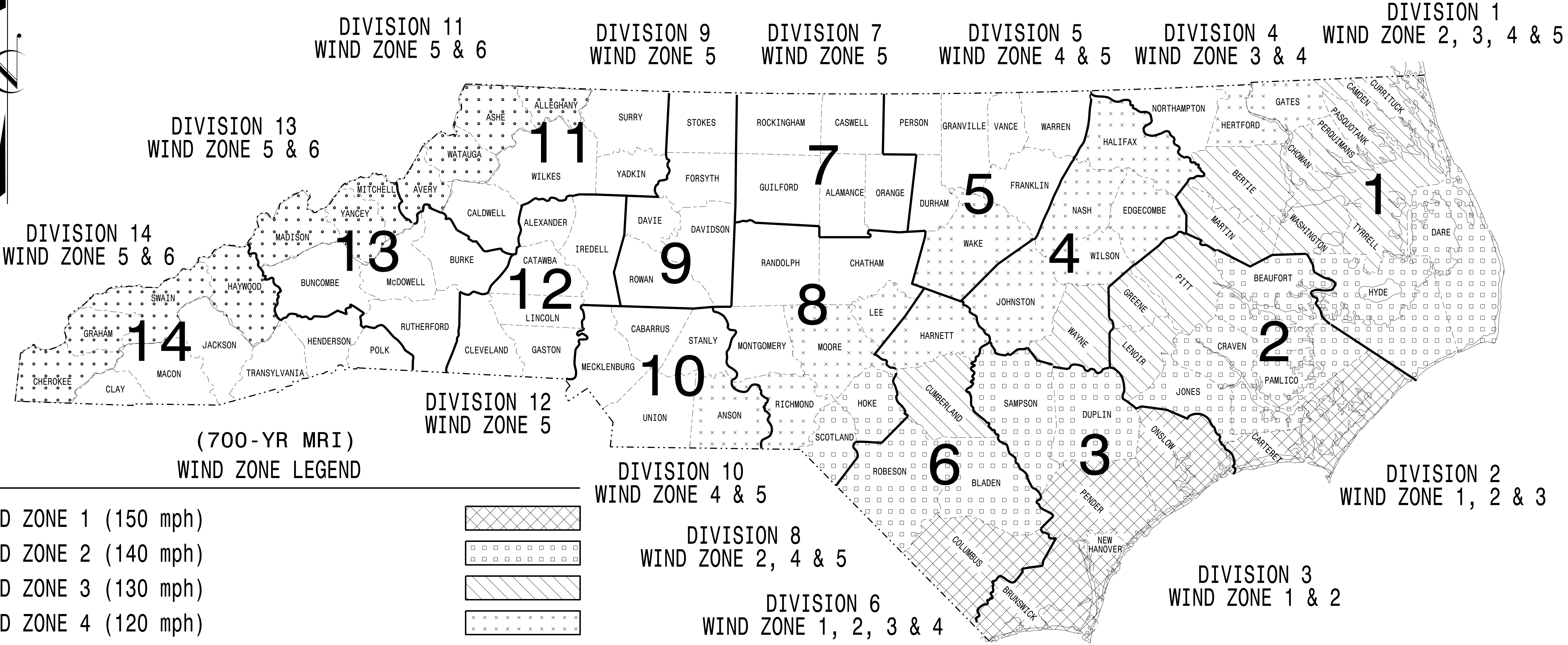


# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

## STANDARD DRAWINGS FOR ALL METAL POLES (LRFD)



(700-YR MRI)  
WIND ZONE LEGEND

WIND ZONE 1 (150 mph)	
WIND ZONE 2 (140 mph)	
WIND ZONE 3 (130 mph)	
WIND ZONE 4 (120 mph)	
WIND ZONE 5 (110 mph)	
WIND ZONE 6 (135 mph) Special Wind Zone	

<https://connect.ncdot.gov/resources/safety/Pages/ITS-Design-Resources.aspx>

**NC DOT METAL POLE STANDARDS**

03-001-2023 1P-07  
S:\IT\AS\11\11\Sig\Drawings\Drawings\2024\Metal Pole Standards\2024 Sig-M1A Standard.dwg  
Signal Design Section  
750 N. Greenfield Pkwy.  
Garner, NC 27529



Designed in conformance  
with the latest  
2020 Interim to the  
1st Edition 2015  
**AASHTO  
LRFD**  
Standard Specifications for  
Highway Signs, Luminaires,  
and Traffic Signals

DRAWING NUMBER	INDEX OF PLANS DESCRIPTION
Sig. M 1A	Statewide Wind Zone Map (700-yr MRI)
Sig. M 1B	Statewide Wind Zone Map (10-yr MRI)
Sig. M 2	Typical Fabrication Details-All Metal Poles
Sig. M 3	Typical Fabrication Details-Strain Poles
Sig. M 4	Typical Fabrication Details-Mast Arm Poles
Sig. M 5	Typical Fabrication Details-Mast Arm Connection
Sig. M 6	Typical Fabrication Details-Strain Pole Attachments
Sig. M 7	Construction Details-Foundations
Sig. M 8	Standard Strain Pole Foundation-All Soil Conditions
Sig. M 9	Typical Fabrication Details-CCTV Camera Poles

**MOBILITY AND SAFETY DIVISION -  
TRANSPORTATION SYSTEMS MANAGEMENT  
AND OPERATIONS UNIT**

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SEAL

DocuSigned by:  
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SIGNATURE  
4B23DC79B3764DA

09/21/2023  
DATE