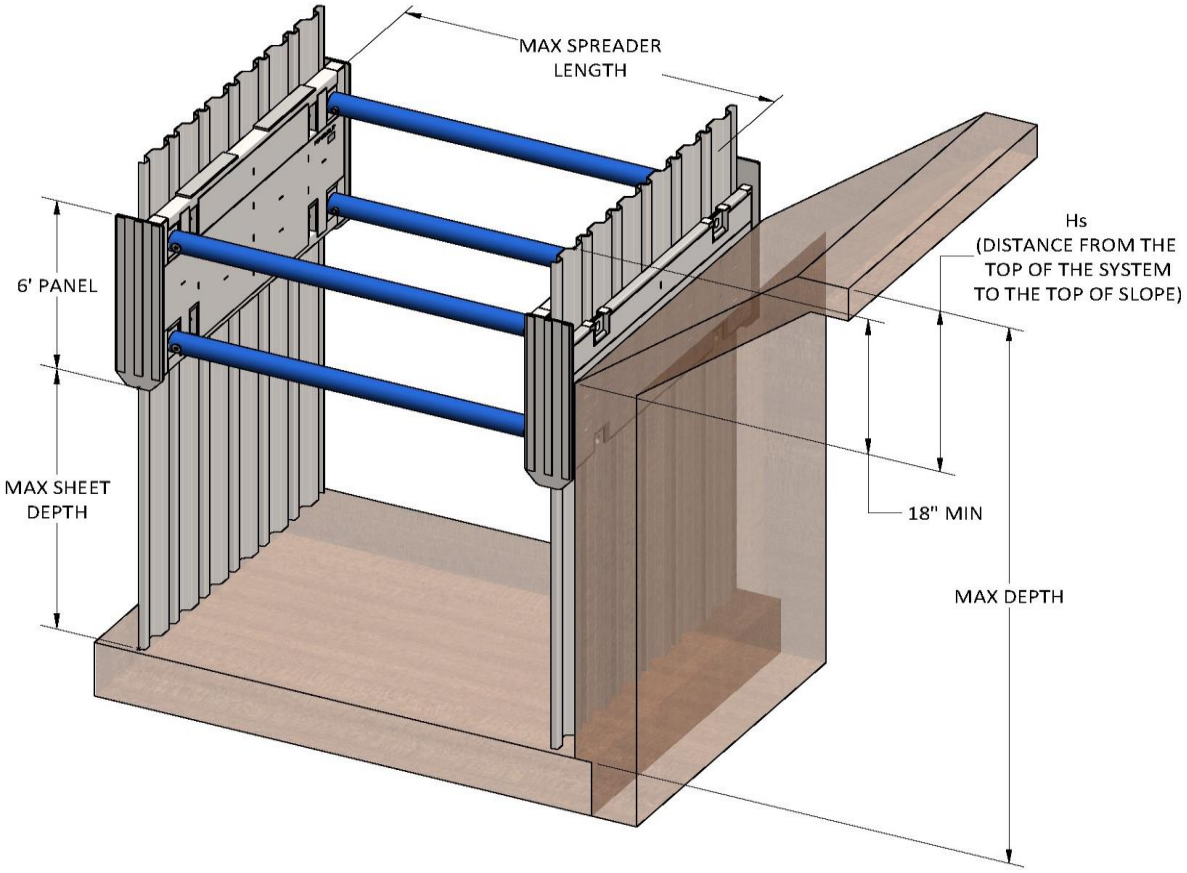
Pacific SHORING
Quality Driven, Lead Time Focused

PGF-KD SYSTEM TABULATED DATA (CANTILEVER SPEC)

5385 Bay Oaks Dr.
Pasadena TX 77505

Model Number:					
	12.GF-612-KD-SBR	Spreader Size:	8" SCH. 80 PIPE	Spread. Pin Diameter:	2"
	12.GF-616-KD-SBR	Spreader Yield :	42 KSI	Pin Yield Strength:	90 KSI
	12.GF-620-KD-SBR	Max Spreader Length:	20'	Manufacture Date:	10/22/2024
	12.GF-624-KD-SBR	Surcharge Pressure (PSF):	0	33% Shoring Use Factor:	YES



ALLOWABLE DEPTH RATINGS FOR GUIDE FRAME USAGE AT SURFACE LEVEL

Serial Numbers:		Soil Type	Max Depth	Max Sheet Depth	Min Sheet Toe-In
		A-25	15'	9'	0'
PS24656	PS24657	B-45	14'	8'	0'
		C-60	13'	7'	0'
		C-80	12'	6'	0'

STATE OF TEXAS
JOE M. TURNER
111152
LICENSED PROFESSIONAL ENGINEER

Signed on: 10/22/2024

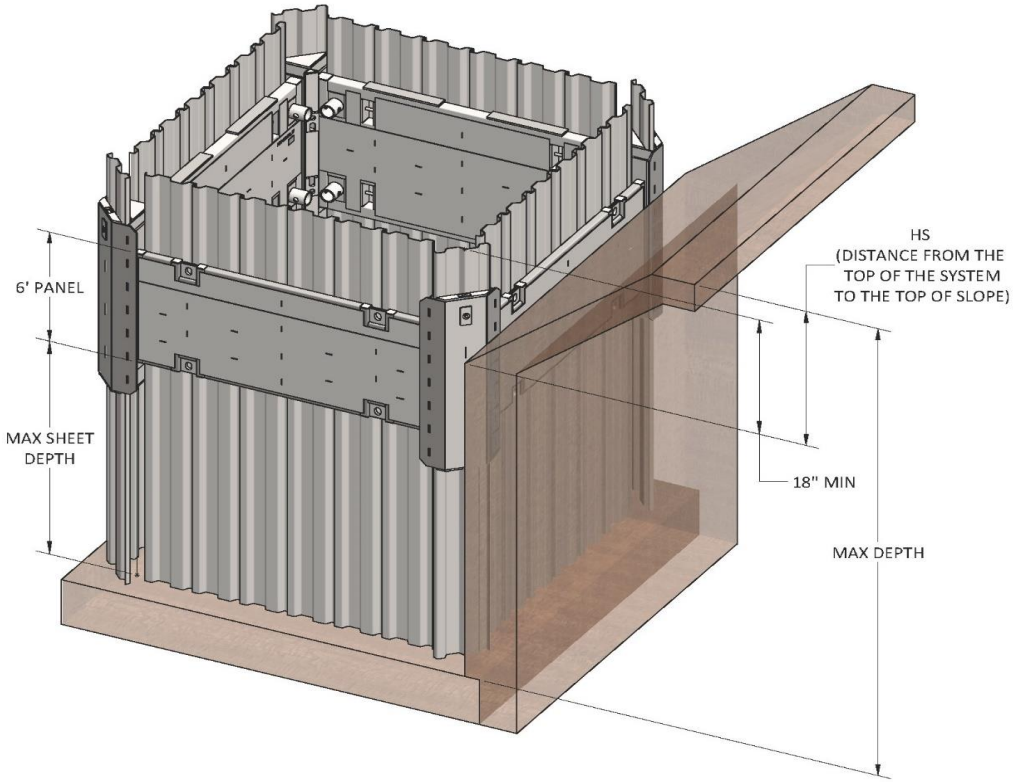
Pacific SHORING
Quality Driven, Lead Time Focused

PGF-KD SYSTEM TABULATED DATA (CANTILEVER SPEC)

5385 Bay Oaks Dr.
Pasadena TX 77505

ALLOWABLE DEPTH RATINGS FOR GUIDE FRAME USAGE BELOW SURFACE LEVEL

Soil Type	Max Depth	Max Sheet Depth	Min Sheet Toe-In	Max Slope	Hs
A-25	15'	9'	0'	3/4 (horiz.) : 1 (vert.)	10.5'
B-45	14'	8'	0'	1 (horiz.) : 1 (vert.)	8.5'
C-60	13'	7'	0'	1.5 (horiz.) : 1 (vert.)	6.5'
C-80	12'	6'	0'	Flat	0'



Sloping & Shoring

1.) "Max Slope" shall not exeed limits outlined in the table for corresponding soil types.
2.) If "Max Depth" is 20' or less, slope and shore per OSHA guidelines.
3.) If "Max Depth" exceeds 20', slope angle shall not exceed "Max Slope", and distance from top of system to the top of the slope shall not exceed "Hs", as outlined in table for corresponding soil types.

Surcharge Pressure (PSF):	0

1.) All equipment and materials shall be kept a sufficient distance clear of the shoring, as directed by a licensed Professional Engineer, to ensure this surcharge limit is not exceeded.
2.) Surcharge loads have not been included in the above ratings. The allowable depth rating must be reduced to account for any surcharge loading that may influence the system, otherwise site specific engineering is required.

STATE OF TEXAS
JOE M. TURNER
111152
LICENSED PROFESSIONAL ENGINEER

Signed on: 10/22/2024

Pacific SHORING
Quality Driven, Lead Time Focused

PGF-KD SYSTEM TABULATED DATA (CANTILEVER SPEC)

5385 Bay Oaks Dr.
Pasadena TX 77505

NOTES & LIMITATIONS

1.) This document has been prepared by a Registered Professional Engineer (P.E.), as required by OSHA standard 29 CRF, Part 1926, Subpart P.
2.) This tabulated data is for the specific use of KD VI/8 sheeting and the Pacific Shoring Products PGF Sheeting Guide Frame system.
3.) Sheeting shall be ASTM A572 with minimum yield 50 KSI. KD VI/8 sheeting has a section modulus of 4.5 in/ft.
4.) The system must be used in strict compliance with all applicable OSHA guidelines, and limitations outlined in this document. Failure to do so can result in serious injury or death.
5.) Soil shall be classified by a Competent Person as type A, B, C, as defined by OSHA regulations.
6.) The competent person must ensure the surcharge limits and equipment setbacks are maintained at all times, unless approved in writing by a P.E. Surcharge loads occur due to heavy equipment, vibrations, or spoil piles and are not included in the maximum depth tables.
7.) Soils shall be sloped in accordance with OSHA Subpart P., and the sheeting shall extend a minimum of 18" above the PGF Sheeting Guide Frame when utilized in conjunction with sloping and benching.
8.) Sheeting Guide Frames shall be used under the supervision and direction of a Competent Person, who is educated and trained in the proper use and installation of Sheeting Guides and has experience in the field with trenching and excavation practices, OSHA soil type classification, and recognizing hazardous conditions.
9.) The system shall be inspected prior to each use and monitored daily and when changes in jobsite conditions require to ensure structural sound condition. Any significant damage or alteration to the system without written approval from Pacific Shoring will void this data and all manufacturers' warranty.
10.) Damages to the system shall be evaluated and repaired under the direction of a Registered Professional Engineer. Missing or damaged components shall be replaced with Pacific Shoring Product's genuine parts.
11.) All spreaders shall be secured to sockets with pins or other mechanical connections approved by the manufacturer, prior to shield use. Do not apply side or vertical load to the spreaders at any time such as leaning plates/sheeting for soil support, unless approved in writing by a Registered Professional Engineer (P.E.)
12.) The groundwater level must be maintained at or below the base of the excavation at all times. If dewatering system is necessary to achieve this, it is the contractor's responsibility for developing, installing, and monitoring the dewatering system, and verifying that the groundwater level behind the shoring walls has been lowered at least to the base of the excavation at all times.

INSTRUCTIONS FOR USE OF THE SHEETING GUIDE FRAME SYSTEM

1.) The system shall be installed in a manner to prevent lateral or otherwise hazardous movement. It is imperative that active soil pressure is applied to the Guide Frame panels prior to driving sheeting elements.
2.) Excavate the trench 4 feet deep before positioning Guide Frame in to the trench. Excavate under Guide Frame and push top of frame until the Guide Frame is installed down to a maximum of 6 feet.
3.) The sheeting shall be installed into the frames from left to right or from right to left, failure to due so will result in large gaps at the ends of the frames. When using corner posts ensure to use the appropriate sheeting in conjuntion with a minimum section modulus of 4.5 in/ft.
4.) Two sided linear applications require the use of two 8" Schedule 80 spreader pipes at each end with 2" diameter pins at minimum 90 ksi yield strength.
5.) Four sided pit applications require the use of PGF Corner Adapters supplied by Pacific Shoring to connect Guide Frame panels.
6.) Three sided applications require the use of PGF Corner Adapters to connect mating Guide Frame panels and two 8" Schedule spreader pipes at the opened end with 2" diameter pins at minimum 90 ksi yield strength.
7.) If different length panels are used in combination always default to the lower of the two depth ratings unless otherwise stated by a registered engineer in writing.
8.) Sheeting shall be driven into the bottom of the excavation per the values in the tables and soil shall have enough strength and stability to provide adequate support at the bottom of the excavation.
9.) When Sheet Piling is placed directly above a crossing utility, Sheet Piling must be secured over crossing utility.
10.) Do not apply side load to the spreaders at any time (such as leaning plates for soil support), unless approved in writing by P.E.
11.) Do not rig the spreaders when moving the PGF Sheeting Guide Frame System as a whole.
12.) The Sheeting Guide system is not intended to provide stability to adjacent buildings or other structures.
13.) Any applications that exceed the allowed parameters will void this tabulated data.
14.) Modificiations of any kind to this Sheeting Guide Frame system without approval in writing from Pacific Shoring Products will void this tabulated data.