

# FACTORING LABOR UNITS

## Labor Unit Make-up

1. Actual Installation	69%
2. Non-Productive	2.5%
3. Study Plans	2.5%
4. Material Procurement	2.5%
5. Receiving & Storage	2.0%
6. Mobilization	5.0%
7. Layout	6.0%
8. Clean-up	2.0%
9. Punch List	5.0%
10. Coffee Breaks	3.5%

## Factor for Building Height

Add 1% to 2% per floor

## Breakers in the Same Distribution Equipment

	DEDUCT	MULT
3 > 5	10%	.90
6 > 10	20%	.80
over 10	25%	.75

## Fixtures in Same Concentrated Area

	DEDUCT	MULT
25 > 50	15%	.85
51 > 75	20%	.80
76 > 100	25%	.75
over 100	30%	.70

## Bus Duct in One Area

	DEDUCT	MULT
100' > 200'	10%	.90
201' > 300'	15%	.85
301' > 500'	20%	.80
over 500'	25%	.75

## Parallel Conduit Runs

	DEDUCT	MULT
2-cond	10%	.90
3-cond	15%	.85
4-cond	20%	.80
5-cond	25%	.75
over 5-cond	30%	.70

## Conductors in a Raceway

	DEDUCT	MULT
2 > 3	20%	.80
4 > 5	35%	.65
6 > 7	45%	.55
over 7	50%	.50

Deduct from above Labor

	DEDUCT	MULT
over 100'	10%	.90
over 200'	15%	.85
over 300'	20%	.80

## Devices, Boxes & Equipment in Same Concentrated Area

	DEDUCT	MULT
10 > 25	20%	.80
26 > 50	25%	.75
51 > 100	30%	.70
over 100	35%	.65

## Fixtures, Conduit & Equipment Elevations

	ADD	MULT
10' > 15'	5%	1.05
15' > 20'	10%	1.10
21' > 25'	20%	1.20
26' > 30'	25%	1.25
31' > 35'	30%	1.30
36' > 40'	40%	1.40
over 40	50%	1.50

# DECIMAL EQUIVALENTS OF MINUTES

## MINUTES 100THS 1000THS

0	.00	.000
1	.02	.017
2	.03	.033
3	.05	.050
4	.07	.067
5	.08	.083
6	.10	.100
7	.12	.117
8	.13	.133
9	.15	.150
10	.17	.167
11	.18	.183
12	.20	.200
13	.22	.217
14	.23	.233
15	.25	.250
16	.27	.267
17	.28	.283
18	.30	.300
19	.32	.317
20	.33	.333
21	.35	.350
22	.37	.367
23	.38	.383
24	.40	.400
25	.42	.417
26	.43	.433
27	.45	.450
28	.47	.467
29	.48	.483

## MINUTES 100THS 1000THS

30	.50	.500
31	.52	.517
32	.53	.533
33	.55	.550
34	.57	.567
35	.58	.583
36	.60	.600
37	.62	.617
38	.63	.633
39	.65	.650
40	.67	.667
41	.68	.683
42	.70	.700
43	.72	.717
44	.73	.733
45	.75	.750
46	.77	.767
47	.78	.783
48	.80	.800
49	.82	.817
50	.83	.833
51	.85	.850
52	.87	.867
53	.88	.883
54	.90	.900
55	.92	.917
56	.93	.933
57	.95	.950
58	.97	.967
59	.98	.983