

<p># 1 WATER JET /</p>	47,602	52,033	86,100	185,735	#.1
<p>Tc = (To x a) / F (min/)</p>					
<p>Tc : PILE 1 ()</p>					
<p>To : PILE 1 ()</p>					
<p>a :</p>					
<p>F :</p>					
<p>Fo = 0.95</p>					
<p>. : f1=0.0</p>					
<p>. : f2=0.0</p>					
<p>. : f3=0.0</p>					
<p>. : f4=0.0</p>					
<p>F = Fo + (f1 + f2 + f3 + f4) = 0.95</p>					
<p>N = 1,500 / 50 ()</p>					
<p>. : a :M N</p>					
<p>. 0.60 L1 = 3.1 M , N1= 30</p>					
<p>. 0.70 L2 = 0.0 M , N2= 00</p>					
<p>. 0.80 L3 = 0.0 M , N3 = 0</p>					
<p>. 1.00 L4 = 1.0 M , N4 = 300</p>					
<p>. 1.20 L5 = 0.0 M , N5 = 0</p>					
<p>.SHEET PILE : L = 3.1+0+0+1+0=4.10 m</p>					
<p>. : a= (0.6*L1+0.7*L2+0.8*L3+1.0*L4+1.2*L5) / 4.1 = 0.70</p>					
<p>가 N</p>					
<p>N = (N1*L1 + N2*L2 + N3*L3 + N4*L4 + N5*L5) / 4.1 = 95.85</p>					
<p>Tom= (0.05 * L * (N + 42.5) + 9.6) = 37.96 (min/M)</p>					
<p>N : 가 N</p>					
<p>L : (m)</p>					
<p>Tc = (Tom * a) / F = 27.97 (min/)</p>					
<p>. L 12 12 L 16 16 L 22 22 L 30</p>					
<p>30kw 35 35 125kw</p>					
<p>45kw 35 35 150kw</p>					
<p>60kw 40 40 40 250kw</p>					
<p>90kw 50 50 50 70 350kw</p>					
<p>120kw 70 80 80 450kw</p>					
<p>. (60 kw) : 1</p>					
<p>.WATER JET (131 PS x 1) : 2</p>					
<p>. (40 ton) : 1</p>					
<p>. (250 kw) : 1</p>					

.	(20 ton) : 1				
.	(60 %)				
.	(300 A) : 1				
.	(60 %)				
(2)					
.	: 2				
.	: 1				
.	: 1				
.	: 1				
(3)					
1)					
.	: $21,913 * Tc / 60 = 10,215.1$			10,215.1	10,215.1 E65300060
				10,215.1	10,215.1
2) WATER JET					
.	: $21,186 * Tc * 2 / 60 = 19,752.4$	19,752.4			19,752.4 E65400131
.	: $41,513 * Tc * 2 / 60 = 38,703.9$			38,703.9	38,703.9 E65400131
		19,752.4		38,703.9	58,456.3
3)					
.	: $10,939.68 * Tc / 60 = 5,099.7$	5,099.7			5,099.7 E21010040
.	: $31,751 * Tc / 60 = 14,801.2$		14,801.2		14,801.2 E21010040
.	: $31,913 * Tc / 60 = 14,876.7$			14,876.7	14,876.7 E21010040
		5,099.7	14,801.2	14,876.7	34,777.6
4)					
.	: $44,760.24 * Tc / 60 = 20,865.7$	20,865.7			20,865.7 E75050250
.	: $12,438 * Tc / 60 = 5,798.1$		5,798.1		5,798.1 E75050250
.	: $12,173 * Tc / 60 = 5,674.6$			5,674.6	5,674.6 E75050250
		20,865.7	5,798.1	5,674.6	32,338.4
5)	(20 ton)				
(60 %)					
.	: $6,024.52 * Tc / 60 * 0.6 = 1,685.0$	1,685			1,685 E21040020
.	: $31,751 * Tc / 60 * 0.6 = 8,880.7$		8,880.7		8,880.7 E21040020
.	: $40,147 * Tc / 60 * 0.6 = 11,229.1$			11,229.1	11,229.1 E21040020
		1,685	8,880.7	11,229.1	21,794.8
6-1)	(300 A) (60 %)				
.	: $93 * Tc / 60 * 0.6 = 26.0$			26	26 E76110300
				26	26
6-2)	(fillet 6 mm)				
(SHEET PILE 10 %)					
.	: $488 * (L / 10) = 200.0$	200			200
		200			200

7)	(+ WATER JET 9 %)				
.	: $45,080 * Tc / 60 * 0.09 = 1,891.3$			1,891.3	1,891.3 E65300120
.	: $41,513 * Tc * 2 / 60 * 0.09 = 3,483.3$			3,483.3	3,483.3 E65400131
				5,374.6	5,374.6
(4)					
.	: $93,650 * Tc / 60 / 8 * 2 = 10,914.1$		10,914.1	10,914.1	L015
.	: $50,683 * Tc / 60 / 8 * 1 = 2,953.3$		2,953.3	2,953.3	L085
.	: $69,109 * Tc / 60 / 8 * 1 = 4,027.0$		4,027	4,027	L081
.	: $79,947 * Tc / 60 / 8 * 1 = 4,658.5$		4,658.5	4,658.5	L114
			22,552.9	22,552.9	
		47,602.8	52,032.9	86,100	185,735.7
		47,602	52,033	86,100	185,735

<p># 2 /</p> <p>가</p> <p>< ></p> <p>가 (1) + 125KW(1)</p> <p>1.</p> <p>- 1</p> <p>$T_c = (T_s + T_a)/F$</p> <p>Tc : 1 ()</p> <p>Ts : 1 ()</p> <p>Ta : 1 ()</p> <p>F :</p> <p>$N = 1,500 / 50 ()$</p> <p>:M N</p> <p>. L1 = 3.1 M , N1 = 30</p> <p>. L2 = 0.0 M , N2 = 0</p> <p>. L3 = 0.0 M , N3 = 0</p> <p>. L4 = 1.0 M , Qu1 = 30</p> <p>. L5 = 0.0 M , Qu2 = 0</p> <p>SHEET PILE : L = 3.1+0+0+1+0=4.10 m</p> <p>Ts = 15.0 MIN</p> <p>Ta = r * L * k =? MIN</p> <p>r : ()</p> <p>r1 = 0.03 * N1 + 2.5 = 3.40 /M</p> <p>r2 = 0.05 * N2 + 2.5 = 2.50 /M</p> <p>r3 = 0.03 * N3 + 2.5 = 2.50 /M</p> <p>r4 = 0.07 * Qu1 + 2.5 = 4.60 /M</p> <p>$r = (3.4 * 3.1 + 2.5 * 0 + 2.5 * 0 + 4.6 * 1) / 4.1 = 3.69$</p> <p>k :</p> <p>k = 1.10</p> <p>Ta = 3.69 * 4.1 * 1.1 = 16.64 MIN</p> <p>F = Fo + (f1 + f2 + f3 + f4)</p> <p>F :</p> <p>f1 :</p>	<p>17,813</p>	<p>47,042</p>	<p>73,035</p>	<p>137,890</p>	<p>#.2</p>

f2 : f3 : f4 : $F_0 = 1.0$, $f_1 = 0.0$, $f_2 = 0.0$ $f_3 = 0.0$, $f_4 = 0.0$ $F = F_0 + f_1 + f_2 + f_3 + f_4 = 1.00$ $T_c = (T_s + T_a) / F = 31.64$ MIN/ $Q = 60 / T_c = 1.89$ /HR $Q_1 = 1 / Q * 1 = 0.5291$ HR/									
1.	가								
	:	1	* 10,939.68 * 0.5291 = 5,788.1 /	5,788.1			5,788.1	E65500045	
	:	1	* 31,751 * 0.5291 = 16,799.4 /		16,799.4		16,799.4	E65500045	
	:	1	* 131,002 * 0.5291 = 69,313.1 /			69,313.1	69,313.1	E65500045	
2.	(125KW)								
	:	1	* 22,726.8 * 0.5291 = 12,024.7 /	12,024.7			12,024.7	E75050125	
	:	1	* 12,438 * 0.5291 = 6,580.9 /		6,580.9		6,580.9	E75050125	
	:	1	* 7,035 * 0.5291 = 3,722.2 /			3,722.2	3,722.2	E75050125	
3.									
	:								
	:	2	/ 8 HR * 0.5291 * 1 * 93,650 = 12,387.5 /		12,387.5		12,387.5	L015	
	:								
	:	2	/ 8 HR * 0.5291 * 1 * 50,683 = 6,704.0 /		6,704		6,704	L085	
	:								
	:	1	/ 8 HR * 0.5291 * 1 * 69,109 = 4,570.6 /		4,570.6		4,570.6	L080	
				17,812.8	47,042.4	73,035.3	137,890.5		
				17,813	47,042	73,035	137,890		