

# 1 / 가 < > 가 (1) + 125KW(1) 1. - 1 Tc = (Ts + Ta)/F Tc : 1 () Ts : 1 () Ta : 1 () F : N = 1,500 / 50 () :M N . L1 = 7.5 M , N1 = 15 . L2 = 0.0 M , N2 = 0 . L3 = 0.0 M , N3 = 0 . L4 = 1.0 M , Qu1 = 50 . L5 = 0.0 M , Qu2 = 0 SHEET PILE : L = 7.5+0+0+1+0=8.50 m Ts = 15.0 MIN Ta = r* L* k =? MIN r : () r1 = 0.03 * N1 + 2.5 = 2.95 /M r2 = 0.05 * N2 + 2.5 = 2.50 /M r3 = 0.03 * N3 + 2.5 = 2.50 /M r4 = 0.07 * Qu1 + 2.5 = 6.00 /M r = (2.95 * 7.5 + 2.5 * 0+ 2.5 * 0 + 6 * 1) / 8.5 = 3.31 k : k = 1.10 Ta =3.31* 8.5* 1.1 =30.95 MIN F = Fo + (f1 + f2 + f3 + f4) F : f1 :	22,442	59,268	92,015	173,725	#.1

<div><div>f2 :</div><div>f3 :</div><div>f4 :</div><div>Fo = 1.0 , f1 = 0.05 , f2 = 0.05</div><div>f3 = 0.05 , f4 = 0.0</div><div>F = Fo + f1 + f2 + f3 + f4 = 1.15</div><div>Tc = (Ts+Ta)/F =39.96 MIN/</div><div>Q = 60 / Tc =1.50 /HR</div><div>Q1=1/Q * 1 = 0.6666 HR/</div><div>1. 가</div><div>: 1 * 10,939.68 * 0.6666 = 7,292.3 /</div><div>: 1 * 31,751 * 0.6666 = 21,165.2 /</div><div>: 1 * 131,002 * 0.6666 = 87,325.9 /</div><div>2. (125KW)</div><div>: 1 * 22,726.8 * 0.6666 = 15,149.6 /</div><div>: 1 * 12,438 * 0.6666 = 8,291.1 /</div><div>: 1 * 7,035 * 0.6666 = 4,689.5 /</div><div>3.</div><div>:</div><div>2 / 8 HR * 0.6666 * 1 *93,650= 15,606.7 /</div><div>:</div><div>2 / 8 HR * 0.6666 * 1 *50,683= 8,446.3 /</div><div>:</div><div>1 / 8 HR * 0.6666 * 1 *69,109= 5,758.5 /</div></div>	<div>7,292.3</div> <div>15,149.6</div> <div>15,606.7</div> <div>8,446.3</div> <div>5,758.5</div> <div>22,441.9</div> <div>22,442</div>	<div>21,165.2</div> <div>8,291.1</div> <div>15,606.7</div> <div>8,446.3</div> <div>5,758.5</div> <div>59,267.8</div> <div>59,268</div>	<div>87,325.9</div> <div>4,689.5</div> <div>15,606.7</div> <div>8,446.3</div> <div>5,758.5</div> <div>92,015.4</div> <div>92,015</div>	<div>7,292.3</div> <div>21,165.2</div> <div>87,325.9</div> <div>15,149.6</div> <div>8,291.1</div> <div>4,689.5</div> <div>15,606.7</div> <div>8,446.3</div> <div>5,758.5</div> <div>173,725.1</div> <div>173,725</div>	<div>E65500045</div> <div>E65500045</div> <div>E65500045</div> <div>E75050125</div> <div>E75050125</div> <div>E75050125</div> <div>L015</div> <div>L085</div> <div>L080</div>

# 2 SHEET PILE () /	6,181	15,159	11,976	33,316	#.2
Tc = ((0.75 + r x Nmax) x L + a) x K / F (min/)					
a,r : L : (M) F : Nmax: N K : SHEET PILE					
Fo = 1.0 . : f1=0.05 . : f2=0.05 . : f3=0.05 F = Fo + (f1 + f2 + f3) = 1.15					
30 kw 45 kw 60kw a K a K a K SP-III 3.24 1.11 3.87 0.93 4.34 0.83 SP-IIIA 2.71 1.33 3.24 1.11 3.60 1.00 SP- IV - - 3.05 1.18 3.43 1.05 r 0.00					
.SHEET PILE (): L = 8.50 m . N : Nmax = 50 K = 1.05 a = 3.43 r = 0.00 Tc = ((0.75 + r * Nmax) * L + a) * K / F = 8.95					
(1) . (45 kw) : 1 . () (40 ton) : 1 . (150 kw) : 1 . (20 ton) : 1 (60 %)					
(2) . : 2 . : 1 . : 1 . : 1					
(3) 1) (45 kw) . : 17,066 * Tc / 60 = 2,545.6			2,545.6	2,545.6	E65300045
			2,545.6	2,545.6	
2) (40 ton) . : 10,939.68 * Tc / 60 = 1,631.8	1,631.8			1,631.8	E21010040

. : 31,751 * Tc / 60 = 4,736.1		4,736.1		4,736.1	E21010040
. : 31,913 * Tc / 60 = 4,760.3			4,760.3	4,760.3	E21010040
	1,631.8	4,736.1	4,760.3	11,128.2	
3) (150 kw)					
. : 26,886.96 * Tc / 60 = 4,010.6	4,010.6			4,010.6	E75050150
. : 12,438 * Tc / 60 = 1,855.3		1,855.3		1,855.3	E75050150
. : 7,221 * Tc / 60 = 1,077.1			1,077.1	1,077.1	E75050150
	4,010.6	1,855.3	1,077.1	6,943	
4) (20 ton) (60 %)					
. : 6,024.52 * Tc / 60 * 0.6 = 539.1	539.1			539.1	E21040020
. : 31,751 * Tc / 60 * 0.6 = 2,841.7		2,841.7		2,841.7	E21040020
. : 40,147 * Tc / 60 * 0.6 = 3,593.1			3,593.1	3,593.1	E21040020
	539.1	2,841.7	3,593.1	6,973.9	
(4)					
. : 93,650 * Tc / 60 / 8 * 2 = 3,492.3		3,492.3		3,492.3	L015
. : 50,683 * Tc / 60 / 8 * 1 = 945.0		945		945	L085
. : 69,109 * Tc / 60 / 8 * 1 = 1,288.5		1,288.5		1,288.5	L081
		5,725.8		5,725.8	
	6,181.5	15,158.9	11,976.1	33,316.5	
	6,181	15,159	11,976	33,316	