1. Shop drawings shall be submitted on lightning rod and connection details. Drawings are for informational purposes only. Only one lightning rod is required per structure.

2. Grounding rod must be located a min. of 6 ft from base at a min. of 2 ft below grade.

For bonding plate detail, see Standard Drawing No. E 807-LTLR-02.

INDIANA DEPARTMENT OF TRANSPORTATION
LIGHTNING ROD
TYPICAL DETAILS
MARCH 1995

STANDARD DRAWING NO. E 807-LTLR-01
DETAILS PLACED IN THIS PROJECT 7-27-95

/\ Anthony L. Dressovich 7-27-95
DESIGN ENGINEER

/\ Luxembourg 7-27-95
CIVIL ENGINEER

/\ Indiana State 7-27-95
ROD ENGINEER
GROUNDING GRID CONNECTOR

Wedge
Body
Nest

28/14 Stranded bare copper wire

3/8" x 12'-0" Copperweld ground rod

TOP CONNECTION

28/14 Stranded bare copper wire

3/8" x 12'-0" copperweld ground rod

THERMOWELD PROCESS

SIDE CONNECTION

28/14 Stranded bare copper wire

BONDING PLATE
(DETAIL A)
CENTER HOOD MOUNT

Lightning rod (Air terminal)

45° Cone cover

Head frame cover

Neoprene bushing

28/14 Bare copper wire
NOTES

1 See Standard Drawing E 807-LTLR-02 for Detail A.