

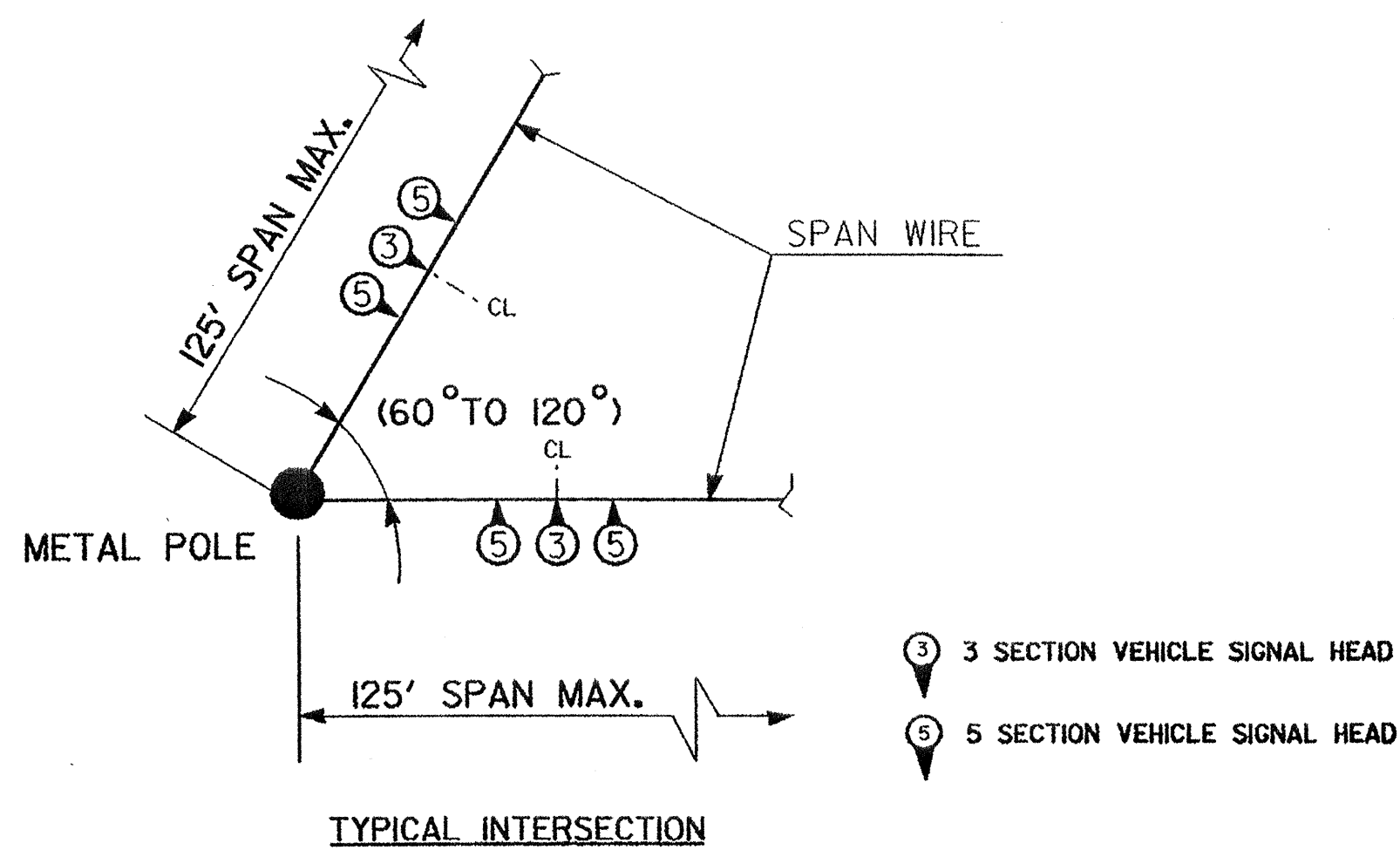
# ZONE 3 (110 MPH)

## 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.

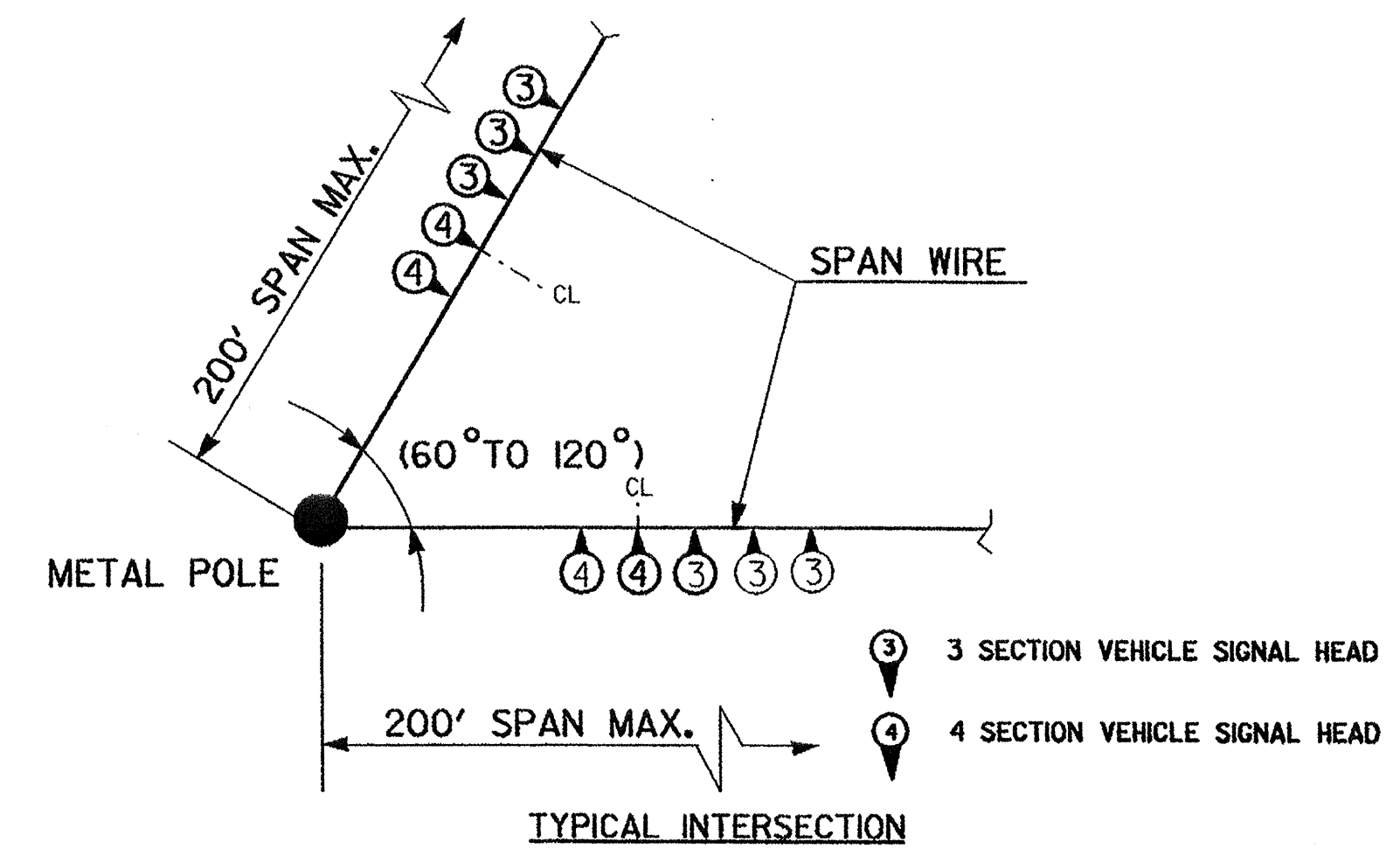
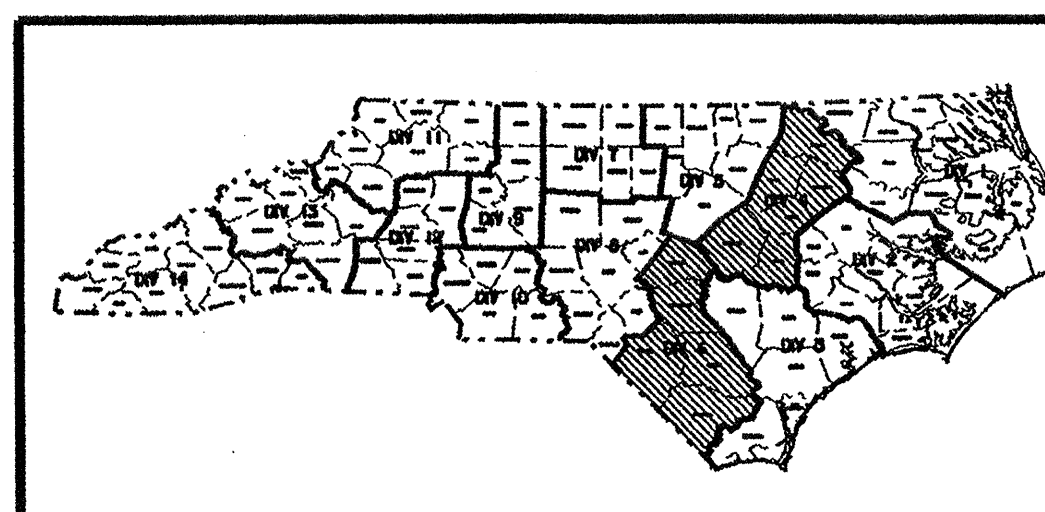


TABLE OF STATEWIDE COUNTY WIND ZONES

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) VANCE (5) WARREN (5) WAKE (5) ALAMANCE (7) CASWELL (7) GUILFORD (7) ORANGE (7) ROCKINGHAM (7) SCOTLAND (8)	CHATHAM (8) HOKE (8) LEE (8) MONTGOMERY (8) MOORE (8) RANDOLPH (8) RICHMOND (8) DAVIDSON (9) DAVIE (9) FORSYTH (9) ROWAN (9) STOKES (9) ANSON (10)	CABARRUS (10) MECKLENBURG (10) STANLY (10) UNION (10) ALLEGHANY (11) CALDWELL (11) SURRY (11) WILKES (11) YADKIN (11) ALEXANDER (12) CATAWBA (12) CLEVELAND (12) GASTON (12)	IREDELL (12) LINCOLN (12) BUNCOMBE (13) 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  
  
**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: NONE  
 REVISIONS: \_\_\_\_\_ INIT. DATE: \_\_\_\_\_  
 SIGNATURE: *D. Sarkar* DATE: 2-14-03

13-FEB-2003 15:26  
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