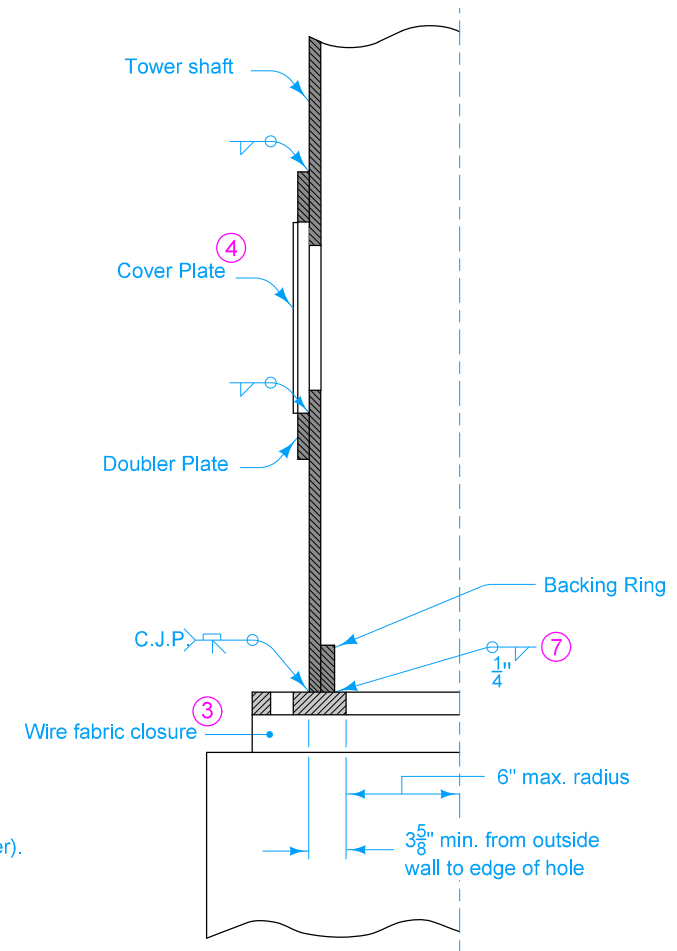
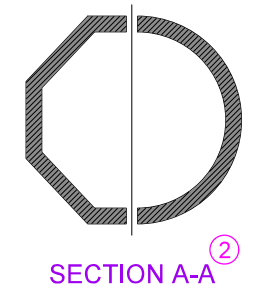


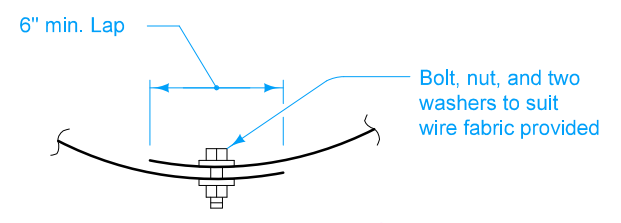
ELEVATION



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



SECTION A-A



WIRE FABRIC CLOSURE

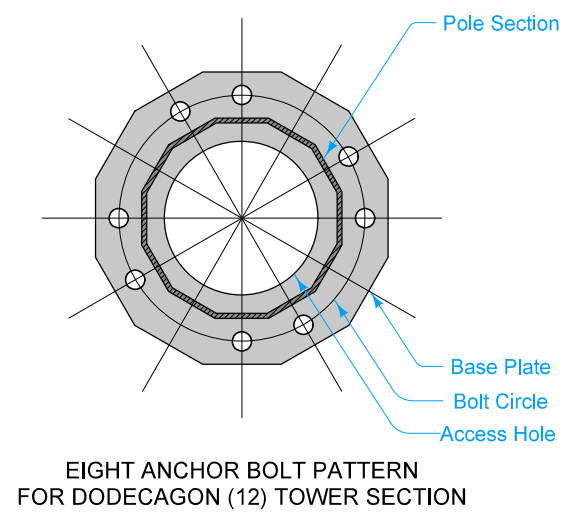
Possible Contract Item:
Lighting Tower

	REVISION	
	1	04-19-16
STANDARD ROAD PLAN		LI-110
		SHEET 1 of 1

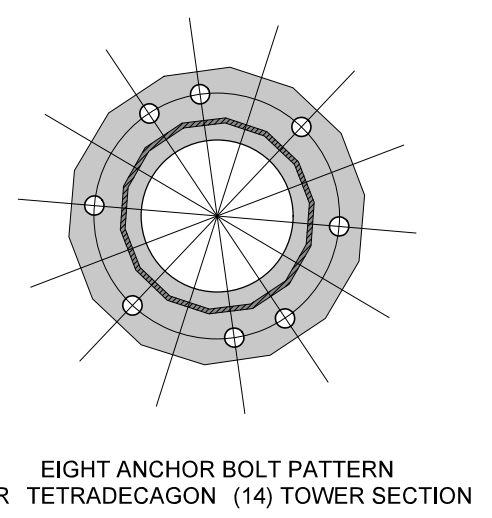
REVISIONS: Removed venting and caulking requirements for Doubler Plate. Changed on-sag urethane caulking from light grey to brown or colorless.

Shawn Miller
APPROVED BY DESIGN METHODS ENGINEER

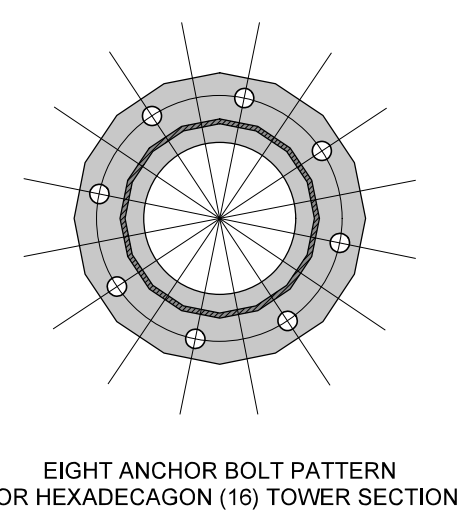
LIGHTING TOWER



EIGHT ANCHOR BOLT PATTERN FOR DODECAGON (12) TOWER SECTION



EIGHT ANCHOR BOLT PATTERN FOR TETRADECAGON (14) TOWER SECTION



EIGHT ANCHOR BOLT PATTERN FOR HEXADECAGON (16) TOWER SECTION

SECTION C-C

Mounting height

Tower

ELEVATION

12'-0" Base Section
(5/8" min. thickness)

Splice (typ.)

Natural Ground

Foundation

Approx. 18"

Wire fabric closure

Jam Nut

Anchoring Nut

Leveling Nut

Base Plate
(3" min. thickness)

Clearance to Bottom of Leveling Nut
(max. of Anchor Bolt Diameter).

Anchor Bolts

Doubler Plate
(5/8" min thickness)

Cover Plate

Handhole design shown is typical.

- 1 Place a minimum of eight anchor bolts for all towers. Place bolts as shown in Section C-C.
- 2 Tower may be fabricated with circular or polygonal cross-section.
- 3 Furnish wire fabric material to complying with Materials I.M. 443.01. Place wire fabric around base plate and extended to the concrete foundation. Fit fabric tight to the edge of the base plate and to the top surface of foundation to prevent rodent entry.
- 4 Provide two handles on cover plate. Project cover plate beyond the hole at least 1 inch in all directions.
- 5 Use Anchor Bolt material meeting the requirements of Materials I.M. 453.08.
- 6 Seal joints using a brown or colorless non-sag urethane caulking sealer marketed for outdoor use as approved by the Engineer.
- 7 Continuous backing ring or backing ring made continuous by a complete joint penetration weld.