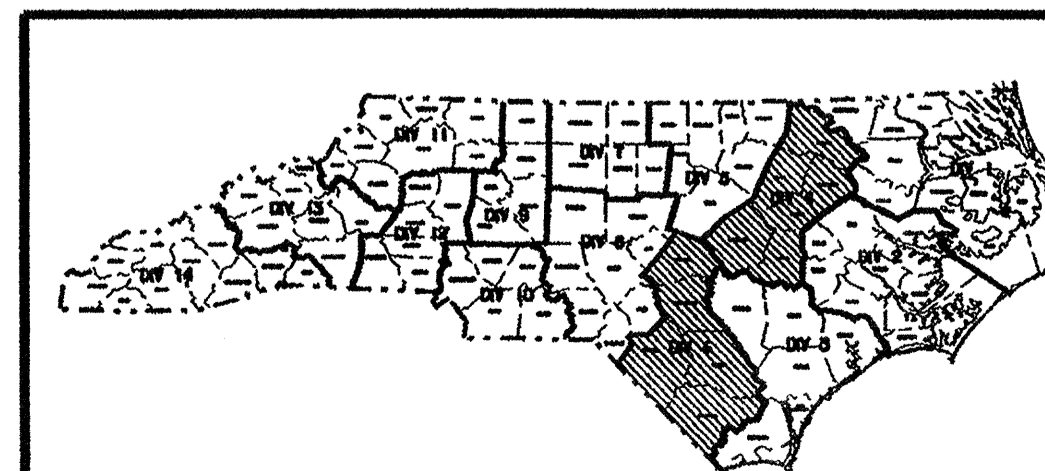


TABLE OF STATEWIDE COUNTY WIND ZONES

ZONE 1 140 mph / 63 m/s	ZONE 2 130 mph / 58 m/s	ZONE 3 110 mph / 49 m/s	ZONE 4 90 mph / 40 m/s	ZONE 5 120 mph / 58 m/s	
CURRITUCK (1) DARE (1) HYDE (1)	BERTIE (1) CAMDEN (1) CHOWAN (1) CURRITUCK (1) DARE (1) GATES (1) HERTFORD (1) HYDE (1) PASQUOTANK (1) NORTHAMPTON (1) MARTIN (1) PERQUIMANS (1) TYRRELL (1) WASHINGTON (1)	BEAUFORT (2) CARTERET (2) CRAVEN (2) GREEN (2) JONES (2) LENOIR (2) PAMLICO (2) PITT (2) BRUNSWICK (3) DUPLIN (3) ONslow (3) NEW HANOVER (3) PENDER (3) SAMPSON (3)	EDGEcombe (4) HALIFAX (4) JOHNSTON (4) NASH (4) WAYNE (4) WILSON (4) BLADEN (6) COLUMBUS (6) CUMBERLAND (6) HARNETT (6) ROBESON (6) DURHAM (5) FRANKLIN (5) GRANVILLE (5) PERSON (5) MONTGOMERY (8) MOORE (8) RANDOLPH (8) WAKE (5) ALAMANCE (7) CASWELL (7) GUILFORD (7) ORANGE (7) ROCKINGHAM (7) SCOTLAND (8)	CHATHAM (8) HOKE (8) LEE (8) UNION (10) ALLEGHANY (11) CALDWELL (11) SURRY (11) WILKES (11) YADKIN (11) ALEXANDER (12) CATAWBA (12) CLEVELAND (12) GASTON (12) CABARRUS (10) MECKLENBURG (10) STANLY (10) UNION (10) BURKE (13) MCDOWELL (13) RUTHERFORD (13) CLAY (14) HENDERSON (14) JACKSON (14) MACON (14) POLK (14) TRANSYLVANIA (14)	ASHE (11) AVERY (11) WATAUGA (11) MADISON (13) MITCHELL (13) YANCEY (13) CHEROKEE (14) GRAHAM (14) HAYWOOD (14) SWAIN (14)

METAL STRAIN POLES



Prepared in the Office of:
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
SPECIAL AND GEOMETRIC SECTION

122 N. McDowell St., Raleigh, NC 27603

**WIND ZONE 3
LOAD CASE AND DESIGN
DETAILS**

PLAN DATE: **SEPTEMBER 2002** REVIEWED BY: **D.C. SARKAR**
PREPARED BY: **C.F. ANDREWS** REVIEWED BY: **R.E. MULLINAX**

SCALE: **0 NA**
NONE

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
028094
ENGINEER
DEBESH C. SARKAR

D. Sarkar 2.14.03
SIGNATURE DATE

13-FEB-2003 15:26 us#hyoming Standard Pole Design2002masterm1.dgn