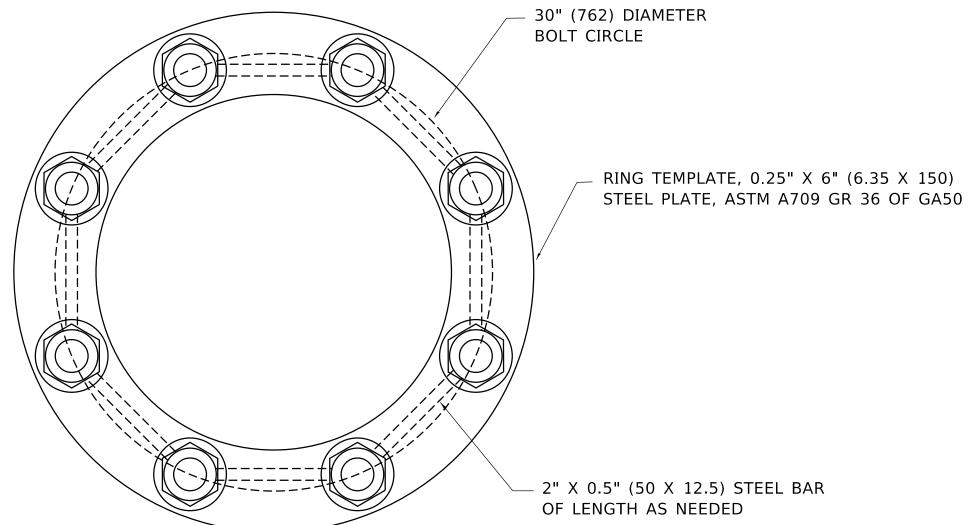
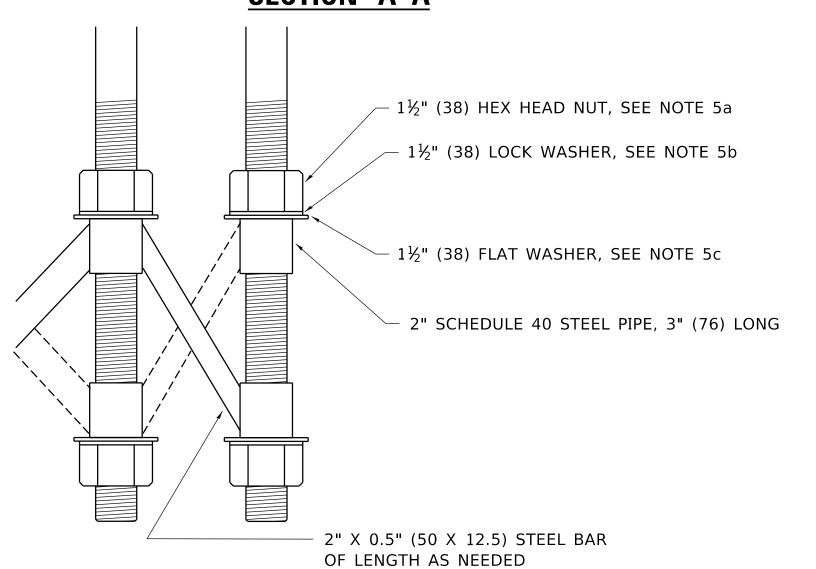


BOLT CAGE TOP



SECTION A-A



BOLT CAGE BOTTOM

USER NAME = footemj	DESIGNED -	REVISED - R. TOMSONS 03-12-10
	DRAWN -	REVISED - R. TOMSONS 09-02-10
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. TOMSONS 02-27-13
PLOT DATE = 4/19/2019	DATE -	REVISED - R. TOMSONS 04-29-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

HIGH MAST LIGHT TOWER 100 FT TO 110 FT (30 m TO 34 m) FOUNDATION DETAIL SCALE: NONE SHEET 2 OF 2 SHEETS STA.

NOTES:

- 1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN
- 2. ANCHOR RODS SHALL BE STRAIGHT AND SHALL BE ACCORDING TO ASTM F1554, GRADE 725 (GRADE 105) AND GALVANIZED ACCORDING TO ARTICLE 1006.09.
- 3. ANCHOR ROD INFORMATION SHALL BE SUBMITTED FOR APPROVAL AND SHALL BE FULLY COORDINATED WITH TOWER MANUFACTURERS REQUIREMENTS
- 4. CUT NUTS, OR JAM NUTS, ARE NOT ALLOWED
- 5. ANCHOR ROD CAGE HARDWARE SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
 - a) 1.5 (38) HEX HEAD NUTS AASHTO M291, GRADE C, C3, D ,DH OR DH3 HOT DIPPED GALVANIZED AASHTO M 232
 - b) 1.5 (38) HELICAL LOCK WASHERS ANSI/ASME B18.21.1 I.D. 1.504 - 1.524 O.D. 2.159 MAX. WIDTH 0.292 MIN. THICKNESS 0.375 MIN. HARDNESS 26-45 ROCKWELL C HOT DIPED GALVANIZED AASHTO M232
 - c) 1.5 (38) FLAT WASHERS AASHTO M293 O.D. 2.75 I.D. 1.56 THICKNESS 0.16 - 0.25 HARDNESS 26-45 ROCKWELL C. HOT DIPED GALVANIZED AASHTO M232
- 6. THE SHAFT LENGTHS SHALL BE BASED ON SOIL BORINGS IN THE PLANS AND OR A DETERMINATION OF SOIL CONDITIONS BY THE ENGINEER.
- 7. ALL FOUNDATION REINFORCEMENT STEEL SHALL BE EPOXY COATED.
- 8. THE FOUNDATION SHALL BE POURED MONOLITHICALLY AND SHALL HAVE NO CONSTRUCTION JOINTS.
- 9. ANCHOR RODS AND ALL ASSOCIATED HARDWARE ARE SHOWN AS MINIMUMS. SIZING SHALL BE DETERMINED BY THE TOWER MANUFACTURER AND APPROVED BY THE ENGINEER. EACH FOUNDATION SHALL HAVE A MINIMUM OF 8 ANCHOR RODS.

F.A. RTE. SECTION COUNTY BE-501 CONTRACT NO. ILLINOIS FED. AID PROJECT