

6' high x 20' long stacker section, 4" wall box, 1987 TRENCH SHIELD #3

EFFICIENCY PRODUCTION, INC. P.O. BOX 24126 LANSING, MI 48909 PHONE 517-349-4620 EFFICIENCY TRENCH SHIELD

MODEL 620 XLD (SS) SERIAL NUMBER 101641

REFERENCE TO OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION RULES AND REGULATIONS, VOL. 54, NO. 209, 10-31-89, PART 1926, SUBPART P

SHIELD SIZE			PSF RATING			MAXIMUM ALLOWABLE DEPTH OF CUT- FEET		
						SOIL TYPE TO BE EXCAVATED		
HEIGHT FEET	LENGTH FEET	MAXIMUM LATERAL EARTH PRESSURE CAPACITY AT TRENCH BOTTOM IN POUNDS PER SQUARE FOOT	MOIST SOIL 30 PSF PER FOOT OF DEPTH	WET MUCKY SOIL 50 PSF PER FOOT OF DEPTH	HYDROSTATIC PRESSURE- SUBMERGED SOIL 82 PSF PER FOOT OF DEPTH			
6'	20'	488#	16'	9'	5'			

LIMITATIONS IN USE OF TABLE

TRENCH SHIELD TO BE ASSEMBLED AND INSTALLED AS SHOWN AND IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

BANK ABOVE TOP OF SHIELD TO BE LAID BACK ACCORDING TO OSHA REGULATIONS.

SOILS YIELDING LATERAL EARTH PRESSURES EXCEEDING THOSE TABULATED REQUIRE VERIFICATION BY A SOILS ENGINEER.

CONSULT MANUFACTURER WHEN BOTTOM OF SHIELD IS NOT AT TRENCH BOTTOM.

IF DEWATERING WITH WELLS OR WELL POINTS AND WATER TABLE IS AT OR BELOW TRENCH BOTTOM ADJUST SOILS CLASSIFICATION.

ADDITIONAL SHIELDS MAY BE STACKED WITH NO PENALTY IN DEPTH OF CUT.

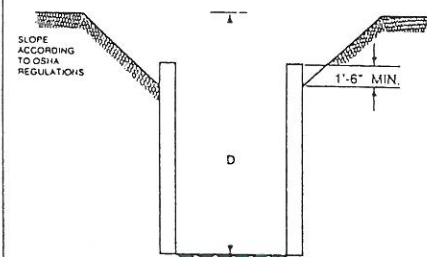
DEPTHS OF CUTS SHOWN ARE BASED ON EXAMPLES OF VARIOUS SOIL CONDITIONS. VERIFY ACTUAL SOIL PRESSURES PRIOR TO EACH USE.

ANY MODIFICATIONS OR ALTERATIONS NOT ALLOWED UNLESS APPROVED IN WRITING BY EFFICIENCY PRODUCTION, INC.

DESCRIPTION
MOIST FINE SAND, SAND-GRAVEL OR CLAY SOILS WITH LIQUID PRESSURE NOT EXCEEDING 30 PSF PER FOOT OF DEPTH

DESCRIPTION
WET MUCKY CLAY- SILT SOILS WITH LIQUID PRESSURE NOT EXCEEDING 50 PSF PER FOOT OF DEPTH

DESCRIPTION
SATURATED MUCK, SILT, SAND-GRAVEL OR CLAY SOILS WITH LIQUID PRESSURE NOT EXCEEDING 82 PSF PER FOOT OF DEPTH



CERTIFIED BY:

McCLURG & ASSOCIATES, INC. CONSULTING ENGINEERS
FEBRUARY 15, 1990

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ALL RIGHTS RESERVED

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENT NUMBERS:
4,090,365-4,114,383-4,259,028
ONE OR MORE OF THE FOLLOWING CANADIAN PATENT NUMBERS: 1,062,683-1,062,684

USE THIS PRODUCT ONLY IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, OR LOCAL LAWS

NOKE

Any use of this product not specifically described in the attached certification plate could cause cave-in, collapse, or structural failure resulting in death or serious injury.

4' high x 20' long stacker section, 6" wall box, 1988-used Trench SHIELD #4

EFFICIENCY PRODUCTION, INC. P.O. BOX 24126 LANSING, MI 48909 PHONE 517-349-4620 EFFICIENCY TRENCH SHIELD

MODEL 420 HT6 SERIAL NUMBER N/A

REFERENCE TO OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION RULES AND REGULATIONS, VOL. 54, NO. 209, 10-31-89, PART 1926, SUBPART P

SHIELD SIZE			PSF RATING			MAXIMUM ALLOWABLE DEPTH OF CUT- FEET		
						SOIL TYPE TO BE EXCAVATED		
HEIGHT FEET	LENGTH FEET	MAXIMUM LATERAL EARTH PRESSURE CAPACITY AT TRENCH BOTTOM IN POUNDS PER SQUARE FOOT	MOIST SOIL 30 PSF PER FOOT OF DEPTH	WET MUCKY SOIL 50 PSF PER FOOT OF DEPTH	HYDROSTATIC PRESSURE- SUBMERGED SOIL 82 PSF PER FOOT OF DEPTH			
4'	20'	660#	22'	13'	7'			

LIMITATIONS IN USE OF TABLE

1. TRENCH SHIELD TO BE ASSEMBLED AND INSTALLED AS SHOWN AND IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

2. BANK ABOVE TOP OF SHIELD TO BE LAID BACK ACCORDING TO OSHA REGULATIONS.

3. SOILS YIELDING LATERAL EARTH PRESSURES EXCEEDING THOSE TABULATED REQUIRE VERIFICATION BY A SOILS ENGINEER.

4. CONSULT MANUFACTURER WHEN BOTTOM OF SHIELD IS NOT AT TRENCH BOTTOM.

5. KNIFE EDGE EMBEDMENT REQUIRED WHEN SUPPLIED UNLESS NOTED OTHERWISE.

6. KNIFE EDGE EMBEDMENT REQUIRED FOR ALL SHIELD DESIGNS WITH HYDROSTATIC PRESSURE.

7. IF DEWATERING WITH WELLS OR WELL POINTS AND WATER TABLE IS AT OR BELOW TRENCH BOTTOM ADJUST SOILS CLASSIFICATION.

8. ADDITIONAL SHIELDS MAY BE STACKED WITH NO PENALTY IN DEPTH OF CUT.

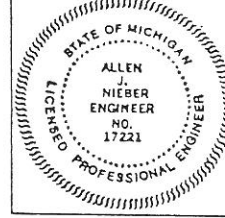
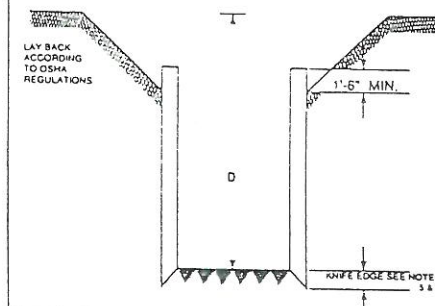
9. DEPTHS OF CUTS SHOWN ARE BASED ON EXAMPLES OF VARIOUS SOIL CONDITIONS. VERIFY ACTUAL SOIL PRESSURES PRIOR TO EACH USE.

10. ANY MODIFICATIONS OR ALTERATIONS NOT ALLOWED UNLESS APPROVED IN WRITING BY EFFICIENCY PRODUCTION, INC.

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DESCRIPTION
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