

RevNo	Revision note	Date	Signature	Checked

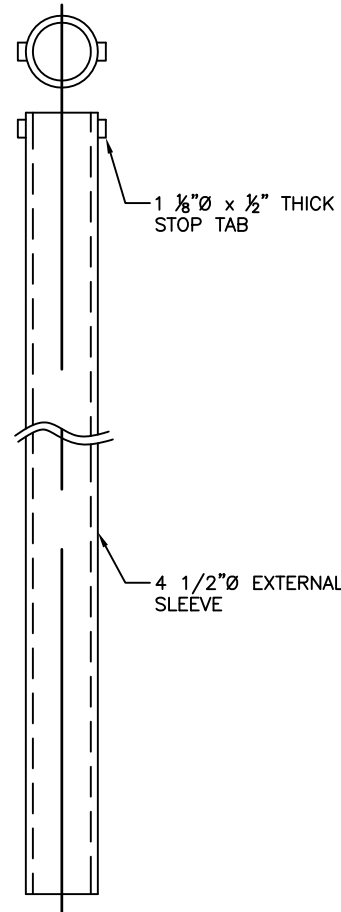
4 1/2" Ø EXTERNAL SLEEVE SPECIFICATIONS

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 RECONIZED 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
 * PARENTHEICAL INFO FOR REF ONLY

HOLE TOLERANCES					
.013	.126	.251			
THRU +.004	THRU +.004	THRU +.008			
.125	.250	.500			
.501	.751	1.001			
THRU +.008	THRU +.010	THRU +.012			
THRU -.001	THRU -.001	THRU -.001			
.750	1.000	2.000			

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