

Rev#	Revision note	Date	Signature	Checked

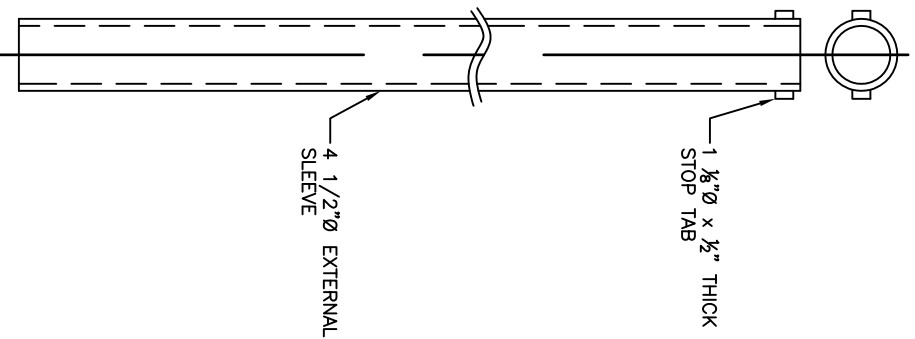
4 1/2" Ø EXTERNAL SLEEVE SPECIFICATIONS

MECHANICAL PROPERTIES OF EXTERNAL SLEEVE

PILING DIAMETER	4 1/2"
t (in)	0.438
R (in)	1.445
Fy (ksi)	65.0
Fu (ksi)	80.0
Ix (in ⁴)	11.66
Sx (in ³)	5.183
Zx (in ³)	7.255
J (in ⁴)	23.32

4 1/2" Ø SLEEVE CHART

PART NUMBER	LENGTH (ft)
4107.45	4'-0"
4109.45	5'-0"
4110.45	6'-0"
4112.45	8'-0"
4114.45	10'-0"



NOTES:

1. POLYETHYLENE COPOLYMER THERMOPLASTIC COATING PER ICC-ES AC 228
2. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
3. ALL WELDING IS TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODE D1.1.
4. THE CAPACITY OF THE UNDERPINNING SYSTEM IS A FUNCTION OF MANY INDIVIDUAL ELEMENTS, INCLUDING THE CAPACITY OF THE FOUNDATION, BRACKET, PILING MATERIAL, AND BEARING STRATA, AS WELL AS THE STRENGTH OF THE FOUNDATION BRACKET CONNECTION AND THE QUALITY OF THE INSTALLATION OF THE PILE.
5. RAM JACK ENGINEERING HANDBOOK FOR ALLOWABLE VALUES AND/OR CONDITIONS OF USE CONCERNING MATERIAL PRESENTED IN THIS DOCUMENT.

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UNLESS OTHERWISE SPECIFIED
 * DIMENSIONS ARE IN INCHES
 * TOLERANCES: ANGLE ±1°
 3 PLACE DECIMALS ± .010
 2 PLACE DECIMALS ± .02
 * REMOVE ALL BURRS AND SHARP EDGES
 * PARENTHETICAL INFO FOR REF ONLY

HOLE TOLERANCES	
.013 THRU +.004	.126 THRU +.004
.125 THRU -.001	.250 THRU -.001
.301 THRU +.008	.751 THRU +.010
.750 THRU -.001	1.000 THRU -.001
	2.000 THRU +.012

FILE NAME	3 1/2" Ø PILINGS	FSOM NO	SHEET	1 OF 1	SCALE	1" = 1'-0"
SIZE	A-SIZE TITLE BLOCK					
DRAWN	10-16-08					
CHECK	DARIN WILLIS					
APPR.	DARIN WILLIS					
ISSUED	4 1/2" Ø EXTERNAL SLEEVE					
REV						
DMGKT#						



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