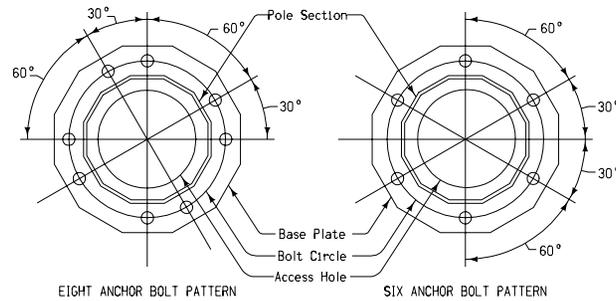


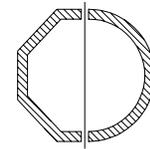
To ensure correct alignment, the portion of the anchor bolt assembly to be embedded in the foundation shall be securely braced against distortion. A steel template, minimum 10 mm thick, shall also be provided for the portion of the anchor bolt assembly above the foundation. Welding of the anchor bolts is prohibited.

Contract Item:
Lighting Tower

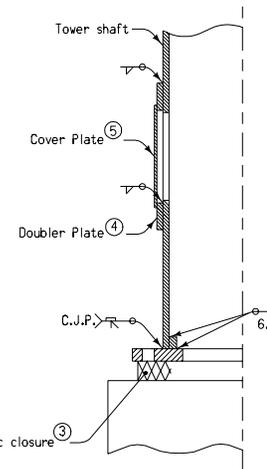
- ① Minimum number of six (6) anchor bolts equally spaced shall be used for all poles.
- ② Tower may be fabricated with circular or polygonal cross-section.
- ③ Wire fabric material to comply with Materials I.M. 443.01: Rodent Guard, Expanded Metal. Wire fabric shall be placed around anchor bolt circle between concrete footing and base plate. The fabric shall fit tight to the bottom surface of the base plate and the top surface of the footing to prevent rodent entry.
- ④ Provide vent holes in doubler plate as needed for galvanizing. Holes shall be filled with caulk after galvanizing.
- ⑤ Provide two handles on cover plate. Cover plate shall project beyond the hole at least 25 mm in all directions.
- ⑥ All anchor bolt material shall comply with the requirement of Iowa DOT Materials I.M. 453.08.



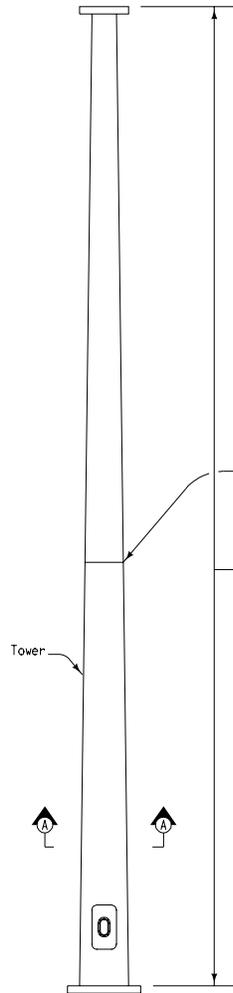
SECTION C-C
(FOR DODECAGON TOWER SECTION) ①



SECTION A-A ②



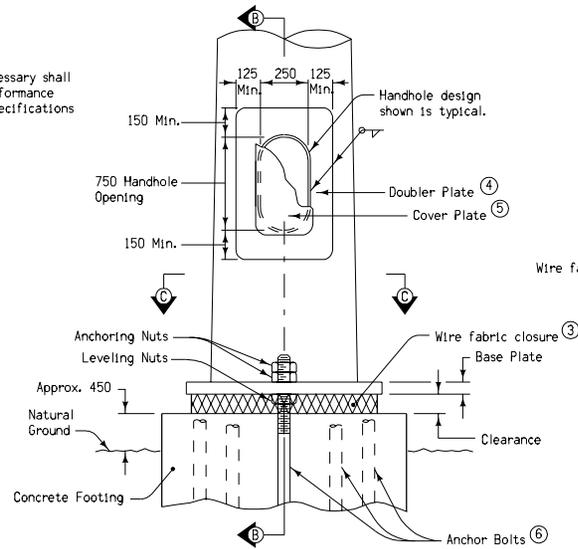
SECTION B-B
(Anchor Bolts not shown for clarity)



ELEVATION

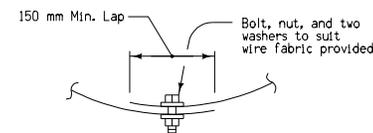
Any splices necessary shall be made in conformance with current specifications

Mounting height



ELEVATION DETAIL

Wire fabric closure ③



WIRE FABRIC CLOSURE DETAIL ③

All dimensions given in millimeters unless noted.

M METRIC VERSION	 Iowa Department of Transportation	REVISION 4 04-17-07
		RM-44
	STANDARD ROAD PLAN	
	REVISIONS: Changed wording prohibiting welding of anchor bolts.	
 APPROVED BY DESIGN METHODS ENGINEER		SHEET 1 of 1
LIGHTING TOWER		