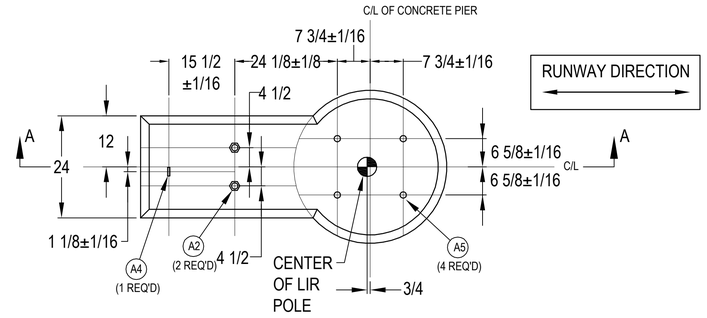
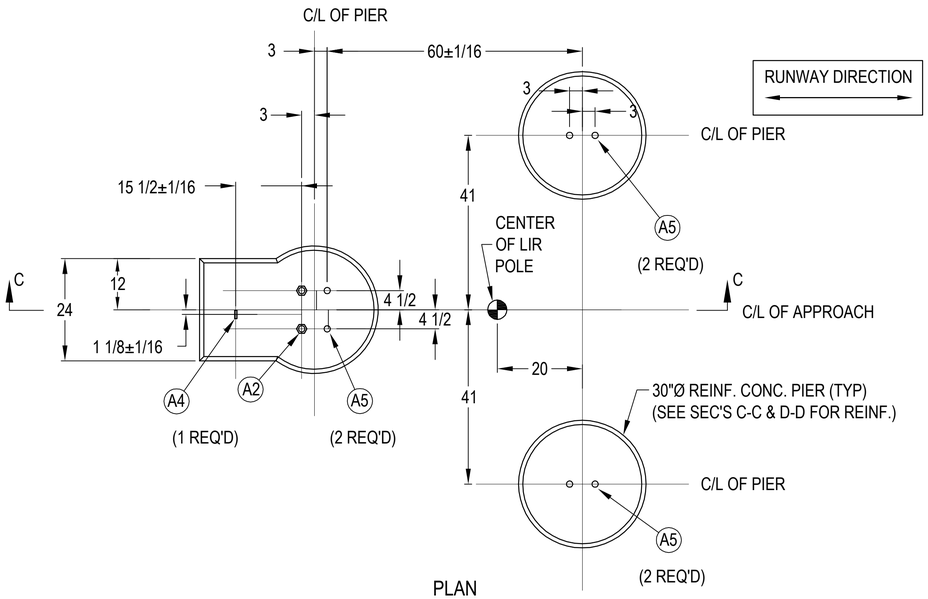


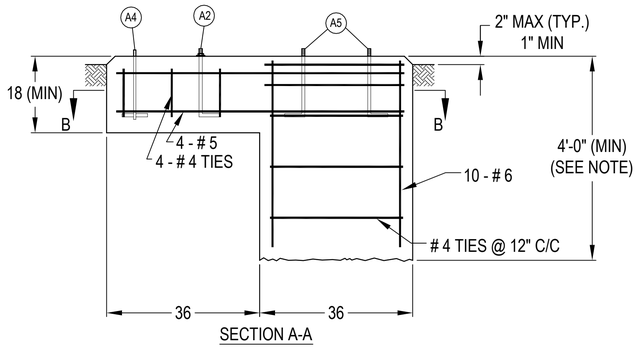
PLAN
FOUNDATION FOR LIR STRUCTURE MG-20



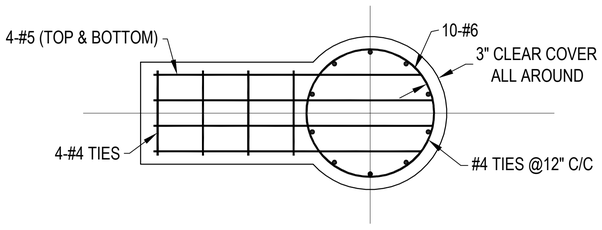
PLAN
FOUNDATION FOR LIR STRUCTURES MG-30 & MG-40

NOTES:
1. FOUNDATIONS SHOWN HERE ARE ONLY REPRESENTATIVE & MUST BE SITE ADAPTED, EXCEPT FOR THE LOCATION OF ANCHOR BOLTS. THE FOUNDATION MAY BE CONCRETE PIERS OR ANY OTHER TYPE APPROVED BY FAA REGIONAL ENGINEERS. DESIGN LOAD FOR FOUNDATION: 25 PSF ON EXPOSED AREA OF STRUCTURE. MINIMUM SAFETY FACTOR FOR SOIL BEARING CAPACITY = 2.

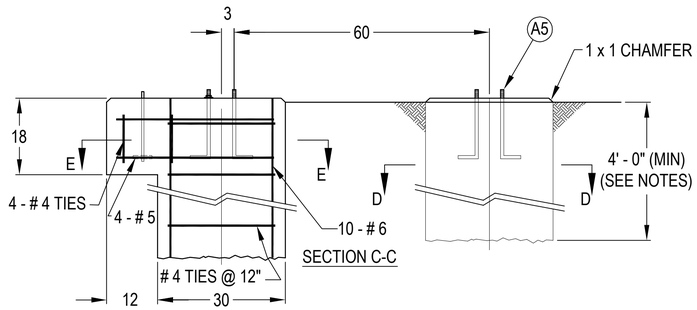
2. FOR THE REPRESENTATIVE CONCRETE FOUNDATION SHOWN:
   A. CONCRETE STRENGTH = 3,000 PSI @ 28 DAYS, (MIN)
   B. SOIL BEARING CAPACITY = 3,000 PSF (MIN)
   C. SECURELY PLACE ALL ELECTRICAL CONDUITS & ANCHOR BOLTS PRIOR TO PLACING CONCRETE.
   D. PLACE ALL CONCRETE ON UNDISTURBED SOIL.
   E. MINIMUM DEPTH OF CONCRETE PIERS = 4'–0" OR 1 FT BELOW LOCAL FROST LEVEL, WHICH EVER IS GREATER.
   F. REINFORCEMENT STEEL PER ASTM A615, GR. 40; TIE WIRE TO BE 16 GAUGE OR LARGER ANNEALED IRON.



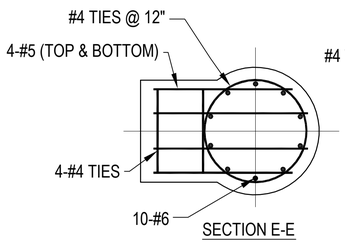
SECTION A-A



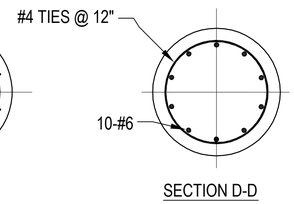
SECTION B-B



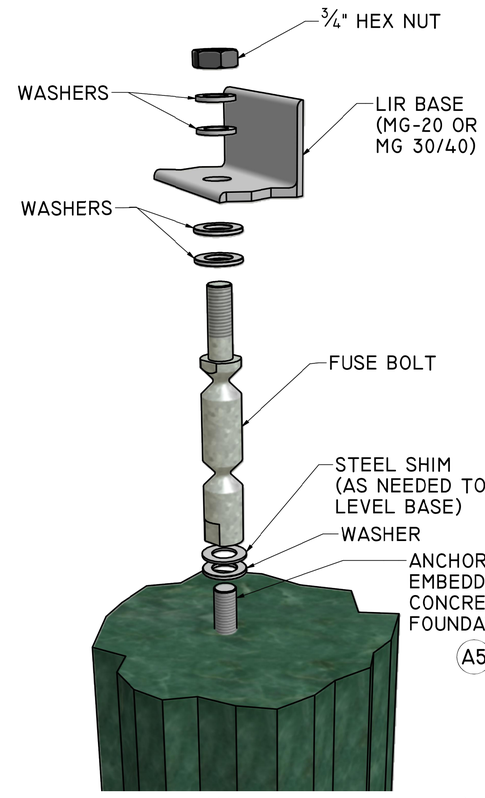
SECTION C-C



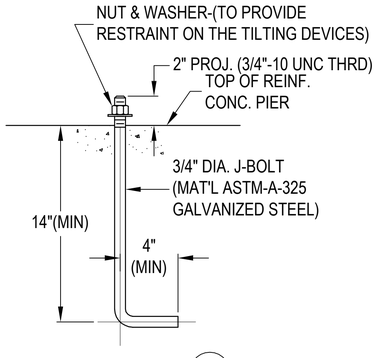
SECTION E-E



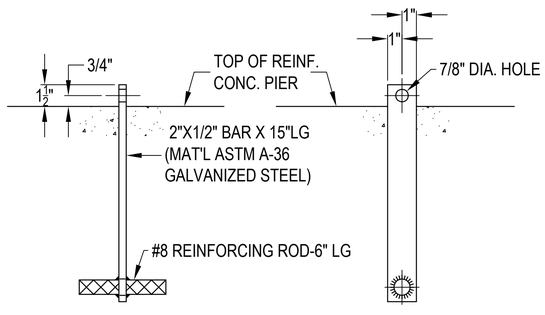
SECTION D-D



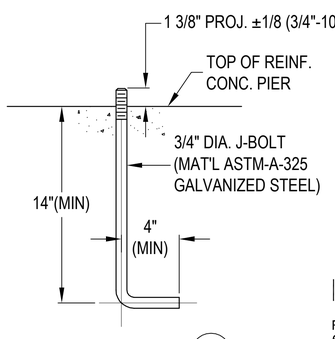
TYPICAL FUSEBOLT (BREAKAWAY SUPPORT) ASSEMBLY



ANCHOR BOLT (A2)



ANCHOR PLATE (A4)



ANCHOR BOLT (A5)

JAQUITH INDUSTRIES INC.
PO BOX 780
600 E. BRIGHTON AVE.
SYRACUSE, NEW YORK 13205
www.jaquith.com 315-478-5700

REV.LTR.	DATE	DESCRIPTION	CHECKED	APPROVED
A	8/10/10	FOUNDATIONS DRAWN TO ACCOMODATE FUSE BOLTS		

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
WASHINGTON, D.C. 20591

ALSF–2 (6' – 128') & MALSR (40' – 128') L.I.R. STRUCTURES LIGHT MOUNTING HEIGHT 6'–1" TO 40'–0" FOUNDATIONS FOR LIR STRUCTURES MG–20, MG–30, & MG–40 WITH FUSE BOLTS

REVIEWED BY	SUBMITTED BY	APPROVED BY
		TECHNICAL OFFICER
DESIGNED BY	ISSUED BY	DATE– 04/14/80
DRAWN BY		DRAWING NO. D–6155–19FB
CHECKED BY		REV. LTR. A