



FOUNDATION PROVIDED FOR PIER DESIGN  
BY OTHERS. THIS PLAN IS ONLY A LAYOUT  
GUIDE FOR PLACEMENT OF PIERS AND NOT  
VERIFICATION OR ENDORSEMENT OF THE  
FOUNDATION DESIGN.

CONTRACTUAL BENEFIT: HD ENGINEERING & DESIGN HAS PRODUCED OR WORKED ON THESE DRAWINGS IN THE INTEREST OF OUR CLIENT. NO CONTRACTUAL OBLIGATION OR BENEFIT IS ASSUMED BETWEEN HD ENGINEERING & DESIGN AND ANY OTHER ENTITY.

EXISTING CONDITIONS: HD ENGINEERING & DESIGN WILL ONLY BE HELD LIABLE FOR THESE DRAWINGS. HD ENGINEERING & DESIGN WILL NOT BE HELD LIABLE FOR EXISTING BUILDING STRUCTURES, SITE CONDITIONS, EXISTING CONSTRUCTION ELEMENTS, OR ANY OTHER DOCUMENTS, DRAWINGS, OR OTHER INSTRUMENTS RELATED TO OR INTENDED TO BE USED FOR ANY PART OF THIS PROJECT.

OUR DESIGN ASSUMES THAT THE BEARING CAPACITY OF THE SHALE, LIMESTONE, OR SANDSTONE SHALL BE A MINIMUM OF 8000 PSF.

A PIER PLAN OF THIS NATURE IS ONLY INTENDED TO PROVIDE EQUIVALENT BEARING FOR GRAVITY LOADS, NO MEASURES HAVE BEEN TAKEN TO RESIST UPLIFT DUE TO THE EFFECTS OF EXPANSIVE SOIL OR LATERAL RESTRAINT DUE TO SITE STABILITY

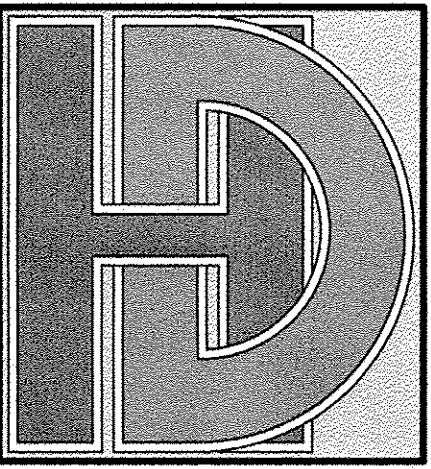


# PIER INSPECTION LOG

SYM	DATE	# INSP	# APPR	INTL
[1]				
[2]				
[3]				
[4]				
[5]				

- 46 PIERS TOTAL FOR HOUSE SUPPORT
- PIERS TO TERMINATE SHALE, SANDSTONE OR LIMESTONE.

18" - (46) 18" DIAMETER



**HD ENGINEERING  
& DESIGN, INC.**

[www.hdengineers.com](http://www.hdengineers.com)  
**KANSAS OFFICE**  
11656 W.75TH STREET  
SHAWNEE, KANSAS 66214  
V: 913-631-2222  
F: 800-780-8608



KS. COA. # E1312  
MO. COA. # 2006034946-F

**SAB HOMES, INC.**  
120 SW MACKENZIE DR  
LEE'S SUMMIT, MO.  
PIER DESIGN

REVISION TABLE	

DATE:	11/7/19
HD #:	38287
DRAWN BY:	MAG
REVIEW BY:	CLS

PIER LAYOUT AND  
NOTES  
SHEET NUMBER:  
**P-1**  
PERMIT SET