

CHAPTER 12

MISCELLANEOUS

MISCELLANEOUS DESIGN GUIDES

12-1

The following design guides are available in the Special Services Section in the Project Services Unit. There is other design information available that is not specifically listed.

- (A) Parking layouts (See this Chapter, 12-1, Figure 2.)
- (B) Channelization layouts
- (C) Truck turn templates and related information
- (D) Truck-tractors pulling 28 ft. trailers and other larger trucks are permitted on designated interstate highways and on other principal roads in N.C. The designers shall determine if their projects are involved with the twin-trailer routes and be aware of potential safety effects that will result when allowing these larger trucks on these routes; i.e., overriding shoulders and curbs during turns and at curves, accelerated deterioration of the pavement, setback of roadside guardrail and signing. See A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS (2004) edition, Ch's. 2 and 9.
- (E) Bus turn templates and related information

FIGURE 1

12 - 1

F - 1

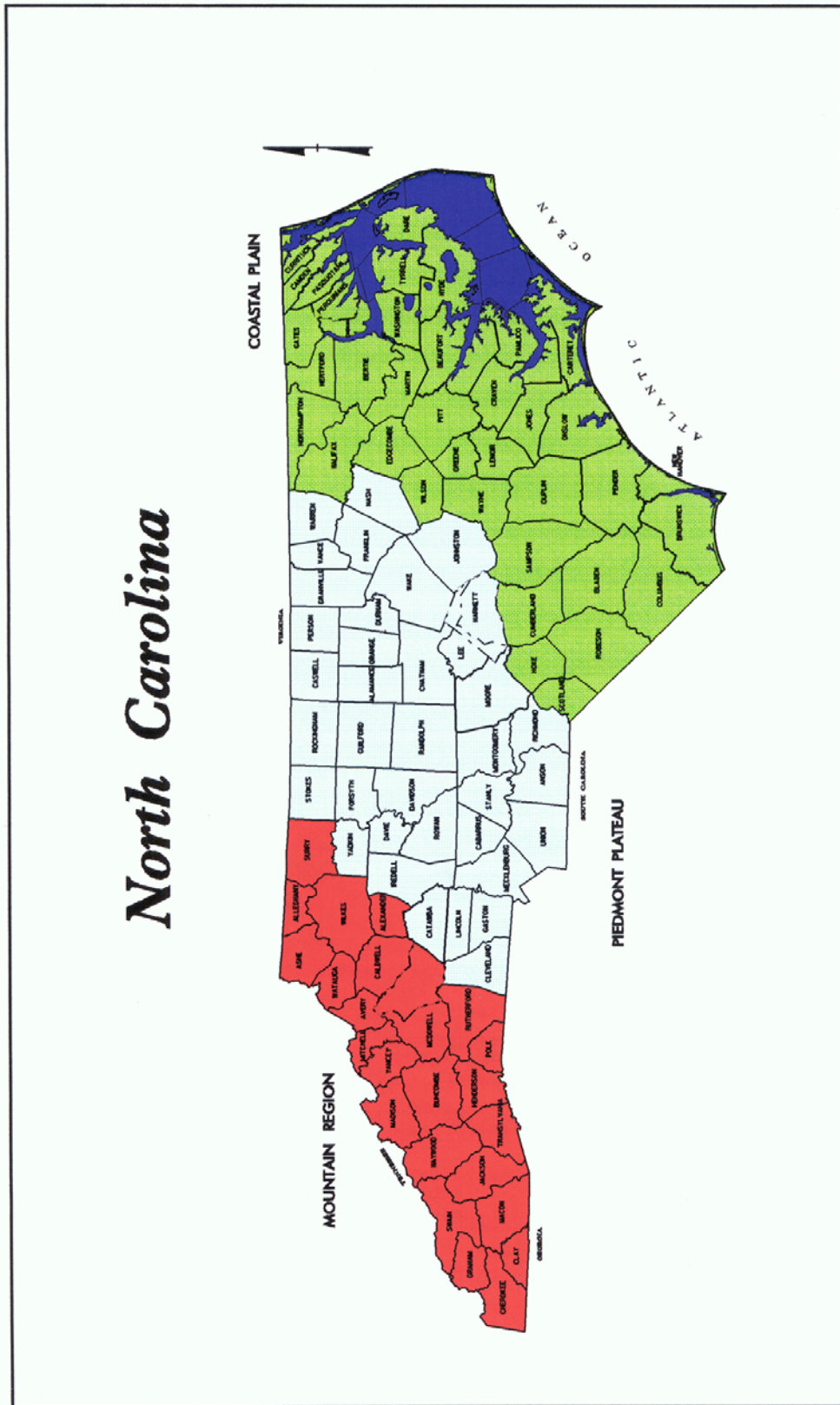
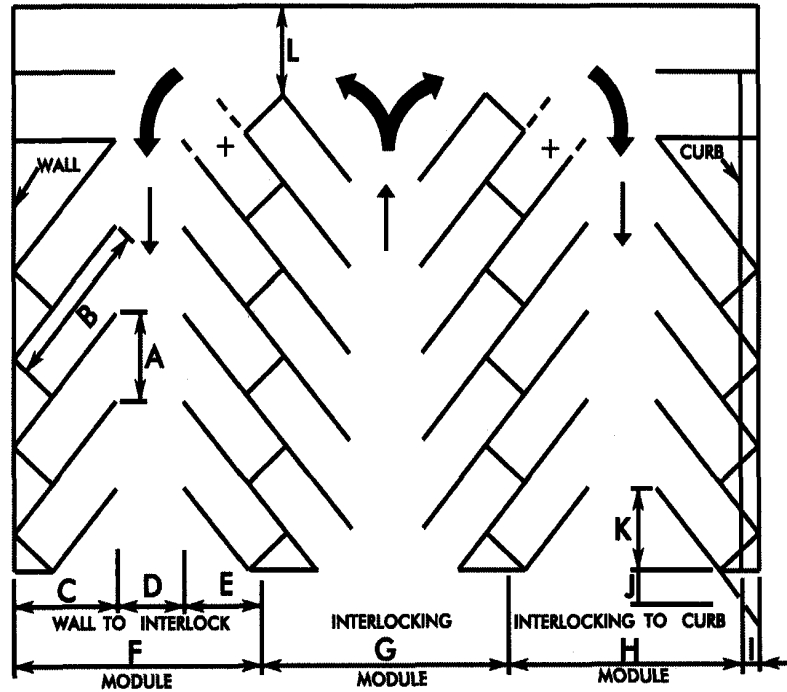


FIGURE 2

12 - 1
F - 2



X = STALL NOT ACCESSIBLE IN CERTAIN LAYOUTS

PARKING LAYOUT DIMENSIONS (IN FEET) FOR 9FT X 18.5FT.
STALLS AT VARIOUS ANGLES

DIMENSION	ON DIAGRAM	ANGLE			
		45°	60°	75°	90°
STALL WIDTH, PARALLEL TO AISLE	A	12.7	10.4	9.3	9.0
STALL LENGTH OF LINE	B	27.5	23.7	20.9	18.5
STALL DEPTH TO WALL	C	19.5	20.5	20.0	18.5
AISLE WIDTH BETWEEN STALL LINES	D	12.0	16.0	23.0	26.0
STALL DEPTH, INTERLOCK	E	16.5	18.5	19.0	18.5
MODULE, WALL TO INTERLOCK	F	48.0	55.0	62.0	63.0
MODULE, INTERLOCKING	G	45.0	53.0	61.0	63.0
MODULE, INTERLOCK TO CURB FACE	H	46.0	52.5	59.5	60.5
BUMPER OVERHANG (TYPICAL)	I	2.0	2.3	2.5	2.5
OFFSET	J	6.4	2.6	0.6	0.0
SETBACK	K	9.3	9.3	4.8	0.0
CROSS AISLE, ONE-WAY	L	14.0	14.0	14.0	14.0
CROSS AISLE, TWO-WAY	-	24.0	24.0	24.0	24.0

**PLEASE SEE DESIGN SERVICES
SPECIALS SERVICES GROUP FOR THE
NORTH CAROLINA
NATIONAL TRUCK NETWORK
FOR STAA VEHICLES MAP**