

high x 20' long knife bottom, 4" wall, 1989

TRENCH SHIELD #5

EFFICIENCY PRODUCTION, INC.		P.O. BOX 24126 LANSING, MI 48909 PHONE 517-349-4620		EFFICIENCY TRENCH SHIELD	
MODEL 820 XLDF		SERIAL NUMBER 102884			
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 D		
			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
8'	20'	600#	20'	12'	7'
LIMITATIONS IN USE OF TABLE			DESCRIPTION		
<ul style="list-style-type: none">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.			MOIST FINE SAND, SAND-GRAVEL OR CLAY SOILS WITH LIQUID PRESSURE NOT EXCEEDING 30 PSF PER FOOT OF DEPTH		
			WET MUCKY CLAY-SILT SOILS WITH LIQUID PRESSURE NOT EXCEEDING 50 PSF PER FOOT OF DEPTH		
			SATURATED MUCK, SILT, SAND-GRAVEL OR CLAY SOILS WITH LIQUID PRESSURE NOT EXCEEDING 82 PSF PER FOOT OF DEPTH		
CERTIFIED BY:			CERTIFIED BY:		
McCLURG & ASSOCIATES, INC. CONSULTING ENGINEERS FEBRUARY 15, 1990			McCLURG & ASSOCIATES, INC. CONSULTING ENGINEERS FEBRUARY 15, 1990		
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			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			USE THIS PRODUCT ONLY IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, OR LOCAL LAWS		
STD			STD		

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.

8' high x 20' long, knife bottom, 6" wall box, 1989

TRENCH SHIELD #6

EFFICIENCY PRODUCTION, INC.		P.O. BOX 24126 LANSING, MI 48909 PHONE 517-349-4620		EFFICIENCY TRENCH SHIELD	
MODEL 820 HT6F		SERIAL NUMBER 103228			
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 D		
			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 SC 82 PSF PER FOOT OF DEPT
8'	20'	900#	30'	18'	11'
LIMITATIONS IN USE OF TABLE			DESCRIPTION		
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			SATURATED MUCK, SILT, SAND-GRAVEL OR CLAY SOILS WITH LIQUID PRESSURE NOT EXCEEDING 82 PSF PER FOOT OF DEPTH		
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USE THIS PRODUCT ONLY IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, OR LOCAL LAWS			USE THIS PRODUCT ONLY IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, OR LOCAL LAWS		

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