



- NOTES**
1. Reinforcement bars designated (E) shall be epoxy coated.
 2. Bars equally spaced, unless otherwise noted.
 3. Apply concrete sealer to all exposed concrete surfaces of the pier.
 4. All edges shall have standard $\frac{3}{4}"$ chamfer.
 5. See Sheet S1-38 for Bill of Material, Section A-A, B-B, C-C, D-D, E-E & F-F, and Drilled Shaft details.
 6. Pour steps monolithically with cap.
 7. Space reinforcement in cap to miss anchor bolts.
 8. The quantities and reinforcement detailing are based on the top of shaft and the estimated elevations shown and may change based on the actual elevations encountered at each shaft and the final top of shaft elevation.
 9. Contractor is responsible for determining the casing thickness and the actual tip elevation to be used. See Article 516.06 (d) of the Standard Specifications. Pay limits for the Permanent Casing shall be based on the minimum length shown.
 10. For Bearing orientation layout plan, see Sheet S1-25.

Minimum Bar Laps	
Bar	Lap
#4	2'-7"
#5	3'-3"
#6	3'-10"
#7	5'-2"
#8	6'-9"
#9	8'-7"

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HBM ENGINEERING GROUP, LLC. CONSULTING & DESIGN INSPECTION & RATING RESEARCH & TESTING 4415 WEST HARRISON ST. SUITE 231 HILLSIDE, IL 60162 PHONE: (708) 236-0900 FAX: (708) 236-0901	0161709-60W25-S37-Pier1.dgn USER NAME = will.mardous PLOT SCALE = 3/8" = 1' / in. PLOT DATE = 6/14/2013	DESIGNED - MI, MAF DRAWN - LAB, MAF CHECKED - MAI, MI, MWM DATE - 6/17/2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				PIER 1 PLAN AND ELEVATION STRUCTURE NO. 016-1709				F.A.I. R.E. 90/94/290	SECTION 2013-007R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 181
	SCALE: SHEET S1-37 OF 51 SHEETS STA. TO STA.								CONTRACT NO. 60W25							
	ILLINOIS FED. AID PROJECT															
	* 8' 8" at South face of pier cap, 11' 8" at North face of pier cap															