Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kgf	FY kgf	FZ kgf	MX kgf-m	MY kgf-m	MZ kgf-m
Base	392	1083	0.75(1.4D+1.7L)+EQY	Combination	Max	380.48	1972.35	100752.22	0	0	0
Base	392	1083	0.75(1.4D+1.7L)+EQY	Combination	Min	-166.24	-12794.69	77242.54	0	0	0
Base	392	1083	0.9D+EQX	Combination	Max	1743.05	-883.33	42948.17	0	0	0
Base	392	1083	0.9D+EQX	Combination	Min	-1698.8	-3058.15	39053.26	0	0	0
Base	392	1083	0.9D+EQY	Combination	Max	295.49	5412.79	52755.56	0	0	0
Base	392	1083	0.9D+EQY	Combination	Min	-251.23	-9354.26	29245.87	0	0	0
Base	392	1083	D+L	Combination		88.36	-4630.47	77841.22	0	0	0
Base	392	1083	D+0.75L+0.75 WX	Combination		69.07	-4018.92	69817.61	0	0	0
Base	392	1083	D+0.75L+0.75 WY	Combination		72.22	-4016.07	69762.08	0	0	0
Base	392	1083	D+0.75L+0.75(0.7EQX)	Combination	Max	975.9	-3449.39	70792.42	0	0	0
Base	392	1083	D+0.75L+0.75(0.7EQX)	Combination	Min	-831.07	-4591.17	68747.59	0	0	0
Base	392	1083	D+0.75L+0.75(0.7EQY)	Combination	Max	215.93	-143.83	75941.3	0	0	0
Base	392	1083	D+0.75L+0.75(0.7EQY)	Combination	Min	-71.1	-7896.63	63598.71	0	0	0
Base	392	1083	D+WX	Combination		20.13	-2187.89	45620.09	0	0	0
Base	392	1083	D+WY	Combination		24.32	-2184.1	45545.79	0	0	0
Base	392	1083	D+0.7EQX	Combination	Max	1229.23	-1428.52	46919.57	0	0	0
Base	392	1083	D+0.7EQX	Combination	Min	-1180.06	-2950.89	44193.13	0	0	0
Base	392	1083	D+0.7EQY	Combination	Max	215.94	2978.76	53784.74	0	0	0
Base	392	1083	D+0.7EQY	Combination	Min	-166.77	-7359.17	37327.96	0	0	0
Base	392	1083	0.6D+WX	Combination		10.29	-1312.01	27397.55	0	0	0
Base	392	1083	0.6D+WY	Combination		14.49	-1308.21	27323.25	0	0	0
Base	392	1083	0.6D+0.7EQX	Combination	Max	1219.4	-552.64	28897.03	0	0	0
Base	392	1083	0.6D+0.7EQX	Combination	Min	-1189.9	-2075.01	25970.59	0	0	0
Base	392	1083	0.6D+0.7EQY	Combination	Max	206.1	3854.64	35582.2	0	0	0
Base	392	1083	0.6D+0.7EQY	Combination	Min	-176.6	-6482.29	19105.42	0	0	0
Base	393	1085	Dead	LinStatic		-61.47	-410.97	10286.5	0	0	0
Base	393	1085	Live	LinStatic		-13.59	77.46	17335.65	0	0	0
Base	393	1085	SDL	LinStatic		-17.79	6.38	-38.09	0	0	0
Base	393	1085	WX	LinStatic		-12.9	2.02	-0.42	0	0	0
Base	393	1085	WY	LinStatic		-0.18	4.48	-1.99	0	0	0
Base	393	1085	EQX	LinRespSpec	Max	9403.98	866.16	381.14	0	0	0
Base	393	1085	EQY	LinRespSpec	Max	508.92	5564.2	2418.86	0	0	0
Base	393	1085	1.4D+1.7L	Combination		-134.07	-434.75	43818.38	0	0	0
Base	393	1085	0.9D+WX	Combination		-84.24	-362.11	9223.15	0	0	0
Base	393	1085	0.9D+WY	Combination		-71.52	-359.65	9221.58	0	0	0
Base	393	1085	0.75(1.4D+1.7L +1.7WX)	Combination		-117.01	-323.48	32883.25	0	0	0
Base	393	1085	0.75(1.4D+1.7L +1.7WY)	Combination		-100.79	-320.34	32861.25	0	0	0
Base	393	1085	0.75(1.4D+1.7L)+EQX	Combination	Max	9303.43	540.1	33244.92	0	0	0
Base	393	1085	0.75(1.4D+1.7L)+EQX	Combination	Min	-9504.54	-1192.22	32482.65	0	0	0

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kgf	FY kgf	FZ kgf	MX kgf-m	MY kgf-m	MZ kgf-m
Base	393	1085	0.75(1.4D+1.7L)+EQY	Combination	Max	408.36	5238.14	35282.84	0	0	0
Base	393	1085	0.75(1.4D+1.7L)+EQY	Combination	Min	-609.47	-5890.26	30444.93	0	0	0
Base	393	1085	0.9D+EQX	Combination	Max	9332.64	502.03	9604.7	0	0	0
Base	393	1085	0.9D+EQX	Combination	Min	-9475.32	-1230.29	8842.43	0	0	0
Base	393	1085	0.9D+EQY	Combination	Max	437.58	5200.07	11642.42	0	0	0
Base	393	1085	0.9D+EQY	Combination	Min	-580.26	-5928.33	6804.71	0	0	0
Base	393	1085	D+L	Combination		-92.86	-327.13	27584.06	0	0	0
Base	393	1085	D+0.75L+0.75 WX	Combination		-99.14	-344.98	23249.83	0	0	0
Base	393	1085	D+0.75L+0.75 WY	Combination		-89.59	-343.13	23248.65	0	0	0
Base	393	1085	D+0.75L+0.75(0.7EQX)	Combination	Max	4847.63	108.24	23450.24	0	0	0
Base	393	1085	D+0.75L+0.75(0.7EQX)	Combination	Min	-5026.55	-801.23	23050.05	0	0	0
Base	393	1085	D+0.75L+0.75(0.7EQY)	Combination	Max	177.72	2574.71	24520.04	0	0	0
Base	393	1085	D+0.75L+0.75(0.7EQY)	Combination	Min	-356.64	-3267.7	21980.25	0	0	0
Base	393	1085	D+WX	Combination		-92.17	-402.57	10247.99	0	0	0
Base	393	1085	D+WY	Combination		-79.45	-400.11	10246.42	0	0	0
Base	393	1085	D+0.7EQX	Combination	Max	6503.52	201.72	10515.2	0	0	0
Base	393	1085	D+0.7EQX	Combination	Min	-6662.05	-1010.9	9961.61	0	0	0
Base	393	1085	D+0.7EQY	Combination	Max	276.97	3490.35	11941.61	0	0	0
Base	393	1085	D+0.7EQY	Combination	Min	-435.51	-4299.53	8555.21	0	0	0
Base	393	1085	0.6D+WX	Combination		-60.46	-240.73	6148.63	0	0	0
Base	393	1085	0.6D+WY	Combination		-47.74	-236.27	6147.06	0	0	0
Base	393	1085	0.6D+0.7EQX	Combination	Max	6535.23	363.56	6415.84	0	0	0
Base	393	1085	0.6D+0.7EQX	Combination	Min	-6630.35	-649.07	5882.25	0	0	0
Base	393	1085	0.6D+0.7EQY	Combination	Max	308.88	3652.18	7842.24	0	0	0
Base	393	1085	0.6D+0.7EQY	Combination	Min	-403.8	-4137.69	4455.85	0	0	0
Base	394	1087	Dead	LinStatic		-23.65	33.89	9933.95	0	0	0
Base	394	1087	Live	LinStatic		25	6.38	17499.55	0	0	0
Base	394	1087	SDL	LinStatic		-9.23	1.73	-0.16	0	0	0
Base	394	1087	WX	LinStatic		-10.5	0.14	0.05	0	0	0
Base	394	1087	WY	LinStatic		-0.13	0.29	0.01	0	0	0
Base	394	1087	EQX	LinRespSpec	Max	8289.29	55.22	16.96	0	0	0
Base	394	1087	EQY	LinRespSpec	Max	344.7	352.88	6.84	0	0	0
Base	394	1087	1.4D+1.7L	Combination		-3.81	60.71	43656.54	0	0	0
Base	394	1087	0.9D+WX	Combination		-40.27	32.2	8940.46	0	0	0
Base	394	1087	0.9D+WY	Combination		-29.9	32.34	8940.42	0	0	0
Base	394	1087	0.75(1.4D+1.7L +1.7WX)	Combination		-16.25	45.72	32742.47	0	0	0
Base	394	1087	0.75(1.4D+1.7L +1.7WY)	Combination		-3.02	45.91	32742.42	0	0	0
Base	394	1087	0.75(1.4D+1.7L)+EQX	Combination	Max	8286.43	100.75	32759.39	0	0	0
Base	394	1087	0.75(1.4D+1.7L)+EQX	Combination	Min	-8292.15	-9.68	32725.43	0	0	0

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kgf	FY kgf	FZ kgf	MX kgf-m	MY kgf-m	MZ kgf-m
Base	394	1087	0.75(1.4D+1.7L)+EQY	Combination	Max	341.84	398.42	32749.24	0	0	0
Base	394	1087	0.75(1.4D+1.7L)+EQY	Combination	Min	-347.56	-307.35	32735.57	0	0	0
Base	394	1087	0.9D+EQX	Combination	Max	8259.52	87.27	8957.39	0	0	0
Base	394	1087	0.9D+EQX	Combination	Min	-8319.06	-23.16	8823.43	0	0	0
Base	394	1087	0.9D+EQY	Combination	Max	314.93	384.94	8947.25	0	0	0
Base	394	1087	0.9D+EQY	Combination	Min	-374.47	-320.83	8933.58	0	0	0
Base	394	1087	D+L	Combination		-8.08	42	27433.34	0	0	0
Base	394	1087	D+0.75L+0.75 WX	Combination		-22.2	40.51	23058.49	0	0	0
Base	394	1087	D+0.75L+0.75 WY	Combination		-14.42	40.62	23058.46	0	0	0
Base	394	1087	D+0.75L+0.75(0.7EQX)	Combination	Max	4337.55	69.39	23067.37	0	0	0
Base	394	1087	D+0.75L+0.75(0.7EQX)	Combination	Min	-4366.21	11.41	23049.54	0	0	0
Base	394	1087	D+0.75L+0.75(0.7EQY)	Combination	Max	166.64	225.67	23062.04	0	0	0
Base	394	1087	D+0.75L+0.75(0.7EQY)	Combination	Min	-195.3	-144.86	23054.66	0	0	0
Base	394	1087	D+WX	Combination		-43.58	35.76	9833.84	0	0	0
Base	394	1087	D+WY	Combination		-33.2	35.91	9833.6	0	0	0
Base	394	1087	D+0.7EQX	Combination	Max	5769.42	74.27	9945.68	0	0	0
Base	394	1087	D+0.7EQX	Combination	Min	-5835.58	-3.04	9921.9	0	0	0
Base	394	1087	D+0.7EQY	Combination	Max	208.21	282.83	9938.56	0	0	0
Base	394	1087	D+0.7EQY	Combination	Min	-274.36	-211.4	9929.01	0	0	0
Base	394	1087	0.6D+WX	Combination		-30.35	21.51	5960.32	0	0	0
Base	394	1087	0.6D+WY	Combination		-19.97	21.66	5960.28	0	0	0
Base	394	1087	0.6D+0.7EQX	Combination	Max	5782.85	60.02	5972.16	0	0	0
Base	394	1087	0.6D+0.7EQX	Combination	Min	-5822.35	-17.28	5948.39	0	0	0
Base	394	1087	0.6D+0.7EQY	Combination	Max	221.44	268.39	5965.06	0	0	0
Base	394	1087	0.6D+0.7EQY	Combination	Min	-261.13	-225.65	5955.49	0	0	0
Base	395	1089	Dead	LinStatic		-58.34	-2.65	9785.75	0	0	0
Base	395	1089	Live	LinStatic		-19.17	-3.02	17393.1	0	0	0
Base	395	1089	SDL	LinStatic		-16.82	-0.35	-31.87	0	0	0
Base	395	1089	WX	LinStatic		-12.47	-0.02	0.55	0	0	0
Base	395	1089	WY	LinStatic		-0.07	-0.04	0.001563	0	0	0
Base	395	1089	EQX	LinRespSpec	Max	9996.89	4.02	11.23	0	0	0
Base	395	1089	EQY	LinRespSpec	Max	306.97	66.23	1.02	0	0	0
Base	395	1089	1.4D+1.7L	Combination		-140.6	-9.33	43223.72	0	0	0
Base	395	1089	0.9D+WX	Combination		-81.91	-2.72	8779.04	0	0	0
Base	395	1089	0.9D+WY	Combination		-69.5	-2.74	8778.5	0	0	0
Base	395	1089	0.75(1.4D+1.7L +1.7WX)	Combination		-121.35	-7.02	32418.46	0	0	0
Base	395	1089	0.75(1.4D+1.7L +1.7WY)	Combination		-105.54	-7.05	32417.79	0	0	0
Base	395	1089	0.75(1.4D+1.7L)+EQX	Combination	Max	9891.43	-2.98	32429.01	0	0	0
Base	395	1089	0.75(1.4D+1.7L)+EQX	Combination	Min	-10102.34	-11.02	32406.56	0	0	0

วิศวกรผู้ออกแบบงานโครงสร้าง
นายสมภพ เงาจินตรักษ์ วย.1754

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kgf	FY kgf	FZ kgf	MX kgf-m	MY kgf-m	MZ kgf-m
Base	395	1089	0.75(1.4D+1.7L)+EQY	Combination	Max	201.52	59.23	32418.61	0	0	0
Base	395	1089	0.75(1.4D+1.7L)+EQY	Combination	Min	-412.42	-73.23	32416.76	0	0	0
Base	395	1089	0.9D+EQX	Combination	Max	9927.45	1.32	8789.73	0	0	0
Base	395	1089	0.9D+EQX	Combination	Min	-10066.33	-6.73	8767.27	0	0	0
Base	395	1089	0.9D+EQY	Combination	Max	237.53	63.53	8779.52	0	0	0
Base	395	1089	0.9D+EQY	Combination	Min	-376.41	-68.93	8777.47	0	0	0
Base	395	1089	D+L	Combination		-96.32	-6.02	27146.99	0	0	0
Base	395	1089	D+0.75L+0.75 WX	Combination		-100.88	-5.28	22799.12	0	0	0
Base	395	1089	D+0.75L+0.75 WY	Combination		-91.58	-5.29	22798.71	0	0	0
Base	395	1089	D+0.75L+0.75(0.7EQX)	Combination	Max	5156.63	-3.15	22804.61	0	0	0
Base	395	1089	D+0.75L+0.75(0.7EQX)	Combination	Min	-5339.9	-7.38	22792.82	0	0	0
Base	395	1089	D+0.75L+0.75(0.7EQY)	Combination	Max	69.63	29.51	22799.25	0	0	0
Base	395	1089	D+0.75L+0.75(0.7EQY)	Combination	Min	-252.69	-40.04	22798.18	0	0	0
Base	395	1089	D+WX	Combination		-89.62	-3.02	9754.43	0	0	0
Base	395	1089	D+WY	Combination		-77.22	-3.04	9753.89	0	0	0
Base	395	1089	D+0.7EQX	Combination	Max	6920.67	-0.19	9761.75	0	0	0
Base	395	1089	D+0.7EQX	Combination	Min	-7074.98	-5.82	9746.03	0	0	0
Base	395	1089	D+0.7EQY	Combination	Max	137.72	43.36	9754.6	0	0	0
Base	395	1089	D+0.7EQY	Combination	Min	-292.03	-49.36	9753.17	0	0	0
Base	395	1089	0.6D+WX	Combination		-58.76	-1.82	5852.88	0	0	0
Base	395	1089	0.6D+WY	Combination		-46.36	-1.84	5852.33	0	0	0
Base	395	1089	0.6D+0.7EQX	Combination	Max	6951.53	1.01	5860.19	0	0	0
Base	395	1089	0.6D+0.7EQX	Combination	Min	-7044.11	-4.62	5844.47	0	0	0
Base	395	1089	0.6D+0.7EQY	Combination	Max	168.58	44.56	5853.05	0	0	0
Base	395	1089	0.6D+0.7EQY	Combination	Min	-261.17	-46.16	5851.62	0	0	0
Base	396	1091	Dead	LinStatic		-24.08	-24.14	9933.89	0	0	0
Base	396	1091	Live	LinStatic		-2.86	0.16	17496.89	0	0	0
Base	396	1091	SDL	LinStatic		-6.52	0.19	-0.09	0	0	0
Base	396	1091	WX	LinStatic		-9.94	0.12	0.03	0	0	0
Base	396	1091	WY	LinStatic		0.02	0.29	-0.003367	0	0	0
Base	396	1091	EQX	LinRespSpec	Max	8812.58	55.89	13.96	0	0	0
Base	396	1091	EQY	LinRespSpec	Max	196.36	357.41	7.44	0	0	0
Base	396	1091	1.4D+1.7L	Combination		-47.72	-33.26	43655.09	0	0	0
Base	396	1091	0.9D+WX	Combination		-37.49	-21.44	8940.45	0	0	0
Base	396	1091	0.9D+WY	Combination		-27.53	-21.27	8940.42	0	0	0
Base	396	1091	0.75(1.4D+1.7L +1.7WX)	Combination		-48.46	-24.79	32741.36	0	0	0
Base	396	1091	0.75(1.4D+1.7L +1.7WY)	Combination		-35.76	-24.57	32741.31	0	0	0
Base	396	1091	0.75(1.4D+1.7L)+EQX	Combination	Max	8776.79	30.95	32755.27	0	0	0
Base	396	1091	0.75(1.4D+1.7L)+EQX	Combination	Min	-8848.37	-60.83	32727.36	0	0	0

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kgf	FY kgf	FZ kgf	MX kgf-m	MY kgf-m	MZ kgf-m
Base	396	1091	0.75(1.4D+1.7L+EQY	Combination	Max	160.57	332.47	32748.76	0	0	0
Base	396	1091	0.75(1.4D+1.7L+EQY	Combination	Min	-232.15	-382.35	32733.88	0	0	0
Base	396	1091	0.9D+EQX	Combination	Max	8785.03	34.33	8954.38	0	0	0
Base	396	1091	0.9D+EQX	Combination	Min	-8640.13	-77.45	8926.46	0	0	0
Base	396	1091	0.9D+EQY	Combination	Max	168.82	335.85	8947.86	0	0	0
Base	396	1091	0.9D+EQY	Combination	Min	-223.91	-378.97	8932.98	0	0	0
Base	396	1091	D+L	Combination		-33.47	-23.79	27432.49	0	0	0
Base	396	1091	D+0.75L+0.75WX	Combination		-40.21	-23.74	23057.84	0	0	0
Base	396	1091	D+0.75L+0.75WY	Combination		-32.74	-23.61	23057.81	0	0	0
Base	396	1091	D+0.75L+0.75(0.7EQX)	Combination	Max	4593.85	5.51	23065.14	0	0	0
Base	396	1091	D+0.75L+0.75(0.7EQX)	Combination	Min	-4659.36	-53.17	23050.49	0	0	0
Base	396	1091	D+0.75L+0.75(0.7EQY)	Combination	Max	70.34	163.81	23061.72	0	0	0
Base	396	1091	D+0.75L+0.75(0.7EQY)	Combination	Min	-135.85	-211.47	23053.91	0	0	0
Base	396	1091	D+WX	Combination		-40.55	-23.83	9933.83	0	0	0
Base	396	1091	D+WY	Combination		-30.59	-23.66	9933.8	0	0	0
Base	396	1091	D+0.7EQX	Combination	Max	6138.2	15.17	9943.57	0	0	0
Base	396	1091	D+0.7EQX	Combination	Min	-6199.42	-63.08	9924.03	0	0	0
Base	396	1091	D+0.7EQY	Combination	Max	106.85	226.23	9939.01	0	0	0
Base	396	1091	D+0.7EQY	Combination	Min	-168.06	-274.14	9928.59	0	0	0
Base	396	1091	0.6D+WX	Combination		-28.3	-14.25	5960.31	0	0	0
Base	396	1091	0.6D+WY	Combination		-16.34	-14.08	5960.28	0	0	0
Base	396	1091	0.6D+0.7EQX	Combination	Max	6150.44	24.75	5970.05	0	0	0
Base	396	1091	0.6D+0.7EQX	Combination	Min	-6187.17	-53.5	5950.51	0	0	0
Base	396	1091	0.6D+0.7EQY	Combination	Max	119.09	235.82	5965.49	0	0	0
Base	396	1091	0.6D+0.7EQY	Combination	Min	-155.82	-264.56	5955.07	0	0	0
Base	397	1093	Dead	LinStatic		-72.34	745.26	10442.88	0	0	0
Base	397	1093	Live	LinStatic		-72.17	170.33	17458.01	0	0	0
Base	397	1093	SDL	LinStatic		-14.29	55.4	-10.11	0	0	0
Base	397	1093	WX	LinStatic		-11.44	2.16	1.45	0	0	0
Base	397	1093	WY	LinStatic		0.05	4.78	2.16	0	0	0
Base	397	1093	EQX	LinRespSpec	Max	10462.54	945.31	424.53	0	0	0
Base	397	1093	EQY	LinRespSpec	Max	130.54	6111.81	2722.03	0	0	0
Base	397	1093	1.4D+1.7L	Combination		-243.96	1410.53	44284.49	0	0	0
Base	397	1093	0.9D+WX	Combination		-89.41	722.78	9390.94	0	0	0
Base	397	1093	0.9D+WY	Combination		-77.92	725.38	9391.65	0	0	0
Base	397	1093	0.75(1.4D+1.7L+1.7WX)	Combination		-197.56	1060.85	33215.22	0	0	0
Base	397	1093	0.75(1.4D+1.7L+1.7WY)	Combination		-182.91	1063.96	33216.12	0	0	0
Base	397	1093	0.75(1.4D+1.7L+EQX	Combination	Max	10279.57	2003.21	33637.9	0	0	0
Base	397	1093	0.75(1.4D+1.7L+EQX	Combination	Min	-10645.51	112.58	32788.84	0	0	0

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kgf	FY kgf	FZ kgf	MX kgf-m	MY kgf-m	MZ kgf-m
Base	397	1093	0.75(1.4D+1.7L+EQY	Combination	Max	-52.43	7169.7	35935.4	0	0	0
Base	397	1093	0.75(1.4D+1.7L+EQY	Combination	Min	-313.51	-5053.91	30491.33	0	0	0
Base	397	1093	0.9D+EQX	Combination	Max	10384.58	1665.93	9814.02	0	0	0
Base	397	1093	0.9D+EQX	Combination	Min	-10540.5	-224.89	8964.96	0	0	0
Base	397	1093	0.9D+EQY	Combination	Max	52.58	6832.42	12111.53	0	0	0
Base	397	1093	0.9D+EQY	Combination	Min	-208.51	-5391.19	6667.46	0	0	0
Base	397	1093	D+L	Combination		-158.79	971.02	27890.78	0	0	0
Base	397	1093	D+0.75L+0.75WX	Combination		-149.33	930.06	23527.36	0	0	0
Base	397	1093	D+0.75L+0.75WY	Combination		-140.72	932.01	23527.89	0	0	0
Base	397	1093	D+0.75L+0.75(0.7EQX)	Combination	Max	5352.08	1424.72	23749.15	0	0	0
Base	397	1093	D+0.75L+0.75(0.7EQX)	Combination	Min	-5633.59	432.15	23303.4	0	0	0
Base	397	1093	D+0.75L+0.75(0.7EQY)	Combination	Max	-72.22	4137.13	24955.34	0	0	0
Base	397	1093	D+0.75L+0.75(0.7EQY)	Combination	Min	-209.29	-2280.26	22097.21	0	0	0
Base	397	1093	D+WX	Combination		-98.07	802.65	10434.22	0	0	0
Base	397	1093	D+WY	Combination		-86.58	805.45	10434.93	0	0	0
Base	397	1093	D+0.7EQX	Combination	Max	7237.15	1462.4	10729.94	0	0	0
Base	397	1093	D+0.7EQX	Combination	Min	-7410.4	138.97	10135.6	0	0	0
Base	397	1093	D+0.7EQY	Combination	Max	4.76	5078.95	12338.19	0	0	0
Base	397	1093	D+0.7EQY	Combination	Min	-178.01	-3477.58	8527.35	0	0	0
Base	397	1093	0.6D+WX	Combination		-83.42	482.57	6261.11	0	0	0
Base	397	1093	0.6D+WY	Combination		-51.93	485.17	6261.82	0	0	0
Base	397	1093	0.6D+0.7EQX	Combination	Max	7271.8	1142.13	6556.83	0	0	0
Base	397	1093	0.6D+0.7EQX	Combination	Min	-7375.75	-181.31	5962.49	0	0	0
Base	397	1093	0.6D+0.7EQY	Combination	Max	39.41	4758.68	8165.08	0	0	0
Base	397	1093	0.6D+0.7EQY	Combination	Min	-143.36	-3797.85	4354.24	0	0	0
Base	398	1095	Dead	LinStatic		-123.35	-1720.53	63040.36	0	0	0
Base	398	1095	Live	LinStatic		-158.92	-742.01	51206.16	0	0	0
Base	398	1095	SDL	LinStatic		-11.14	-210.07	10111.71	0	0	0
Base	398	1095	WX	LinStatic		-2.18	-0.98	88.75	0	0	0
Base	398	1095	WY	LinStatic		0.22	-0.07	-0.61	0	0	0
Base	398	1095	EQX	LinRespSpec	Max	1966.01	316.53	688.91	0	0	0
Base	398	1095	EQY	LinRespSpec	Max	24.82	1093.67	2428.61	0	0	0
Base	398	1095	1.4D+1.7L	Combination		-458.44	-3964.25	189463.37	0	0	0
Base	398	1095	0.9D+WX	Combination		-123.21	-1738.52	85905.6	0	0	0
Base	398	1095	0.9D+WY	Combination		-120.82	-1737.61	85836.25	0	0	0
Base	398	1095	0.75(1.4D+1.7L+1.7WX)	Combination		-346.61	-2974.43	142185.18	0	0	0
Base	398	1095	0.75(1.4D+1.7L+1.7WY)	Combination		-343.55	-2973.28	142096.75	0	0	0
Base	398	1095	0.75(1.4D+1.7L+EQX	Combination	Max	1622.18	-2656.65	142786.43	0	0	0
Base	398	1095	0.75(1.4D+1.7L+EQX	Combination	Min	-2309.84	-3289.72	141408.62	0	0	0

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kgf	FY kgf	FZ kgf	MX kgf-m	MY kgf-m	MZ kgf-m
Base	398	1095	0.75(1.4D+1.7L+EQY	Combination	Max	-319.01	-1879.52	144526.14	0	0	0
Base	398	1095	0.75(1.4D+1.7L+EQY	Combination	Min	-368.65	-4066.85	139688.91	0	0	0
Base	398	1095	0.9D+EQX	Combination	Max	1844.97	-1421.01	66525.77	0	0	0
Base	398	1095	0.9D+EQX	Combination	Min	-2087.04	-2054.07	65147.95	0	0	0
Base	398	1095	0.9D+EQY	Combination	Max	-96.22	-643.87	68265.47	0	0	0
Base	398	1095	0.9D+EQY	Combination	Min	-145.85	-2831.21	63408.25	0	0	0
Base	398	1095	D+L	Combination		-293.4	-2672.6	124358.23	0	0	0
Base	398	1095	D+0.75L+0.75WX	Combination		-255.31	-2487.84	111608.25	0	0	0
Base	398	1095	D+0.75L+0.75WY	Combination		-253.51	-2487.16	111556.23	0	0	0
Base	398	1095	D+0.75L+0.75(0.7EQX)	Combination	Max	778.48	-2320.92	111918.36	0	0	0
Base	398	1095	D+0.75L+0.75(0.7EQX)	Combination	Min	-1285.83	-2653.28	111195.01	0	0	0
Base	398	1095	D+0.75L+0.75(0.7EQY)	Combination	Max	-240.84	-1912.93	112831.71	0	0	0
Base	398	1095	D+0.75L+0.75(0.7EQY)	Combination	Min	-266.7	-3061.28	110281.67	0	0	0
Base	398	1095	D+WX	Combination		-136.66	-1931.57	73220.81	0	0	0
Base	398	1095	D+WY	Combination		-134.26	-1930.67	73151.45	0	0	0
Base	398	1095	D+0.7EQX	Combination	Max	1241.72	-1709.02	73634.3	0	0	0
Base	398	1095	D+0.7EQX	Combination	Min	-1510.69	-2152.17	72669.83	0	0	0
Base	398	1095	D+0.7EQY	Combination	Max	-117.11	-1165.03	74852.09	0	0	0
Base	398	1095	D+0.7EQY	Combination	Min	-151.85	-2696.17	71452.04	0	0	0
Base	398	1095	0.6D+WX	Combination		-82.87	-1159.34	43959.98	0	0	0
Base	398	1095	0.6D+WY	Combination		-80.47	-1158.43	43890.63	0	0	0
Base	398	1095	0.6D+0.7EQX	Combination	Max	1295.52	-936.79	44373.47	0	0	0
Base	398	1095	0.6D+0.7EQX	Combination	Min	-1456.89	-1379.93	43409	0	0	0
Base	398	1095	0.6D+0.7EQY	Combination	Max	-83.32	-392.79	45591.27	0	0	0
Base	398	1095	0.6D+0.7EQY	Combination	Min	-98.06	-1923.93	42191.21	0	0	0
Base	399	1097	Dead	LinStatic		-235.97	2582.61	42234.78	0	0	0
Base	399	1097	Live	LinStatic		-317.24	1398.84	37015.43	0	0	0
Base	399	1097	SDL	LinStatic		-19.68	423.33	5858.07	0	0	0
Base	399	1097	WX	LinStatic		1.83	-1.59	2.92	0	0	0
Base	399	1097	WY	LinStatic		-0.03	-5	2.33	0	0	0
Base	399	1097	EQX	LinRespSpec	Max	355.6	583.11	897.58	0	0	0
Base	399	1097	EQY	LinRespSpec	Max	43.5	2360.32	5772.22	0	0	0
Base	399	1097	1.4D+1.7L	Combination		-897.22	6556.33	130253.43	0	0	0
Base	399	1097	0.9D+WX	Combination		-228.25	2685.76	43284.69	0	0	0
Base	399	1097	0.9D+WY	Combination		-230.12	2682.34	43284.1	0	0	0
Base	399	1097	0.75(1.4D+1.7L+1.7WX)	Combination		-670.56	4916.73	97693.8	0	0	0
Base	399	1097	0.75(1.4D+1.7L+1.7WY)	Combination		-672.96	4912.37	97693.05	0	0	0
Base	399	1097	0.75(1.4D+1.7L+EQX	Combination	Max	-317.31	5501.86	98587.66	0	0	0
Base	399	1097	0.75(1.4D+1.7L+EQX	Combination	Min	-1026.52	4335.64	96792.49	0	0	0

วิศวกรผู้ออกแบบงานโครงสร้าง

นายสมภพ เงาจินตรักษ์ วย.1754

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kgf	FY kgf	FZ kgf	MX kgf-m	MY kgf-m	MZ kgf-m
Base	399	1097	0.75(1.4D+1.7L+EQY	Combination	Max	-629.42	7299.06	103462.3	0	0	0
Base	399	1097	0.75(1.4D+1.7L+EQY	Combination	Min	-716.41	2538.43	91917.85	0	0	0
Base	399	1097	0.9D+EQX	Combination	Max	125.52	3270.45	44179.35	0	0	0
Base	399	1097	0.9D+EQX	Combination	Min	-585.69	2104.23	42384.18	0	0	0
Base	399	1097	0.9D+EQY	Combination	Max	-186.59	5067.66	49053.99	0	0	0
Base	399	1097	0.9D+EQY	Combination	Min	-273.58	307.03	37509.54	0	0	0
Base	399	1097	D+L	Combination		-572.89	4384.77	85106.29	0	0	0
Base	399	1097	D+0.75L+0.75WX	Combination		-492.21	4033.87	75854.62	0	0	0
Base	399	1097	D+0.75L+0.75WY	Combination		-493.61	4031.31	75854.18	0	0	0
Base	399	1097	D+0.75L+0.75(0.7EQX)	Combination	Max	-306.89	4341.2	76323.66	0	0	0
Base	399	1097	D+0.75L+0.75(0.7EQX)	Combination	Min	-680.27	3728.93	75381.2	0	0	0
Base	399	1097	D+0.75L+0.75(0.7EQY)	Combination	Max	-470.75	5284.73	78882.84	0	0	0
Base	399	1097	D+0.75L+0.75(0.7EQY)	Combination	Min	-516.42	2785.4	72822.01	0	0	0
Base	399	1097	D+WX	Combination		-253.82	2984.35	48093.77	0	0	0
Base	399	1097	D+WY	Combination		-255.68	2980.93	48093.19	0	0	0
Base	399	1097	D+0.7EQX	Combination	Max	-8.73	3394.11	48719.16	0	0	0
Base	399	1097	D+0.7EQX	Combination	Min	-504.57	2577.76	47462.54	0	0	0
Base	399	1097	D+0.7EQY	Combination	Max	-225.2	4652.16	52131.41	0	0	0
Base	399	1097	D+0.7EQY	Combination	Min	-286.1	1319.72	44050.3	0	0	0
Base	399	1097	0.6D+WX	Combination		-151.56	1789.98	28857.43	0	0	0
Base	399	1097	0.6D+WY	Combination		-153.42	1786.56	28856.84	0	0	0
Base	399	1097	0.6D+0.7EQX	Combination	Max	95.53	2199.74	29482.82	0	0	0
Base	399	1097	0.6D+0.7EQX	Combination	Min	-402.31	1383.38	28226.2	0	0	0
Base	399	1097	0.6D+0.7EQY	Combination	Max	-122.94	3457.76	32895.07	0	0	0
Base	399	1097	0.6D+0.7EQY	Combination	Min	-183.84	125.34	24813.96	0	0	0
Base	400	1099	Dead	LinStatic		-675.9	-2246.43	40016.68	0	0	0
Base	400	1099	Live	LinStatic		-618.05	-1275.34	36091.93	0	0	0
Base	400	1099	SDL	LinStatic		-95.29	-380.19	5577.62	0	0	0
Base	400	1099	WX	LinStatic		1.6	-1.68	-1.42	0	0	0
Base	400	1099	WY	LinStatic		-0.61	-5.05	0.79	0	0	0
Base	400	1099	EQX	LinRespSpec	Max	137.96	613.74	1637.14	0	0	0
Base	400	1099	EQY	LinRespSpec	Max	96.29	2476.99	5656.24	0	0	0
Base	400	1099	1.4D+1.7L	Combination		-2130.35	-5845.34	125188.3	0	0	0
Base	400	1099	0.9D+WX	Combination		-692.48	-2365.64	41033.45	0	0	0
Base	400	1099	0.9D+WY	Combination		-694.68	-2369.01	41035.66	0	0	0
Base	400	1099	0.75(1.4D+1.7L+1.7WX)	Combination		-1595.73	-4386.15	93889.42	0	0	0
Base	400	1099	0.75(1.4D+1.7L+1.7WY)	Combination		-1596.55	-4390.45	93892.23	0	0	0
Base	400	1099	0.75(1.4D+1.7L+EQX	Combination	Max	-1459.79	-3770.27	95526.36	0	0	0
Base	400	1099	0.75(1.4D+1.7L+EQX	Combination	Min	-1735.74	-4997.74	92254.08	0	0	0

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kgf	FY kgf	FZ kgf	MX kgf-m	MY kgf-m	MZ kgf-m
Base	400	1099	0.75(1.4D+1.7L)+EQY	Combination	Max	-1501.47	-1907.02	99547.46	0	0	0
Base	400	1099	0.75(1.4D+1.7L)+EQY	Combination	Min	-1694.06	-6860.99	88234.98	0	0	0
Base	400	1099	0.9D+EQX	Combination	Max	-556.1	-1750.22	42672.01	0	0	0
Base	400	1099	0.9D+EQX	Combination	Min	-832.05	-2977.69	39397.73	0	0	0
Base	400	1099	0.9D+EQY	Combination	Max	-597.78	113.03	46691.11	0	0	0
Base	400	1099	0.9D+EQY	Combination	Min	-790.36	-4840.94	35378.63	0	0	0
Base	400	1099	D+L	Combination		-1389.24	-3901.95	81686.23	0	0	0
Base	400	1099	D+0.75L+0.75 WX	Combination		-1233.53	-3584.38	72682.18	0	0	0
Base	400	1099	D+0.75L+0.75 WY	Combination		-1235.19	-3586.91	72663.84	0	0	0
Base	400	1099	D+0.75L+0.75(0.7EQX)	Combination	Max	-1162.29	-3260.91	73522.74	0	0	0
Base	400	1099	D+0.75L+0.75(0.7EQX)	Combination	Min	-1307.17	-3905.33	71803.75	0	0	0
Base	400	1099	D+0.75L+0.75(0.7EQY)	Combination	Max	-1184.17	-2232.7	75632.77	0	0	0
Base	400	1099	D+0.75L+0.75(0.7EQY)	Combination	Min	-1285.28	-4883.54	69693.72	0	0	0
Base	400	1099	D+WX	Combination		-769.59	-2628.3	45592.68	0	0	0
Base	400	1099	D+WY	Combination		-771.8	-2631.67	45595.09	0	0	0
Base	400	1099	D+0.7EQX	Combination	Max	-674.61	-2197	46740.3	0	0	0
Base	400	1099	D+0.7EQX	Combination	Min	-867.77	-3056.23	44448.3	0	0	0
Base	400	1099	D+0.7EQY	Combination	Max	-703.78	-892.73	49553.67	0	0	0
Base	400	1099	D+0.7EQY	Combination	Min	-838.59	-4360.51	41634.93	0	0	0
Base	400	1099	0.6D+WX	Combination		-461.12	-1577.65	27365.18	0	0	0
Base	400	1099	0.6D+WY	Combination		-463.33	-1581.02	27357.37	0	0	0
Base	400	1099	0.6D+0.7EQX	Combination	Max	-366.13	-1146.36	28502.58	0	0	0
Base	400	1099	0.6D+0.7EQX	Combination	Min	-559.3	-2005.58	26210.58	0	0	0
Base	400	1099	0.6D+0.7EQY	Combination	Max	-395.31	157.92	31315.95	0	0	0
Base	400	1099	0.6D+0.7EQY	Combination	Min	-530.12	-3309.66	23397.21	0	0	0
Base	401	1101	Dead	LinStatic		-73.53	-4.62	9934.77	0	0	0
Base	401	1101	Live	LinStatic		-199.94	-1.01	17488.94	0	0	0
Base	401	1101	SDL	LinStatic		3.8	-0.07	-0.42	0	0	0
Base	401	1101	WX	LinStatic		-8.35	-0.09	-0.06	0	0	0
Base	401	1101	WY	LinStatic		-0.02	0.47	0.55	0	0	0
Base	401	1101	EQX	LinRespSpec	Max	11212.81	24.98	89.78	0	0	0
Base	401	1101	EQY	LinRespSpec	Max	549.77	91.84	3.91	0	0	0
Base	401	1101	1.4D+1.7L	Combination		-437.52	-8.29	43639.29	0	0	0
Base	401	1101	0.9D+WX	Combination		-71.11	-4.31	8940.85	0	0	0
Base	401	1101	0.9D+WY	Combination		-62.78	-3.75	8941.47	0	0	0
Base	401	1101	0.75(1.4D+1.7L +1.7WX)	Combination		-338.79	-6.33	32729.39	0	0	0
Base	401	1101	0.75(1.4D+1.7L +1.7WY)	Combination		-328.17	-5.62	32730.17	0	0	0
Base	401	1101	0.75(1.4D+1.7L)+EQX	Combination	Max	10884.67	18.76	32819.24	0	0	0
Base	401	1101	0.75(1.4D+1.7L)+EQX	Combination	Min	-11540.96	-31.19	32639.69	0	0	0

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kgf	FY kgf	FZ kgf	MX kgf-m	MY kgf-m	MZ kgf-m
Base	401	1101	0.75(1.4D+1.7L)+EQY	Combination	Max	221.63	85.42	32733.38	0	0	0
Base	401	1101	0.75(1.4D+1.7L)+EQY	Combination	Min	-877.91	-97.85	32725.56	0	0	0
Base	401	1101	0.9D+EQX	Combination	Max	11150.05	20.76	9030.69	0	0	0
Base	401	1101	0.9D+EQX	Combination	Min	-11275.57	-29.2	8851.14	0	0	0
Base	401	1101	0.9D+EQY	Combination	Max	487.01	87.42	8944.83	0	0	0
Base	401	1101	0.9D+EQY	Combination	Min	-612.53	-95.86	8937	0	0	0
Base	401	1101	D+L	Combination		-269.67	-5.7	27423.29	0	0	0
Base	401	1101	D+0.75L+0.75 WX	Combination		-225.95	-5.51	23051.01	0	0	0
Base	401	1101	D+0.75L+0.75 WY	Combination		-219.7	-5.1	23051.47	0	0	0
Base	401	1101	D+0.75L+0.75(0.7EQX)	Combination	Max	5667.04	7.66	23098.19	0	0	0
Base	401	1101	D+0.75L+0.75(0.7EQX)	Combination	Min	-6106.41	-18.56	23003.92	0	0	0
Base	401	1101	D+0.75L+0.75(0.7EQY)	Combination	Max	68.94	42.66	23053.11	0	0	0
Base	401	1101	D+0.75L+0.75(0.7EQY)	Combination	Min	-508.31	-53.58	23049	0	0	0
Base	401	1101	D+WX	Combination		-78.08	-4.78	9934.29	0	0	0
Base	401	1101	D+WY	Combination		-69.76	-4.22	9934.9	0	0	0
Base	401	1101	D+0.7EQX	Combination	Max	7779.24	12.79	9997.19	0	0	0
Base	401	1101	D+0.7EQX	Combination	Min	-7918.7	-22.17	9871.5	0	0	0
Base	401	1101	D+0.7EQY	Combination	Max	315.1	59.46	9937.09	0	0	0
Base	401	1101	D+0.7EQY	Combination	Min	-454.57	-68.84	9931.61	0	0	0
Base	401	1101	0.6D+WX	Combination		-50.19	-2.9	5960.55	0	0	0
Base	401	1101	0.6D+WY	Combination		-41.86	-2.34	5961.16	0	0	0
Base	401	1101	0.6D+0.7EQX	Combination	Max	7807.13	14.67	6023.45	0	0	0
Base	401	1101	0.6D+0.7EQX	Combination	Min	-7890.81	-20.3	5897.76	0	0	0
Base	401	1101	0.6D+0.7EQY	Combination	Max	343	61.33	5963.35	0	0	0
Base	401	1101	0.6D+0.7EQY	Combination	Min	-426.68	-66.96	5957.87	0	0	0
Base	402	1103	Dead	LinStatic		-854.68	950.03	45574.15	0	0	0
Base	402	1103	Live	LinStatic		-738.7	356.8	39659.16	0	0	0
Base	402	1103	SDL	LinStatic		-125.04	113.81	6653.49	0	0	0
Base	402	1103	WX	LinStatic		1.29	-1.72	3.73	0	0	0
Base	402	1103	WY	LinStatic		0.02	-5.86	9.66	0	0	0
Base	402	1103	EQX	LinRespSpec	Max	413.32	550.63	1211.39	0	0	0
Base	402	1103	EQY	LinRespSpec	Max	207.17	2358.77	7581.18	0	0	0
Base	402	1103	1.4D+1.7L	Combination		-2627.39	2095.92	140539.29	0	0	0
Base	402	1103	0.9D+WX	Combination		-880.46	955.73	47008.61	0	0	0
Base	402	1103	0.9D+WY	Combination		-881.73	951.59	47014.53	0	0	0
Base	402	1103	0.75(1.4D+1.7L +1.7WX)	Combination		-1968.9	1569.75	105409.23	0	0	0
Base	402	1103	0.75(1.4D+1.7L +1.7WY)	Combination		-1970.52	1564.47	105416.79	0	0	0
Base	402	1103	0.75(1.4D+1.7L)+EQX	Combination	Max	-1557.22	2122.57	106615.86	0	0	0
Base	402	1103	0.75(1.4D+1.7L)+EQX	Combination	Min	-2383.86	1021.31	104193.07	0	0	0

วิศวกรผู้ออกแบบงานโครงสร้าง
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Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kgf	FY kgf	FZ kgf	MX kgf-m	MY kgf-m	MZ kgf-m
Base	402	1103	0.75(1.4D+1.7L)+EQY	Combination	Max	-1763.37	3930.71	112985.65	0	0	0
Base	402	1103	0.75(1.4D+1.7L)+EQY	Combination	Min	-2177.71	-786.83	97823.29	0	0	0
Base	402	1103	0.9D+EQX	Combination	Max	-468.43	1508.08	46216.27	0	0	0
Base	402	1103	0.9D+EQX	Combination	Min	-1295.06	406.82	45793.48	0	0	0
Base	402	1103	0.9D+EQY	Combination	Max	-674.57	3316.22	54586.05	0	0	0
Base	402	1103	0.9D+EQY	Combination	Min	-1088.92	-1401.32	39423.7	0	0	0
Base	402	1103	D+L	Combination		-1718.41	1420.63	91886.81	0	0	0
Base	402	1103	D+0.75L+0.75 WX	Combination		-1532.77	1330.14	81974.82	0	0	0
Base	402	1103	D+0.75L+0.75 WY	Combination		-1533.72	1327.04	81979.26	0	0	0
Base	402	1103	D+0.75L+0.75(0.7EQX)	Combination	Max	-1316.75	1620.51	82608	0	0	0
Base	402	1103	D+0.75L+0.75(0.7EQX)	Combination	Min	-1750.73	1042.35	81336.04	0	0	0
Base	402	1103	D+0.75L+0.75(0.7EQY)	Combination	Max	-1424.97	2589.78	85952.14	0	0	0
Base	402	1103	D+0.75L+0.75(0.7EQY)	Combination	Min	-1642.5	93.08	77991.9	0	0	0
Base	402	1103	D+WX	Combination		-978.43	1062.11	52231.37	0	0	0
Base	402	1103	D+WY	Combination		-979.7	1057.97	52237.3	0	0	0
Base	402	1103	D+0.7EQX	Combination	Max	-890.39	1449.27	53075.61	0	0	0
Base	402	1103	D+0.7EQX	Combination	Min	-1269.04	678.39	51379.66	0	0	0
Base	402	1103	D+0.7EQY	Combination	Max	-834.69	2714.97	57534.46	0	0	0
Base	402	1103	D+0.7EQY	Combination	Min	-1124.74	-587.31	46920.81	0	0	0
Base	402	1103	0.6D+WX	Combination		-586.54	636.58	31340.32	0	0	0
Base	402	1103	0.6D+WY	Combination		-587.81	632.44	31346.24	0	0	0
Base	402	1103	0.6D+0.7EQX	Combination	Max	-298.51	1023.74	32184.56	0	0	0
Base	402	1103	0.6D+0.7EQX	Combination	Min	-877.15	252.86	30488.61	0	0	0
Base	402	1103	0.6D+0.7EQY	Combination	Max	-442.81	2289.44	36643.41	0	0	0
Base	402	1103	0.6D+0.7EQY	Combination	Min	-732.85	-1012.64	26029.76	0	0	0
Base	403	1105	Dead	LinStatic		-11.09	-218.01	29764.17	0	0	0
Base	403	1105	Live	LinStatic		-196.32	126.35	18900.46	0	0	0
Base	403	1105	SDL	LinStatic		36.88	46.17	3040.21	0	0	0
Base	403	1105	WX	LinStatic		0.93	-1.15	-4.11	0	0	0
Base	403	1105	WY	LinStatic		-0.12	2.96	123.95	0	0	0
Base	403	1105	EQX	LinRespSpec	Max	1385.63	250.78	1452.97	0	0	0
Base	403	1105	EQY	LinRespSpec	Max	195.05	692.51	8352.89	0	0	0
Base	403	1105	1.4D+1.7L	Combination		-294.84	-25.79	78056.92	0	0	0
Base	403	1105	0.9D+WX	Combination		25.95	-155.81	28619.84	0	0	0
Base	403	1105	0.9D+WY	Combination		24.9	-151.7	29647.9	0	0	0
Base	403	1105	0.75(1.4D+1.7L +1.7WX)	Combination		-219.94	-20.81	58537.46	0	0	0
Base	403	1105	0.75(1.4D+1.7L +1.7WY)	Combination		-221.28	-15.57	58700.74	0	0	0
Base	403	1105	0.75(1.4D+1.7L)+EQX	Combination	Max	1164.5	231.43	59995.67	0	0	0
Base	403	1105	0.75(1.4D+1.7L)+EQX	Combination	Min	-1606.76	-270.12	57089.72	0	0	0

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kgf	FY kgf	FZ kgf	MX kgf-m	MY kgf-m	MZ kgf-m
Base	403	1105	0.75(1.4D+1.7L)+EQY	Combination	Max	-26.08	673.17	66895.59	0	0	0
Base	403	1105	0.75(1.4D+1.7L)+EQY	Combination	Min	-416.18	-711.85	50189.8	0	0	0
Base	403	1105	0.9D+EQX	Combination	Max	1410.64	96.12	30978.92	0	0	0
Base	403	1105	0.9D+EQX	Combination	Min	-1360.61	-405.44	28070.97	0	0	0
Base	403	1105	0.9D+EQY	Combination	Max	220.07	537.85	37876.84	0	0	0
Base	403	1105	0.9D+EQY	Combination	Min	-170.04	-847.17	21171.05	0	0	0
Base	403	1105	D+L	Combination		-188.53	-45.5	51704.85	0	0	0
Base	403	1105	D+0.75L+0.75 WX	Combination		-118.75	-77.95	46876.85	0	0	0
Base	403	1105	D+0.75L+0.75 WY	Combination		-119.54	-74.66	47072.7	0	0	0
Base	403	1105	D+0.75L+0.75(0.7EQX)	Combination	Max	608.01	54.58	47742.54	0	0	0
Base	403	1105	D+0.75L+0.75(0.7EQX)	Combination	Min	-846.9	-208.74	46216.92	0	0	0
Base	403	1105	D+0.75L+0.75(0.7EQY)	Combination	Max	-17.05	286.48	51365	0	0	0
Base	403	1105	D+0.75L+0.75(0.7EQY)	Combination	Min	-221.85	-440.65	42594.46	0	0	0
Base	403	1105	D+WX	Combination		28.73	-173	32800.28	0	0	0
Base	403	1105	D+WY	Combination		27.66	-168.88	32928.34	0	0	0
Base	403	1105	D+0.7EQX	Combination	Max	997.73	3.7	33821.47	0	0	0
Base	403	1105	D+0.7EQX	Combination	Min	-842.15	-347.39	31787.3	0	0	0
Base	403	1105	D+0.7EQY	Combination	Max	164.33	312.91	38651.41	0	0	0
Base	403	1105	D+0.7EQY	Combination	Min	-106.74	-656.8	26957.36	0	0	0
Base	403	1105	0.6D+WX	Combination		17.61	-104.26	19678.53	0	0	0
Base	403	1105	0.6D+WY	Combination		16.56	-100.15	19806.59	0	0	0
Base	403	1105	0.6D+0.7EQX	Combination	Max	986.82	72.44	20699.71	0	0	0
Base	403	1105	0.6D+0.7EQX	Combination	Min	-953.26	-278.85	18665.55	0	0	0
Base	403	1105	0.6D+0.7EQY	Combination	Max	153.21	381.65	25529.66	0	0	0
Base	403	1105	0.6D+0.7EQY	Combination	Min	-119.86	-587.86	13835.61	0	0	0
Base	404	1111	Dead	LinStatic		59.58	-855.93	34333.15	0	0	0
Base	404	1111	Live	LinStatic		79.49	-1691.14	27932.53	0	0	0
Base	404	1111	SDL	LinStatic		13.87	-134.84	4446.75	0	0	0
Base	404	1111	WX	LinStatic		-4.61	1.92	-13.37	0	0	0
Base	404	1111	WY	LinStatic		-0.29	6.33	-8.3	0	0	0
Base	404	1111	EQX	LinRespSpec	Max	1768.1	1077.82	1430.28	0	0	0
Base	404	1111	EQY	LinRespSpec	Max	236.73	7676.98	9835.9	0	0	0
Base	404	1111	1.4D+1.7L	Combination		237.96	-4261.74	101777.15	0	0	0
Base	404	1111	0.9D+WX	Combination		61.49	-889.59	34888.54	0	0	0
Base	404	1111	0.9D+WY	Combination		65.81	-885.18	34893.61	0	0	0
Base	404	1111	0.75(1.4D+1.7L +1.7WX)	Combination		172.59	-3193.86	76315.82	0	0	0
Base	404	1111	0.75(1.4D+1.7L +1.7WY)	Combination		178.1	-3188.23	76322.28	0	0	0
Base	404	1111	0.75(1.4D+1.7L)+EQX	Combination	Max	1946.57	-2118.48	77763.14	0	0	0
Base	404	1111	0.75(1.4D+1.7L)+EQX	Combination	Min	-1589.63	-4274.13	74902.58	0	0	0

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kgf	FY kgf	FZ kgf	MX kgf-m	MY kgf-m	MZ kgf-m
Base	404	1111	0.75(1.4D+1.7L)+EQY	Combination	Max	415.2	4480.87	86168.77	0	0	0
Base	404	1111	0.75(1.4D+1.7L)+EQY	Combination	Min	-56.26	-10873.29	66496.96	0	0	0
Base	404	1111	0.9D+EQX	Combination	Max	1834.2	186.31	36332.19	0	0	0
Base	404	1111	0.9D+EQX	Combination	Min	-1702	-1969.33	33471.63	0	0	0
Base	404	1111	0.9D+EQY	Combination	Max	302.83	6795.47	44737.81	0	0	0
Base	404	1111	0.9D+EQY	Combination	Min	-170.83	-8568.49	25066	0	0	0
Base	404	1111	D+L	Combination		152.94	-2681.71	66712.42	0	0	0
Base	404	1111	D+0.75L+0.75 WX	Combination		129.61	-2257.49	59719.27	0	0	0
Base	404	1111	D+0.75L+0.75 WY	Combination		132.85	-2254.18	59723.07	0	0	0
Base	404	1111	D+0.75L+0.75(0.7EQX)	Combination	Max	1061.32	-1693.07	60480.19	0	0	0
Base	404	1111	D+0.75L+0.75(0.7EQX)	Combination	Min	-795.19	-2824.78	58978.4	0	0	0
Base	404	1111	D+0.75L+0.75(0.7EQY)	Combination	Max	257.35	1771.49	64893.14	0	0	0
Base	404	1111	D+0.75L+0.75(0.7EQY)	Combination	Min	8.78	-6289.34	54565.44	0	0	0
Base	404	1111	D+WX	Combination		66.84	-988.85	38766.53	0	0	0
Base	404	1111	D+WY	Combination		73.16	-984.23	38771.6	0	0	0
Base	404	1111	D+0.7EQX	Combination	Max	1311.12	-236.09	39781.08	0	0	0
Base	404	1111	D+0.7EQX	Combination	Min	-1164.22	-1745.04	37778.7	0	0	0
Base	404	1111	D+0.7EQY	Combination	Max	239.16	4383.32	45665.03	0	0	0
Base	404	1111	D+0.7EQY	Combination	Min	-92.27	-6364.45	31894.76	0	0	0
Base	404	1111	0.6D+WX	Combination		39.48	-592.42	23254.57	0	0	0
Base	404	1111	0.6D+WY	Combination		43.76	-588.01	23259.64	0	0	0
Base	404	1111	0.6D+0.7EQX	Combination	Max	1281.74	160.13	24269.13	0	0	0
Base	404	1111	0.6D+0.7EQX	Combination	Min	-1193.6	-1348.62	22266.74	0	0	0
Base	404	1111	0.6D+0.7EQY	Combination	Max	209.78	4779.54	30153.07	0	0	0
Base	404	1111	0.6D+0.7EQY	Combination	Min	-121.64	-5968.23	16382.81	0	0	0
Base	405	1113	Dead	LinStatic		1755.75	-2312.99	67899.83	0	0	0
Base	405	1113	Live	LinStatic		1275.68	-1327.66	51421.16	0	0	0
Base	405	1113	SDL	LinStatic		380.16	-412.84	10180.52	0	0	0
Base	405	1113	WX	LinStatic		0.27	-1.17	41.07	0	0	0
Base	405	1113	WY	LinStatic		-0.14	-4.46	-4.93	0	0	0
Base	405	1113	EQX	LinRespSpec	Max	1469.2	611.38	4861.04	0	0	0
Base	405	1113	EQY	LinRespSpec	Max	15.09	3495.88	4582.83	0	0	0
Base	405	1113	1.4D+1.7L	Combination		5130.93	-6073.19	196728.46	0	0	0
Base	405	1113	0.9D+WX	Combination		1904.59	-2454.42	70313.38	0	0	0
Base	405	1113	0.9D+WY	Combination		1904.18	-2457.72	70267.38	0	0	0
Base	405	1113	0.75(1.4D+1.7L (+1.7WX)	Combination		3848.55	-4556.38	147596.71	0	0	0
Base	405	1113	0.75(1.4D+1.7L +1.7WY)	Combination		3848.02	-4560.58	147540.06	0	0	0
Base	405	1113	0.75(1.4D+1.7L)+EQX	Combination	Max	5317.39	-3643.51	152407.39	0	0	0
Base	405	1113	0.75(1.4D+1.7L)+EQX	Combination	Min	2379	-5166.28	142685.3	0	0	0

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kgf	FY kgf	FZ kgf	MX kgf-m	MY kgf-m	MZ kgf-m
Base	405	1113	0.75(1.4D+1.7L)+EQY	Combination	Max	3863.29	-1059.01	152126.97	0	0	0
Base	405	1113	0.75(1.4D+1.7L)+EQY	Combination	Min	3833.1	-8050.78	142963.72	0	0	0
Base	405	1113	0.9D+EQX	Combination	Max	3373.52	-1841.87	75133.36	0	0	0
Base	405	1113	0.9D+EQX	Combination	Min	435.12	-3064.64	65411.27	0	0	0
Base	405	1113	0.9D+EQY	Combination	Max	1919.41	1042.63	74854.94	0	0	0
Base	405	1113	0.9D+EQY	Combination	Min	1889.23	-5949.14	65689.68	0	0	0
Base	405	1113	D+L	Combination		3391.59	-4053.49	129501.51	0	0	0
Base	405	1113	D+0.75L+0.75 WX	Combination		3072.88	-3722.48	116677.02	0	0	0
Base	405	1113	D+0.75L+0.75 WY	Combination		3072.57	-3724.93	116642.52	0	0	0
Base	405	1113	D+0.75L+0.75(0.7EQX)	Combination	Max	3844	-3400.6	119198.27	0	0	0
Base	405	1113	D+0.75L+0.75(0.7EQX)	Combination	Min	2301.34	-4042.58	114094.17	0	0	0
Base	405	1113	D+0.75L+0.75(0.7EQY)	Combination	Max	3080.59	-1886.24	119052.1	0	0	0
Base	405	1113	D+0.75L+0.75(0.7EQY)	Combination	Min	3064.75	-5556.92	114240.34	0	0	0
Base	405	1113	D+WX	Combination		2116.19	-2727	78121.41	0	0	0
Base	405	1113	D+WY	Combination		2115.77	-2730.3	78075.41	0	0	0
Base	405	1113	D+0.7EQX	Combination	Max	3144.35	-2297.87	81483.08	0	0	0
Base	405	1113	D+0.7EQX	Combination	Min	1087.47	-3153.8	74677.62	0	0	0
Base	405	1113	D+0.7EQY	Combination	Max	2126.48	-278.72	81288.19	0	0	0
Base	405	1113	D+0.7EQY	Combination	Min	2105.35	-5172.95	74872.51	0	0	0
Base	405	1113	0.6D+WX	Combination		1269.82	-1636.67	46889.28	0	0	0
Base	405	1113	0.6D+WY	Combination		1269.41	-1639.97	46843.28	0	0	0
Base	405	1113	0.6D+0.7EQX	Combination	Max	2297.99	-1207.53	50250.94	0	0	0
Base	405	1113	0.6D+0.7EQX	Combination	Min	241.11	-2063.47	43445.48	0	0	0
Base	405	1113	0.6D+0.7EQY	Combination	Max	1280.11	811.62	50056.05	0	0	0
Base	405	1113	0.6D+0.7EQY	Combination	Min	1258.98	-4082.62	43640.37	0	0	0
Base	406	1115	Dead	LinStatic		84.21	565.44	10563.47	0	0	0
Base	406	1115	Live	LinStatic		102.32	85.88	17551.8	0	0	0
Base	406	1115	SDL	LinStatic		10.37	26.07	18.8	0	0	0
Base	406	1115	WX	LinStatic		-11.5	2.06	0.03	0	0	0
Base	406	1115	WY	LinStatic		-0.1	5.02	2.13	0	0	0
Base	406	1115	EQX	LinRespSpec	Max	8767.07	867.75	641.16	0	0	0
Base	406	1115	EQY	LinRespSpec	Max	372.16	6162.35	2615.47	0	0	0
Base	406	1115	1.4D+1.7L	Combination		308.36	974.11	44653.24	0	0	0
Base	406	1115	0.9D+WX	Combination		73.62	534.44	9524.07	0	0	0
Base	406	1115	0.9D+WY	Combination		85.02	537.36	9526.18	0	0	0
Base	406	1115	0.75(1.4D+1.7L +1.7WX)	Combination		215.11	733.24	33489.97	0	0	0
Base	406	1115	0.75(1.4D+1.7L +1.7WY)	Combination		229.64	736.99	33492.65	0	0	0
Base	406	1115	0.75(1.4D+1.7L)+EQX	Combination	Max	8996.84	1598.34	34131.09	0	0	0
Base	406	1115	0.75(1.4D+1.7L)+EQX	Combination	Min	-8537.31	-137.17	32848.77	0	0	0

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kgf	FY kgf	FZ kgf	MX kgf-m	MY kgf-m	MZ kgf-m
Base	406	1115	0.75(1.4D+1.7L)+EQY	Combination	Max	601.93	6892.94	36105.4	0	0	0
Base	406	1115	0.75(1.4D+1.7L)+EQY	Combination	Min	-142.4	-5431.77	30874.46	0	0	0
Base	406	1115	0.9D+EQX	Combination	Max	8852.19	1400.11	10165.21	0	0	0
Base	406	1115	0.9D+EQX	Combination	Min	-8681.96	-335.39	8882.88	0	0	0
Base	406	1115	0.9D+EQY	Combination	Max	457.28	6694.71	12139.51	0	0	0
Base	406	1115	0.9D+EQY	Combination	Min	-287.05	-5629.99	6908.58	0	0	0
Base	406	1115	D+L	Combination		196.9	677.39	28134.07	0	0	0
Base	406	1115	D+0.75L+0.75 WX	Combination		162.7	657.46	23746.14	0	0	0
Base	406	1115	D+0.75L+0.75 WY	Combination		171.24	659.69	23747.72	0	0	0
Base	406	1115	D+0.75L+0.75(0.7EQX)	Combination	Max	4774.03	1111.49	24082.73	0	0	0
Base	406	1115	D+0.75L+0.75(0.7EQX)	Combination	Min	-4431.4	200.35	23409.51	0	0	0
Base	406	1115	D+0.75L+0.75(0.7EQY)	Combination	Max	366.7	3891.16	25119.24	0	0	0
Base	406	1115	D+0.75L+0.75(0.7EQY)	Combination	Min	-24.07	-2579.31	22373	0	0	0
Base	406	1115	D+WX	Combination		83.08	593.59	10582.3	0	0	0
Base	406	1115	D+WY	Combination		94.48	596.53	10584.4	0	0	0
Base	406	1115	D+0.7EQX	Combination	Max	6231.53	1198.94	11031.08	0	0	0
Base	406	1115	D+0.7EQX	Combination	Min	-6042.38	-15.92	10133.46	0	0	0
Base	406	1115	D+0.7EQY	Combination	Max	355.09	4905.16	12413.1	0	0	0
Base	406	1115	D+0.7EQY	Combination	Min	-165.94	-3722.14	8751.44	0	0	0
Base	406	1115	0.6D+WX	Combination		45.25	356.99	6349.39	0	0	0
Base	406	1115	0.6D+WY	Combination		56.65	359.93	6351.49	0	0	0
Base	406	1115	0.6D+0.7EQX	Combination	Max	6193.7	962.33	6798.18	0	0	0
Base	406	1115	0.6D+0.7EQX	Combination	Min	-6080.21	-252.52	5900.55	0	0	0
Base	406	1115	0.6D+0.7EQY	Combination	Max	317.26	4696.55	8180.19	0	0	0
Base	406	1115	0.6D+0.7EQY	Combination	Min	-203.77	-3958.74	4518.53	0	0	0
Base	407	1117	Dead	LinStatic		2518.62	-30.56	86240	0	0	0
Base	407	1117	Live	LinStatic		1819.78	-33.2	62835.51	0	0	0
Base	407	1117	SDL	LinStatic		517.57	-3	13595.47	0	0	0
Base	407	1117	WX	LinStatic		-0.11	0.1	63.97	0	0	0
Base	407	1117	WY	LinStatic		0.05	-0.56	-0.11	0	0	0
Base	407	1117	EQX	LinRespSpec	Max	1091.03	77.28	6099.45	0	0	0
Base	407	1117	EQY	LinRespSpec	Max	16.01	1301.83	137.11	0	0	0
Base	407	1117	1.4D+1.7L	Combination		7344.29	-103.42	246590.02	0	0	0
Base	407	1117	0.9D+WX	Combination		2732.46	-30.1	89915.89	0	0	0
Base	407	1117	0.9D+WY	Combination		2732.62	-30.76	89851.81	0	0	0
Base	407	1117	0.75(1.4D+1.7L (+1.7WX)	Combination		5508.06	-77.44	185024.06	0	0	0
Base	407	1117	0.75(1.4D+1.7L +1.7WY)	Combination		5508.28	-78.28	184942.38	0	0	0
Base	407	1117	0.75(1.4D+1.7L)+EQX	Combination	Max	6599.25	-0.29	191041.97	0	0	0
Base	407	1117	0.75(1.4D+1.7L)+EQX	Combination	Min	4417.18	-154.85	178843.06	0	0	0

Story	Label	Unique Name	Output Case	Case Type	Step Type	FX kgf	FY kgf	FZ kgf	MX kgf-m	MY kgf-m	MZ kgf-m
Base	407	1117	0.75(1.4D+1.7L)+EQY	Combination	Max	5524.23	1224.07	185079.63	0	0	0
Base	407	1117	0.75(1.4D+1.7L)+EQY	Combination	Min	5492.2	-1379.2	184805.4	0	0	0
Base	407	1117	0.9D+EQX	Combination	Max	3823.6	47.07	95951.37	0	0	0
Base	407	1117	0.9D+EQX	Combination	Min	1641.54	-107.49	83752.47	0	0	0
Base	407	1117	0.9D+EQY	Combination	Max	2748.58	1271.43	89989.03	0	0	0
Base	407	1117	0.9D+EQY	Combination	Min	2716.56	-1331.84	89714.81	0	0	0
Base	407	1117	D+L	Combination		4855.97	-86.76	162670.98	0	0	0
Base	407	1117	D+0.75L+0.75 WX	Combination		4400.94	-58.38	147010.06	0	0	0
Base	407	1117	D+0.75L+0.75 WY	Combination		4401.06	-58.88	146962.02	0	0	0
Base	407	1117	D+0.75L+0.75(0.7EQX)	Combination	Max	4973.81	-17.89	150164.31	0	0	0
Base	407	1117	D+0.75L+0.75(0.7EQX)	Combination	Min	3828.23	-99.03	143759.89	0	0	0
Base	407	1117	D+0.75L+0.75(0.7EQY)	Combination	Max	4409.43	624.9	147034.08	0	0	0
Base	407	1117	D+0.75L+0.75(0.7EQY)	Combination	Min	4392.82	-741.82	146890.12	0	0	0
Base	407	1117	D+WX	Combination		3036.08	-33.46	99899.44	0	0	0
Base	407	1117	D+WY	Combination		3036.24	-34.12	99835.36	0	0	0
Base	407	1117	D+0.7EQX	Combination	Max	3799.91	20.53				

วิศวกรผู้ออกแบบงานโครงสร้าง
นายสมภพ เงาจินตรักษ์ วย.1754

	PROJECT WU	PAGE
	TITLE RC-BEAM ANALYSIS AND DESIGN (SDM)	DESIGNED
	SUBJECT	DATE

PARAMETERS	CONCRETE					
fc' (ksc)	240	Beta	0.850	ρ : Bal	G*Beta*6120/(6120+fy)	0.0262
fy (ksc)	4000	G 0.85fc'/fy	0.051	ρ : Max	0.75Bal	0.0197
SW (t/m3)	2.4	LF : DL+LL	1.00	ρ : Min	14/fy	0.0035
SW Considered ?	Y	LF : SW	1.40		Rmax Max*fy[1-0.59*Max*fy/fc']	63.5

BEAM B1

-Cov = 5 +Cov = 5	CANTI.	SPAN 1			CANTI.
wa : wb : wc (t/m)		8.1			
Pa(t) : Pb(t) : sw(t/m)				0.36	
a(m) : b(m) : c(m)		5		0	
B(cm) : H(cm) : L(m)		25	60	5	
ANALYSIS					
- M (t-m)		0.00		0.00	
+M (t-m)			26.9		
x (m) for +M			2.50		
V (t)		21.5		21.5	
FLEXURE					
As (cm2) Support		+0.0		+0.0	
Span			+15.2		
As' (cm2)		-	-	-	
SHEAR					
STIRRUP DB10		150		150	
Vu (t)		21.5		21.5	
0.85Vc (t)		9.6		9.6	
0.85Vs (t)		19.6		19.6	
0.85[Vc+Vs] (t)		29.2		29.2	
CHECK : 0.85Vn > Vu		Ok!		Ok!	

BEAM B1X

-Cov = 5 +Cov = 5	CANTI.	SPAN 1			CANTI.
wa : wb : wc (t/m)		8.1			
Pa(t) : Pb(t) : sw(t/m)				0.36	
a(m) : b(m) : c(m)		3.75		0	
B(cm) : H(cm) : L(m)		25	60	3.75	
ANALYSIS					
- M (t-m)		0.00		0.00	
+M (t-m)			15.1		
x (m) for +M			1.88		
V (t)		16.1		16.1	
FLEXURE					
As (cm2) Support		+0.0		+0.0	
Span			+8.1		
As' (cm2)		-	-	-	
SHEAR					
STIRRUP RB9		150		150	
Vu (t)		16.1		16.1	
0.85Vc (t)		9.6		9.6	
0.85Vs (t)		9.5		9.5	
0.85[Vc+Vs] (t)		19.1		19.1	
CHECK : 0.85Vn > Vu		Ok!		Ok!	

BEAM BE1

-Cov = 5 +Cov = 5	CANTI.	SPAN 1			CANTI.
wa : wb : wc (t/m)		2.8			
Pa(t) : Pb(t) : sw(t/m)				0.288	
a(m) : b(m) : c(m)		5		0	
B(cm) : H(cm) : L(m)		20	60	5	
ANALYSIS					
- M (t-m)		0.00		0.00	
+M (t-m)			10.0		
x (m) for +M			2.50		
V (t)		8.01		8.01	
FLEXURE					
As (cm2) Support		+0.0		+0.0	
Span			+5.3		
As' (cm2)		-	-	-	
SHEAR					
STIRRUP RB9		200		200	
Vu (t)		8.0		8.0	
0.85Vc (t)		7.7		7.7	
0.85Vs (t)		7.1		7.1	
0.85[Vc+Vs] (t)		14.8		14.8	
CHECK : 0.85Vn > Vu		Ok!		Ok!	

BEAM BE1C

-Cov = 5 +Cov = 5	CANTI.	SPAN 1			CANTI.
wa : wb : wc (t/m)		2.8			
Pa(t) : Pb(t) : sw(t/m)				0.288	
a(m) : b(m) : c(m)		2.5		0	
B(cm) : H(cm) : L(m)		20	60	2.5	
ANALYSIS					
- M (t-m)		0.00		0.00	
+M (t-m)			2.50		
x (m) for +M			1.25		
V (t)		4.00		4.00	
FLEXURE					
As (cm2) Support		+0.0		+0.0	
Span			+1.3		
As' (cm2)		-	-	-	
SHEAR					
STIRRUP RB9		200		200	
Vu (t)		4.0		4.0	
0.85Vc (t)		7.7		7.7	
0.85Vs (t)		7.1		7.1	
0.85[Vc+Vs] (t)		14.8		14.8	
CHECK : 0.85Vn > Vu		Ok!		Ok!	

BEAM BE2

-Cov = 5 +Cov = 5	CANTI.	SPAN 1			CANTI.
wa : wb : wc (t/m)		4.76			
Pa(t) : Pb(t) : sw(t/m)				0.36	
a(m) : b(m) : c(m)		5		0	
B(cm) : H(cm) : L(m)		25	60	5	
ANALYSIS					
- M (t-m)		0.00		0.00	
+M (t-m)			16.5		
x (m) for +M			2.50		
V (t)		13.2		13.2	
FLEXURE					
As (cm2) Support		+0.0		+0.0	
Span			+8.9		
As' (cm2)		-	-	-	
SHEAR					
STIRRUP RB9		150		150	
Vu (t)		13.2		13.2	
0.85Vc (t)		9.6		9.6	
0.85Vs (t)		9.5		9.5	
0.85[Vc+Vs] (t)		19.1		19.1	
CHECK : 0.85Vn > Vu		Ok!		Ok!	

BEAM B1X

-Cov = 5 +Cov = 5	CANTI.	SPAN 1			CANTI.
wa : wb : wc (t/m)		8.1			
Pa(t) : Pb(t) : sw(t/m)				0.36	
a(m) : b(m) : c(m)		2.5		0	
B(cm) : H(cm) : L(m)		25	60	2.5	
ANALYSIS					
- M (t-m)		0.00		0.00	
+M (t-m)			6.72		
x (m) for +M			1.25		
V (t)		10.8		10.8	
FLEXURE					
As (cm2) Support		+0.0		+0.0	
Span			+3.5		
As' (cm2)		-	-	-	
SHEAR					
STIRRUP RB9		150		150	
Vu (t)		10.8		10.8	
0.85Vc (t)		9.6		9.6	
0.85Vs (t)		9.5		9.5	
0.85[Vc+Vs] (t)		19.1		19.1	
CHECK : 0.85Vn > Vu		Ok!		Ok!	

วิศวกรผู้ออกแบบงานโครงสร้าง
นายสมภพ เงาจินตรักษ์ วย.1754

	PROJECT	**PAGE**
	TITLE EDGE-SUPPORTED SLAB DESIGN	**DESIGNED**
	SUBJECT	**DATE**

MATERIAL'S PARAMETERS

fc' (ksc)	240	Mu	Coef*wu*Lx^2	
fy (ksc) for dia >= 10	4000	ρ :	Temp. Steel : dia >= 10	0.0018
fy (ksc) for dia < 10	2400		Temp. Steel : dia < 10	0.0025
Factor : DL	1.4			
Factor : LL	1.7			

Note On : Edge Support Slab Design by Using ACI and EIT-Method2 Code

SLAB NO.	SR
Lx (m)	5
Ly (m)	5
t (cm)	15 >= 11.1
d (cm)	12
(Lx+Ly)/0.9	11.1
Wsw (ksm)	360
Wsdl (ksm)	250
Wll (ksm)	300
Support	C0
Lx/Ly	1.00
As,temp(cm2/m/side)	2.70

wu (ksm) 1.4[Wsw+Wsdl] + 1.7Wll 1364

Support Condition *0-Side Continued*

Direction	**x : Short**			**y : Long**		
Moment	**+M**	**-Mc**	**-Mnc**	**+M**	**-Mc**	**-Mnc**
Coef	0.0500		0.0330	0.0500		0.0330
Mu (t-m/m)	1.71		1.13	1.71		1.13
As,req (cm2/m)	4.1		2.7	4.1		2.7
As,act (cm2/m)	4.1		2.7	4.1		2.7
Use **10** @	**150**		**200**	**150**		**200**
As (cm2/m)	5.2		3.9	5.2		3.9
As>As,act	Ok !		Ok !	Ok !		Ok !

วิศวกรผู้ออกแบบงานโครงสร้าง

นายสมภพ เงาจินดารักษ์ วย.1754

	PROJECT	WU	PAGE
	TITLE	RC-BEAM ANALYSIS AND DESIGN (SDM)	DESIGNED
	SUBJECT		DATE

PARAMETERS	CONCRETE					
fc' (ksc)	240	Beta	0.850	ρ : Bal	G*Beta*6120/(6120+fy)	0.0262
fy (ksc)	4000	G 0.85fc'/fy	0.051	ρ : Max	0.75Bal	0.0197
SW (t/m3)	2.4	LF : DL+LL	1.00	ρ : Min	14/fy	0.0035
SW Considered ?	Y	LF : SW	1.40	Rmax	Max*fy[1-0.59*Max*fy/fc']	63.5

BEAM BR1

-Cov = 5 +Cov = 5	CANTI.	SPAN 1			CANTI.		
wa : wb : wc (t/m)		2.5					
Pa(t) : Pb(t) : sw(t/m)				0.27			
a(m) : b(m) : c(m)		5		0			
B(cm) : H(cm) : L(m)		25	45	5			
ANALYSIS							
- M (t-m)		**0.00**		**0.00**			
+M (t-m)			**8.99**				
x (m) for +M			2.50				
V (t)		7.20		7.20			
FLEXURE							
As (cm2) Support		+0.0		+0.0			
Span			+6.7				
As' (cm2)		-	-	-			
SHEAR							
STIRRUP **RB9**		**150**		**150**			
Vu (t)		7.2		7.2			
0.85Vc (t)		7.0		7.0			
0.85Vs (t)		6.9		6.9			
0.85[Vc+Vs] (t)		13.9		13.9			
CHECK : 0.85Vn > Vu		Ok!		Ok!			

BEAM BRE1

-Cov = 5 +Cov = 5	CANTI.	SPAN 1			CANTI.		
wa : wb : wc (t/m)		2.333					
Pa(t) : Pb(t) : sw(t/m)				0.288			
a(m) : b(m) : c(m)		5		0			
B(cm) : H(cm) : L(m)		20	60	5			
ANALYSIS							
- M (t-m)		**0.00**		**0.00**			
+M (t-m)			**8.55**				
x (m) for +M			2.50				
V (t)		6.84		6.84			
FLEXURE							
As (cm2) Support		+0.0		+0.0			
Span			+4.5				
As' (cm2)		-	-	-			
SHEAR							
STIRRUP **RB9**		**200**		**200**			
Vu (t)		6.8		6.8			
0.85Vc (t)		7.7		7.7			
0.85Vs (t)		7.1		7.1			
0.85[Vc+Vs] (t)		14.8		14.8			
CHECK : 0.85Vn > Vu		Ok!		Ok!			

BEAM BRC1

-Cov = 5 +Cov = 5	CANTI.		SPAN 1			CANTI.		
wa : wb : wc (t/m)		7			7		
Pa(t) : Pb(t) : sw(t/m)				0.432			0.432
a(m) : b(m) : c(m)		2		0	2		0
B(cm) : H(cm) : L(m)		30	60	2	30	60	2
ANALYSIS							
- M (t-m)		**0.00**		**15.2**	**-15.2**		
+M (t-m)			**0.00**				
x (m) for +M			0.00				
V (t)		0.00		15.2	15.2		
FLEXURE							
As (cm2) Support		+0.0		-8.1			
Span			+0.0				
As' (cm2)		-	-	-			
SHEAR							
STIRRUP **RB9**		**150**		**150**	**150**		
Vu (t)		0.0		15.2	15.2		
0.85Vc (t)		11.5		11.5	11.5		
0.85Vs (t)		9.5		9.5	9.5		
0.85[Vc+Vs] (t)		21.0		21.0	21.0		
CHECK : 0.85Vn > Vu		Ok!		Ok!	Ok!		

BEAM BRC2

-Cov = 5 +Cov = 5	CANTI.		SPAN 1			CANTI.		
wa : wb : wc (t/m)		7			7		
Pa(t) : Pb(t) : sw(t/m)				0.576			0.576
a(m) : b(m) : c(m)		2		0	3.5		0
B(cm) : H(cm) : L(m)		40	60	2	40	60	3.5
ANALYSIS							
- M (t-m)		**0.00**		**47.8**	**-47.8**		
+M (t-m)			**-20.0**				
x (m) for +M			1.00				
V (t)		16.1		31.7	27.3		
FLEXURE							
As (cm2) Support		+0.0		-27.5			
Span			-10.6				
As' (cm2)		-	-	-			
SHEAR							
STIRRUP **DB10**		**150**		**150**	**150**		
Vu (t)		-16.1		31.7	27.3		
0.85Vc (t)		15.4		15.4	15.4		
0.85Vs (t)		19.6		19.6	19.6		
0.85[Vc+Vs] (t)		34.9		34.9	34.9		
CHECK : 0.85Vn > Vu		Ok!		Ok!	Ok!		

BEAM BRC3

-Cov = 5 +Cov = 5	CANTI.		SPAN 1			CANTI.		
wa : wb : wc (t/m)		7			7		
Pa(t) : Pb(t) : sw(t/m)				0.576			0.576
a(m) : b(m) : c(m)		2		0	4		0
B(cm) : H(cm) : L(m)		40	60	2	40	60	4
ANALYSIS							
- M (t-m)		**0.00**		**62.5**	**-62.5**		
+M (t-m)			**-27.3**				
x (m) for +M			1.00				
V (t)		23.4		39.0	31.2		
FLEXURE							
As (cm2) Support		+0.0		-38.0			
Span			-14.8				
As' (cm2)		-	-	-			
SHEAR							
STIRRUP **DB12**		**150**		**150**	**150**		
Vu (t)		-23.4		39.0	31.2		
0.85Vc (t)		15.4		15.4	15.4		
0.85Vs (t)		28.2		28.2	28.2		
0.85[Vc+Vs] (t)		43.6		43.6	43.6		
CHECK : 0.85Vn > Vu		Ok!		Ok!	Ok!		

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	PROJECT	WU
	TITLE	RC-BEAM ANALYSIS AND DESIGN (SDM)
	SUBJECT	
	PAGE	
	DESIGNED	
	DATE	

PARAMETERS	CONCRETE					
fc' (ksc)	240	Beta	0.850	ρ : Bal	G*Beta*6120/(6120+fy)	0.0262
fy (ksc)	4000	G 0.85fc'/fy	0.051	ρ : Max	0.75Bal	0.0197
SW (t/m3)	2.4	LF : DL+LL	1.00	ρ : Min	14/fy	0.0035
SW Considered ?	Y	LF : SW	1.40	Rmax	Max*fy[1-0.59*Max*fy/fc']	63.5

BEAM BRC4

-Cov = 5 +Cov = 5	CANTI.	SPAN 1			CANTI.		
wa : wb : wc (t/m)		3.5			3.5		
Pa(t) : Pb(t) : sw(t/m)				0.576			0.576
a(m) : b(m) : c(m)		5		0	6		0
B(cm) : H(cm) : L(m)		40	60	5	40	60	6
ANALYSIS							
- M (t-m)		0.00		77.5	-77.5		
+M (t-m)			-25.3				
x (m) for +M			2.50				
V (t)		-4.74		26.3	25.8		
FLEXURE							
As (cm2) Support		+0.0		-47.9			
Span			-13.6				
As' (cm2)		-		-	4.7		
SHEAR							
STIRRUP DB10		150		150	150		
Vu (t)		-4.7		26.3	25.8		
0.85Vc (t)		15.4		15.4	15.4		
0.85Vs (t)		19.6		19.6	19.6		
0.85[Vc+Vs] (t)		34.9		34.9	34.9		
CHECK : 0.85Vn > Vu		Ok!		Ok!	Ok!		

BEAM BR2

-Cov = 5 +Cov = 5	CANTI.	SPAN 1			CANTI.		
wa : wb : wc (t/m)		3.5					
Pa(t) : Pb(t) : sw(t/m)				0.576			
a(m) : b(m) : c(m)		10		0			
B(cm) : H(cm) : L(m)		40	60	10			
ANALYSIS							
- M (t-m)		0.00		0.00			
+M (t-m)			53.8				
x (m) for +M			5.00				
V (t)		21.5		21.5			
FLEXURE							
As (cm2) Support		+0.0		+0.0			
Span			+31.7				
As' (cm2)		-		-	-		
SHEAR							
STIRRUP DB10		150		150			
Vu (t)		21.5		21.5			
0.85Vc (t)		15.4		15.4			
0.85Vs (t)		19.6		19.6			
0.85[Vc+Vs] (t)		34.9		34.9			
CHECK : 0.85Vn > Vu		Ok!		Ok!			

BEAM BRC5

-Cov = 5 +Cov = 5	CANTI.	SPAN 1			CANTI.		
wa : wb : wc (t/m)					5.25		
Pa(t) : Pb(t) : sw(t/m)		10		0.576			0.576
a(m) : b(m) : c(m)		5	5	0	5		0
B(cm) : H(cm) : L(m)		40	60	10	40	60	5
ANALYSIS							
- M (t-m)		0.00		75.7	-75.7		
+M (t-m)			1.32				
x (m) for +M			1.81				
V (t)		1.46		16.6	30.3		
FLEXURE							
As (cm2) Support		+0.0		-46.9			
Span			+0.7				
As' (cm2)		-		-	3.7		
SHEAR							
STIRRUP DB10		150		150	150		
Vu (t)		1.5		16.6	30.3		
0.85Vc (t)		15.4		15.4	15.4		
0.85Vs (t)		19.6		19.6	19.6		
0.85[Vc+Vs] (t)		34.9		34.9	34.9		
CHECK : 0.85Vn > Vu		Ok!		Ok!	Ok!		

BEAM BR3

-Cov = 5 +Cov = 5	CANTI.	SPAN 1			CANTI.		
wa : wb : wc (t/m)		7					
Pa(t) : Pb(t) : sw(t/m)				0.27			
a(m) : b(m) : c(m)		5		0			
B(cm) : H(cm) : L(m)		25	45	5			
ANALYSIS							
- M (t-m)		0.00		0.00			
+M (t-m)			23.1				
x (m) for +M			2.50				
V (t)		18.4		18.4			
FLEXURE							
As (cm2) Support		+0.0		+0.0			
Span			+19.8				
As' (cm2)		-	0.16	-			
SHEAR							
STIRRUP DB10		150		150			
Vu (t)		18.4		18.4			
0.85Vc (t)		7.0		7.0			
0.85Vs (t)		14.2		14.2			
0.85[Vc+Vs] (t)		21.2		21.2			
CHECK : 0.85Vn > Vu		Ok!		Ok!			

BEAM BR6

-Cov = 5 +Cov = 5	CANTI.	SPAN 1			CANTI.		
wa : wb : wc (t/m)		2.8					
Pa(t) : Pb(t) : sw(t/m)				0.3			
a(m) : b(m) : c(m)		5		0			
B(cm) : H(cm) : L(m)		25	50	5			
ANALYSIS							
- M (t-m)		0.00		0.00			
+M (t-m)			10.1				
x (m) for +M			2.50				
V (t)		8.05		8.05			
FLEXURE							
As (cm2) Support		+0.0		+0.0			
Span			+6.6				
As' (cm2)		-		-			
SHEAR							
STIRRUP DB10		150		150			
Vu (t)		8.1		8.1			
0.85Vc (t)		7.9		7.9			
0.85Vs (t)		16.0		16.0			
0.85[Vc+Vs] (t)		23.9		23.9			
CHECK : 0.85Vn > Vu		Ok!		Ok!			

BEAM BR7

-Cov = 5 +Cov = 5	CANTI.	SPAN 1			CANTI.		
wa : wb : wc (t/m)		2.8					
Pa(t) : Pb(t) : sw(t/m)				0.3			
a(m) : b(m) : c(m)		10		0			
B(cm) : H(cm) : L(m)		25	50	10			
ANALYSIS							
- M (t-m)		0.00		0.00			
+M (t-m)			40.3				
x (m) for +M			5.00				
V (t)		16.1		16.1			
FLEXURE							
As (cm2) Support		+0.0		+0.0			
Span			+30.0				
As' (cm2)		-	7.86	-			
SHEAR							
STIRRUP DB12		150		150			
Vu (t)		16.1		16.1			
0.85Vc (t)		7.9		7.9			
0.85Vs (t)		23.1		23.1			
0.85[Vc+Vs] (t)		30.9		30.9			
CHECK : 0.85Vn > Vu		Ok!		Ok!			

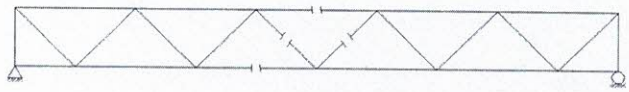
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	PROJECT WU **TITLE** SIMPLIFIED TRUSS ANALYSIS AND DESIGN **SUBJECT**	**PAGE** **DESIGNED** **DATE**

TRUSS NO.	T1
Fy (ksc)	2400
E (ksc)	2.04E+06
L (m)	5
H (m)	0.7
Nx	4
D (m)	0.62
Bay (m)	5
Sx (m)	1.25
Ld (m)	0.94
Ang (hor deg)	48.2

Nx @ Sx = L

H



ALLOWABLE STRESS FORMULAR

Fa,ine	$\{[1-0.5((kl/r)/Cc)^2]/[5/3+3/8*(kl/r)/Cc-1/8*((kl/r)/Cc)^3\}Fy$
Fa,e	$12/23*\pi^2E/(kl/r)^2$
Cc	$SQRT[2\pi^2Es/Fy]$
Cc	129.5

Loading	**Value**	**a (m)**	**b (m)**
w1 (t/m)	0.5	0	5
w2 (t/m)			
w3 (t/m)			
P1 (t)			
P2 (t)			
P3 (t)			
w,tri (t/m)			
Ml (t-m)			
Mr (t-m)			
Span Moment (t-m)			1.56
Position from left (m)			0.00
Shear (t)	Left		1.25
	Right		1.25

Designed Force

M (t-m)		1.56
V (t)		1.25

Couple Force

Ft = Fc (t)	*M/D*	2.53

Diagonal Force

Ft = Fc (t)	*V*(Ld/D)*	1.90

Reaction Force

Fc (t)	*V*	1.25

ELE NO.	**TOP CORD**			
P (t)	2.53		**Section Parameters**	
kx	1		A (cm2)	4.2
ky	1		Pt (t)	6.1
Lx (m)	1.25		rx (cm)	2.06
Ly (m)	1.25		ry (cm)	2.06
Section	CHS60.5x2.3		[kL]x/rx	60.7
			[kL]y/ry	60.7
Designed for	Compression		sw (kg/m)	3.3
[kL/r]max	60.7	> 5.0		
fa (ksc)	P/A	602		
Fa (ksc)	Fa,ine	1168 { 0.49Fy }		
Pa (t)	Fa,ine*A	4.9 > 2.53 Ok!		[0.52]

ELE NO.	**BOT CORD**			
P (t)	2.53		**Section Parameters**	
kx	1		A (cm2)	4.2
ky	1		Pt (t)	6.1
Lx (m)	10.00		rx (cm)	2.06
Ly (m)	1.25		ry (cm)	2.06
Section	CHS60.5x2.3		[kL]x/rx	485.4 > 300 !!
			[kL]y/ry	60.7
Designed for	Tension		sw (kg/m)	3.3
[kL/r]max	485.4	> 5.0		
fa (ksc)	P/A	602		
Fa (ksc)	0.66Fy	1584 { 0.66Fy }		
Pa (t)	0.66Fy*A	6.7 > 2.53 Ok!		[0.38]

ELE NO.	**DIAGONAL**			
P (t)	1.90		**Section Parameters**	
kx	1		A (cm2)	2.3
ky	1		Pt (t)	3.3
Lx (m)	0.94		rx (cm)	1.12
Ly (m)	0.94		ry (cm)	1.12
Section	CHS34x2.3		[kL]x/rx	83.8
			[kL]y/ry	83.8
Designed for	Compression		sw (kg/m)	1.8
[kL/r]max	83.8	> 5.0		
fa (ksc)	P/A	829		
Fa (ksc)	Fa,ine	1012 { 0.42Fy }		
Pa (t)	Fa,ine*A	2.3 > 1.9 Ok!		[0.82]

DEFECTION ANALYSIS

A (cm2)	4.2
e (cm)	31
Icord (cm4)	0
Sum Ix (cm4)	8,082
Defection	
Def (cm)	0.25
Def / L	1/ 2,026
x (m)	0.00
Rotation (degree)	
Left	0.09
Right	0.09

SELFWEIGHT ANALYSIS

MEMBER	**LENGTH**	**NO**	**sw (kg/m)**	**sw (kg)**	**Ratio**
TOP CORD	5.0	1	3.3	16.5	*0.355*
BOT CORD	5.0	1	3.3	16.5	*0.355*
DIAGONAL	0.94	8	1.8	13.5	*0.291*
			Total SW	47	1.00

Truss's Weight	SW	*47*	*kg*
	SW/L	*9.3*	*kg/m*
	SW/(L*Bay)	*1.86*	*kg/m2*

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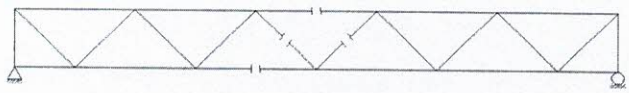
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TYPE-01

	PROJECT WU **TITLE** SIMPLIFIED TRUSS ANALYSIS AND DESIGN **SUBJECT**	**PAGE** **DESIGNED** **DATE**

TRUSS NO.	T1A.1
Fy (ksc)	2400
E (ksc)	2.04E+06
L (m)	7.5
H (m)	0.7
Nx	10
D (m)	0.62
Bay (m)	5
Sx (m)	0.75
Ld (m)	0.79
Ang (hor deg)	61.8

Nx @ Sx = L



ALLOWABLE STRESS FORMULAR	
Fa,ine	$\{[1-0.5((kl/r)/Cc)^2]/[5/3+3/8*(kl/r)/Cc-1/8*((kl/r)/Cc)^3\}Fy$
Fa,e	$12/23*\pi^2E/(kl/r)^2$
Cc	$SQRT[2\pi^2Es/Fy]$
Cc	129.5

Loading	**Value**	**a (m)**	**b (m)**
w1 (t/m)	0.5	0	7.5
w2 (t/m)			
w3 (t/m)			
P1 (t)			
P2 (t)			
P3 (t)			
w,tri (t/m)			
Ml (t-m)			
Mr (t-m)			
Span Moment (t-m)			3.52
Position from left (m)			0.00
Shear (t)	Left		1.88
	Right		1.88

Designed Force

M (t-m)		3.52
V (t)		1.88

Couple Force

Ft = Fc (t)	*M/D*	5.68

Diagonal Force

Ft = Fc (t)	*V*(Ld/D)*	2.41

Reaction Force

Fc (t)	*V*	1.88

ELE NO.	**TOP CORD**			
P (t)	5.68		**Section Parameters**	
kx	1		A (cm2)	6.5
ky	1		Pt (t)	9.3
Lx (m)	0.75		rx (cm)	2.60
Ly (m)	0.75		ry (cm)	2.60
Section	CHS76.3x2.8		[kL]x/rx	28.8
			[kL]y/ry	28.8
Designed for	Compression		sw (kg/m)	5.1
[kL/r]max	28.8	> 7.5		
fa (ksc)	P/A	879		
Fa (ksc)	Fa,ine	1338	{ 0.56Fy }	
Pa (t)	Fa,ine*A	8.7 > 5.68	Ok!	[0.66]

ELE NO.	**BOT CORD**			
P (t)	5.68		**Section Parameters**	
kx	1		A (cm2)	6.5
ky	1		Pt (t)	9.3
Lx (m)	5.00		rx (cm)	2.60
Ly (m)	0.75		ry (cm)	2.60
Section	CHS76.3x2.8		[kL]x/rx	192.3
			[kL]y/ry	28.8
Designed for	Tension		sw (kg/m)	5.1
[kL/r]max	192.3	> 7.5		
fa (ksc)	P/A	879		
Fa (ksc)	0.66Fy	1584	{ 0.66Fy }	
Pa (t)	0.66Fy*A	10.2 > 5.68	Ok!	[0.55]

ELE NO.	**DIAGONAL**			
P (t)	2.41		**Section Parameters**	
kx	1		A (cm2)	2.9
ky	1		Pt (t)	4.2
Lx (m)	0.79		rx (cm)	1.43
Ly (m)	0.79		ry (cm)	1.43
Section	CHS42.7x2.3		[kL]x/rx	55.5
			[kL]y/ry	55.5
Designed for	Compression		sw (kg/m)	2.3
[kL/r]max	55.5	> 7.5		
fa (ksc)	P/A	825		
Fa (ksc)	Fa,ine	1199	{ 0.50Fy }	
Pa (t)	Fa,ine*A	3.5 > 2.41	Ok!	[0.69]

DEFECTION ANALYSIS

A (cm2)	6.5
e (cm)	31
Icord (cm4)	0
Sum Ix (cm4)	12,426
Defection	
Def (cm)	0.81
Def / L	1/ 923
x (m)	0.00
Rotation (degree)	
Left	0.20
Right	0.20

SELFWEIGHT ANALYSIS

MEMBER	**LENGTH**	**NO**	**sw (kg/m)**	**sw (kg)**	**Ratio**
TOP CORD	7.5	1	5.08	38.1	*0.338*
BOT CORD	7.5	1	5.08	38.1	*0.338*
DIAGONAL	0.79	20	2.3	36.4	*0.323*
			Total SW	113	1.00

Truss's Weight	SW	*113*	*kg*
	SW/L	*15.0*	*kg/m*
	SW/(L*Bay)	*3.00*	*kg/m2*

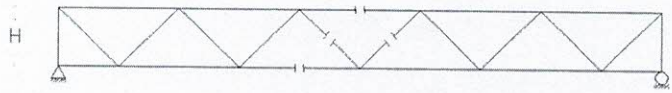
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	PROJECT WU **TITLE** SIMPLIFIED TRUSS ANALYSIS AND DESIGN **SUBJECT**	**PAGE** **DESIGNED** **DATE**

TRUSS NO.	T1A
Fy (ksc)	2400
E (ksc)	2.04E+06
L (m)	10
H (m)	0.7
Nx	8
D (m)	0.62
Bay (m)	5
Sx (m)	1.25
Ld (m)	0.94
Ang (hor deg)	48.2

Nx @ Sx = L



Loading	**Value**	**a (m)**	**b (m)**
w1 (t/m)	0.5	0	10
w2 (t/m)			
w3 (t/m)			
P1 (t)			
P2 (t)			
P3 (t)			
w,tri (t/m)			
Ml (t-m)			
Mr (t-m)			
Span Moment (t-m)			6.25
Position from left (m)			0.00
Shear (t)	Left		2.50
	Right		2.50

ALLOWABLE STRESS FORMULAR	
Fa,ine	$\{[1-0.5((kl/r)/Cc)^2]/[5/3+3/8*(kl/r)/Cc-1/8*((kl/r)/Cc)^3\}Fy$
Fa,e	$12/23*\pi^2E/(kl/r)^2$
Cc	$SQRT[2\pi^2Es/Fy]$
Cc	129.5

Designed Force

M (t-m)		6.25
V (t)		2.50

Couple Force

Ft = Fc (t)	*M/D*	10.09

Diagonal Force

Ft = Fc (t)	*V*(Ld/D)*	3.79

Reaction Force

Fc (t)	*V*	2.50

ELE NO.	**TOP CORD**			
P (t)	10.09		**Section Parameters**	
kx	0.75		A (cm2)	8.6
ky	1		Pt (t)	12.4
Lx (m)	1.25		rx (cm)	3.04
Ly (m)	1.25		ry (cm)	3.04
Section	CHS89.1x3.2		[kL]x/rx	30.8
			[kL]y/ry	41.1
Designed for	Compression		sw (kg/m)	6.8
[kL/r]max	41.1	> 10.0		
fa (ksc)	P/A	1168		
Fa (ksc)	Fa,ine	1279 { 0.53Fy }		
Pa (t)	Fa,ine*A	11.0 > 10.09 Ok!		[0.91]

ELE NO.	**BOT CORD**			
P (t)	10.09		**Section Parameters**	
kx	1		A (cm2)	8.6
ky	1		Pt (t)	12.4
Lx (m)	10.00		rx (cm)	3.04
Ly (m)	1.25		ry (cm)	3.04
Section	CHS89.1x3.2		[kL]x/rx	328.9 > 300 !!
			[kL]y/ry	41.1
Designed for	Tension		sw (kg/m)	6.8
[kL/r]max	328.9	> 10.0		
fa (ksc)	P/A	1168		
Fa (ksc)	0.66Fy	1584 { 0.66Fy }		
Pa (t)	0.66Fy*A	13.7 > 10.09 Ok!		[0.74]

ELE NO.	**DIAGONAL**			
P (t)	3.79		**Section Parameters**	
kx	1		A (cm2)	3.5
ky	1		Pt (t)	5.1
Lx (m)	0.94		rx (cm)	1.41
Ly (m)	0.94		ry (cm)	1.41
Section	CHS42.7x2.8		[kL]x/rx	66.6
			[kL]y/ry	66.6
Designed for	Compression		sw (kg/m)	2.8
[kL/r]max	66.6	> 10.0		
fa (ksc)	P/A	1080		
Fa (ksc)	Fa,ine	1131 { 0.47Fy }		
Pa (t)	Fa,ine*A	4.0 > 3.79 Ok!		[0.95]

DEFECTION ANALYSIS

A (cm2)	8.6
e (cm)	31
Icord (cm4)	0
Sum Ix (cm4)	16,598
Defection	
Def (cm)	1.92
Def / L	1/ 520
x (m)	0.00
Rotation (degree)	
Left	0.35
Right	0.35

SELFWEIGHT ANALYSIS

MEMBER	**LENGTH**	**NO**	**sw (kg/m)**	**sw (kg)**	**Ratio**
TOP CORD	10.0	1	6.78	67.8	*0.383*
BOT CORD	10.0	1	6.78	67.8	*0.383*
DIAGONAL	0.94	16	2.8	41.4	*0.234*
			Total SW	177	1.00

Truss's Weight	SW	*177*	*kg*
	SW/L	*17.7*	*kg/m*
	SW/(L*Bay)	*3.54*	*kg/m2*

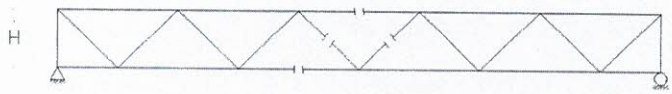
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TRUSS NO.	T1B
Fy (ksc)	2400
E (ksc)	2.04E+06
L (m)	12.5
H (m)	0.7
Nx	10
D (m)	0.62
Bay (m)	5
Sx (m)	1.25
Ld (m)	0.94
Ang (hor deg)	48.2

Nx @ Sx = L



ALLOWABLE STRESS FORMULAR	
Fa,ine	$\{[1-0.5((kl/r)/Cc)^2]/[5/3+3/8*(kl/r)/Cc-1/8*((kl/r)/Cc)^3\}Fy$
Fa,e	$12/23*\pi^2E/(kl/r)^2$
Cc	$SQRT[2\pi^2Es/Fy]$
Cc	129.5

Loading	**Value**	**a (m)**	**b (m)**
w1 (t/m)	0.5	0	12.5
w2 (t/m)			
w3 (t/m)			
P1 (t)			
P2 (t)			
P3 (t)			
w,tri (t/m)			
Ml (t-m)			
Mr (t-m)			
Span Moment (t-m)			9.77
Position from left (m)			0.00
Shear (t)	Left		3.13
	Right		3.13

Designed Force

M (t-m)		9.77
V (t)		3.13

Couple Force

Ft = Fc (t)	*M/D*	15.76

Diagonal Force

Ft = Fc (t)	*V*(Ld/D)*	4.73

Reaction Force

Fc (t)	*V*	3.13

ELE NO.	**TOP CORD**			
P (t)	15.76		**Section Parameters**	
kx	1		A (cm2)	12.3
ky	1		Pt (t)	17.7
Lx (m)	1.25		rx (cm)	3.45
Ly (m)	1.25		ry (cm)	3.45
Section	CHS101.6x4		[kL]x/rx	36.2
			[kL]y/ry	36.2
Designed for	Compression		sw (kg/m)	9.6
[kL/r]max	36.2	> 12.5		
fa (ksc)	P/A	1285		
Fa (ksc)	Fa,ine	1304	{ 0.54Fy }	
Pa (t)	Fa,ine*A	16.0 > 15.76	Ok!	[0.99]

ELE NO.	**BOT CORD**			
P (t)	15.76		**Section Parameters**	
kx	1		A (cm2)	12.3
ky	1		Pt (t)	17.7
Lx (m)	5.00		rx (cm)	3.45
Ly (m)	1.25		ry (cm)	3.45
Section	CHS101.6x4		[kL]x/rx	144.9
			[kL]y/ry	36.2
Designed for	Tension		sw (kg/m)	9.6
[kL/r]max	144.9	> 12.5		
fa (ksc)	P/A	1285		
Fa (ksc)	0.66Fy	1584	{ 0.66Fy }	
Pa (t)	0.66Fy*A	19.4 > 15.76	Ok!	[0.81]

ELE NO.	**DIAGONAL**			
P (t)	4.73		**Section Parameters**	
kx	1		A (cm2)	4.2
ky	1		Pt (t)	6.1
Lx (m)	0.94		rx (cm)	2.06
Ly (m)	0.94		ry (cm)	2.06
Section	CHS60.5x2.3		[kL]x/rx	45.6
			[kL]y/ry	45.6
Designed for	Compression		sw (kg/m)	3.3
[kL/r]max	45.6	> 12.5		
fa (ksc)	P/A	1125		
Fa (ksc)	Fa,ine	1256	{ 0.52Fy }	
Pa (t)	Fa,ine*A	5.3 > 4.73	Ok!	[0.90]

DEFECTION ANALYSIS

A (cm2)	12.3
e (cm)	31
Icord (cm4)	0
Sum Ix (cm4)	23,564
Defection	
Def (cm)	3.31
Def / L	1/ 378
x (m)	0.00
Rotation (degree)	
Left	0.48
Right	0.48

SELFWEIGHT ANALYSIS

MEMBER	**LENGTH**	**NO**	**sw (kg/m)**	**sw (kg)**	**Ratio**
TOP CORD	12.5	1	9.63	120.4	*0.398*
BOT CORD	12.5	1	9.63	120.4	*0.398*
DIAGONAL	0.94	20	3.3	61.9	*0.205*
			Total SW	303	1.00

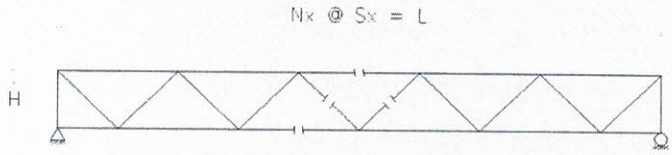
Truss's Weight	SW	***303***	*kg*
	SW/L	*24.2*	*kg/m*
	SW/(L*Bay)	*4.84*	*kg/m2*

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TRUSS NO.	T2
Fy (ksc)	2400
E (ksc)	2.04E+06
L (m)	10
H (m)	0.7
Nx	8
D (m)	0.62
Bay (m)	5
Sx (m)	1.25
Ld (m)	0.94
Ang (hor deg)	48.2



ALLOWABLE STRESS FORMULAR	
Fa,ine	$\{[1-0.5((kl/r)/Cc)^2]/[5/3+3/8*(kl/r)/Cc-1/8*((kl/r)/Cc)^3\}Fy$
Fa,e	$12/23*\pi^2E/(kl/r)^2$
Cc	$SQRT[2\pi^2Es/Fy]$
Cc	129.5

Loading	**Value**	**a (m)**	**b (m)**
w1 (t/m)		0	10
w2 (t/m)			
w3 (t/m)			
P1 (t)	3.75	5	-
P2 (t)			
P3 (t)			
w,tri (t/m)			
Ml (t-m)			
Mr (t-m)			
Span Moment (t-m)			9.38
Position from left (m)			0.00
Shear (t)	Left		1.88
	Right		1.88

Designed Force

M (t-m)		9.38
V (t)		1.88

Couple Force

Ft = Fc (t)	*M/D*	15.13

Diagonal Force

Ft = Fc (t)	*V*(Ld/D)*	2.84

Reaction Force

Fc (t)	*V*	1.88

ELE NO.	**TOP CORD**			
P (t)	15.13		**Section Parameters**	
kx	0.75		A (cm2)	17.1
ky	1		Pt (t)	24.6
Lx (m)	5.00		rx (cm)	4.98
Ly (m)	1.25		ry (cm)	1.90
Section	[125x65x6x8		[kL]x/rx	75.3
			[kL]y/ry	65.8
Designed for	Compression		sw (kg/m)	13.4
[kL/r]max	75.3	> 10.0		
fa (ksc)	P/A	885		
Fa (ksc)	Fa,ine	1072 { 0.45Fy }		
Pa (t)	Fa,ine*A	18.3 > 15.13 Ok!		[0.83]

ELE NO.	**BOT CORD**			
P (t)	15.13		**Section Parameters**	
kx	1		A (cm2)	17.1
ky	1		Pt (t)	24.6
Lx (m)	5.00		rx (cm)	4.98
Ly (m)	1.25		ry (cm)	1.90
Section	[125x65x6x8		[kL]x/rx	100.4
			[kL]y/ry	65.8
Designed for	Tension		sw (kg/m)	13.4
[kL/r]max	100.4	> 10.0		
fa (ksc)	P/A	885		
Fa (ksc)	0.66Fy	1584 { 0.66Fy }		
Pa (t)	0.66Fy*A	27.1 > 15.13 Ok!		[0.56]

ELE NO.	**DIAGONAL**			
P (t)	2.84		**Section Parameters**	
kx	1		A (cm2)	3.5
ky	1		Pt (t)	5.1
Lx (m)	0.94		rx (cm)	1.41
Ly (m)	0.94		ry (cm)	1.41
Section	CHS42.7x2.8		[kL]x/rx	66.6
			[kL]y/ry	66.6
Designed for	Compression		sw (kg/m)	2.8
[kL/r]max	66.6	> 10.0		
fa (ksc)	P/A	809		
Fa (ksc)	Fa,ine	1131 { 0.47Fy }		
Pa (t)	Fa,ine*A	4.0 > 2.84 Ok!		[0.72]

DEFECTION ANALYSIS

A (cm2)	17.1
e (cm)	31
Icord (cm4)	0
Sum Ix (cm4)	32,866
Defection	
Def (cm)	1.17
Def / L	1/ 858
x (m)	0.00
Rotation (degree)	
Left	0.20
Right	0.20

SELFWEIGHT ANALYSIS

MEMBER	**LENGTH**	**NO**	**sw (kg/m)**	**sw (kg)**	**Ratio**
TOP CORD	10.0	1	13.4	134.0	*0.433*
BOT CORD	10.0	1	13.4	134.0	*0.433*
DIAGONAL	0.94	16	2.8	41.4	*0.134*
			Total SW	309	1.00

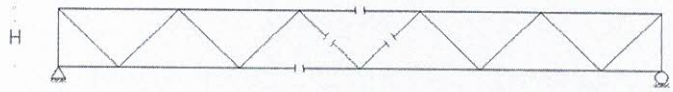
Truss's Weight	SW	*309*	*kg*
	SW/L	*30.9*	*kg/m*
	SW/(L*Bay)	*6.19*	*kg/m2*

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TRUSS NO.	T3
Fy (ksc)	2400
E (ksc)	2.04E+06
L (m)	7.5
H (m)	0.7
Nx	6
D (m)	0.62
Bay (m)	5
Sx (m)	1.25
Ld (m)	0.94
Ang (hor deg)	48.2

Nx @ Sx = L



Loading	Value	a (m)	b (m)
w1 (t/m)		0	7.5
w2 (t/m)			
w3 (t/m)			
P1 (t)	1.875	3.75	-
P2 (t)			
P3 (t)			
w,tri (t/m)			
Ml (t-m)			
Mr (t-m)			
Span Moment (t-m)			3.52
Position from left (m)			0.00
Shear (t)	Left		0.94
	Right		0.94

ALLOWABLE STRESS FORMULAR

Fa,ine	$\{[1-0.5((kl/r)/Cc)^2]/[5/3+3/8*(kl/r)/Cc-1/8*((kl/r)/Cc)^3\}Fy$
Fa,e	$12/23*\pi^2E/(kl/r)^2$
Cc	$SQRT[2\pi^2Es/Fy]$
Cc	129.5

Designed Force

M (t-m)		3.52
V (t)		0.94

Couple Force

Ft = Fc (t)	*M/D*	5.68

Diagonal Force

Ft = Fc (t)	*V*(Ld/D)*	1.42

Reaction Force

Fc (t)	*V*	0.94

ELE NO.	**TOP CORD**			
P (t)	5.68		**Section Parameters**	
kx	0.75		A (cm2)	7.6
ky	1		Pt (t)	10.9
Lx (m)	3.75		rx (cm)	3.05
Ly (m)	1.25		ry (cm)	3.05
Section	CHS89.1x2.8		[kL]x/rx	92.2
			[kL]y/ry	41.0
Designed for	Compression		sw (kg/m)	6.0
[kL/r]max	92.2	> 7.5		
fa (ksc)	P/A	748		
Fa (ksc)	Fa,ine	949 { 0.40Fy }		
Pa (t)	Fa,ine*A	7.2 > 5.68 Ok!		[0.79]

ELE NO.	**BOT CORD**			
P (t)	5.68		**Section Parameters**	
kx	1		A (cm2)	7.6
ky	1		Pt (t)	10.9
Lx (m)	5.00		rx (cm)	3.05
Ly (m)	1.25		ry (cm)	3.05
Section	CHS89.1x2.8		[kL]x/rx	163.9
			[kL]y/ry	41.0
Designed for	Tension		sw (kg/m)	6.0
[kL/r]max	163.9	> 7.5		
fa (ksc)	P/A	748		
Fa (ksc)	0.66Fy	1584 { 0.66Fy }		
Pa (t)	0.66Fy*A	12.0 > 5.68 Ok!		[0.47]

ELE NO.	**DIAGONAL**			
P (t)	1.42		**Section Parameters**	
kx	1		A (cm2)	2.9
ky	1		Pt (t)	4.2
Lx (m)	0.94		rx (cm)	1.43
Ly (m)	0.94		ry (cm)	1.43
Section	CHS42.7x2.3		[kL]x/rx	65.6
			[kL]y/ry	65.6
Designed for	Compression		sw (kg/m)	2.3
[kL/r]max	65.6	> 7.5		
fa (ksc)	P/A	486		
Fa (ksc)	Fa,ine	1137 { 0.47Fy }		
Pa (t)	Fa,ine*A	3.3 > 1.42 Ok!		[0.43]

DEFECTION ANALYSIS

A (cm2)	7.6
e (cm)	31
Icord (cm4)	0
Sum Ix (cm4)	14,590
Defection	
Def (cm)	0.55
Def / L	1/ 1,355
x (m)	0.00
Rotation (degree)	
Left	0.13
Right	0.13

SELFWEIGHT ANALYSIS

MEMBER	LENGTH	NO	sw (kg/m)	sw (kg)	Ratio
TOP CORD	7.5	1	5.96	44.7	*0.388*
BOT CORD	7.5	1	5.96	44.7	*0.388*
DIAGONAL	0.94	12	2.3	25.8	*0.224*
			Total SW	115	1.00

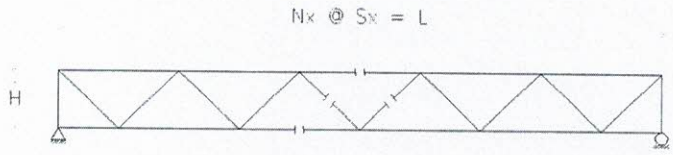
Truss's Weight	SW	***115***	*kg*
	SW/L	*15.4*	*kg/m*
	SW/(L*Bay)	*3.07*	*kg/m2*

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TRUSS NO.	T4
Fy (ksc)	2400
E (ksc)	2.04E+06
L (m)	10
H (m)	0.7
Nx	6
D (m)	0.62
Bay (m)	5
Sx (m)	1.67
Ld (m)	1.09
Ang (hor deg)	40.0



Loading	**Value**	**a (m)**	**b (m)**
w1 (t/m)		0	10
w2 (t/m)			
w3 (t/m)			
P1 (t)	5	5	-
P2 (t)			
P3 (t)			
w,tri (t/m)			
Ml (t-m)			
Mr (t-m)			
Span Moment (t-m)			12.50
Position from left (m)			0.00
Shear (t)	Left		2.50
	Right		2.50

ALLOWABLE STRESS FORMULAR

Fa,ine	$\{[1-0.5((kl/r)/Cc)^2]/[5/3+3/8*(kl/r)/Cc-1/8*((kl/r)/Cc)^3\}Fy$
Fa,e	$12/23*\pi^2E/(kl/r)^2$
Cc	$SQRT[2\pi^2Es/Fy]$
Cc	129.5

Designed Force

M (t-m)		12.50
V (t)		2.50

Couple Force

Ft = Fc (t)	*M/D*	20.17

Diagonal Force

Ft = Fc (t)	*V*(Ld/D)*	4.39

Reaction Force

Fc (t)	*V*	2.50

ELE NO.	**TOP CORD**			
P (t)	20.17		**Section Parameters**	
kx	0.75		A (cm2)	23.7
ky	1		Pt (t)	34.1
Lx (m)	3.75		rx (cm)	6.03
Ly (m)	1.67		ry (cm)	2.22
Section	[150x75x6.5x10		[kL]x/rx	46.6
			[kL]y/ry	75.1
Designed for	Compression		sw (kg/m)	18.6
[kL/r]max	75.1	> 10.0		
fa (ksc)	P/A	851		
Fa (ksc)	Fa,ine	1074 { 0.45Fy }		
Pa (t)	Fa,ine*A	25.5 > 20.17 Ok!		[0.79]

ELE NO.	**BOT CORD**			
P (t)	20.17		**Section Parameters**	
kx	1		A (cm2)	23.7
ky	1		Pt (t)	34.1
Lx (m)	5.00		rx (cm)	6.03
Ly (m)	1.67		ry (cm)	2.22
Section	[150x75x6.5x10		[kL]x/rx	82.9
			[kL]y/ry	75.1
Designed for	Tension		sw (kg/m)	18.6
[kL/r]max	82.9	> 10.0		
fa (ksc)	P/A	851		
Fa (ksc)	0.66Fy	1584 { 0.66Fy }		
Pa (t)	0.66Fy*A	37.6 > 20.17 Ok!		[0.54]

ELE NO.	**DIAGONAL**			
P (t)	4.39		**Section Parameters**	
kx	1		A (cm2)	4.0
ky	1		Pt (t)	5.8
Lx (m)	1.09		rx (cm)	1.62
Ly (m)	1.09		ry (cm)	1.62
Section	CHS48.6x2.8		[kL]x/rx	67.2
			[kL]y/ry	67.2
Designed for	Compression		sw (kg/m)	3.2
[kL/r]max	67.2	> 10.0		
fa (ksc)	P/A	1090		
Fa (ksc)	Fa,ine	1127 { 0.47Fy }		
Pa (t)	Fa,ine*A	4.5 > 4.39 Ok!		[0.97]

DEFECTION ANALYSIS

A (cm2)	23.7
e (cm)	31
Icord (cm4)	0
Sum Ix (cm4)	45,571
Defection	
Def (cm)	1.12
Def / L	1/ 892
x (m)	0.00
Rotation (degree)	
Left	0.19
Right	0.19

SELFWEIGHT ANALYSIS

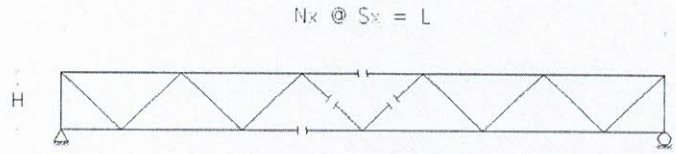
MEMBER	**LENGTH**	**NO**	**sw (kg/m)**	**sw (kg)**	**Ratio**
TOP CORD	10.0	1	18.6	186.0	*0.450*
BOT CORD	10.0	1	18.6	186.0	*0.450*
DIAGONAL	1.09	12	3.2	41.3	*0.100*
			Total SW	413	1.00

Truss's Weight	SW	***413***	*kg*
	SW/L	*41.3*	*kg/m*
	SW/(L*Bay)	*8.27*	*kg/m2*

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TRUSS NO.	TX1
Fy (ksc)	2400
E (ksc)	2.04E+06
L (m)	10
H (m)	0.7
Nx	8
D (m)	0.62
Bay (m)	5
Sx (m)	1.25
Ld (m)	0.94
Ang (hor deg)	48.2



Loading	**Value**	**a (m)**	**b (m)**
w1 (t/m)	0.4375	0	10
w2 (t/m)			
w3 (t/m)			
P1 (t)	1.875	5	-
P2 (t)			
P3 (t)			
w,tri (t/m)			
Ml (t-m)			
Mr (t-m)			
Span Moment (t-m)			10.16
Position from left (m)			0.00
Shear (t)	Left		3.13
	Right		3.13

ALLOWABLE STRESS FORMULAR

Fa,ine	$\{[1-0.5((kl/r)/Cc)^2]/[5/3+3/8*(kl/r)/Cc-1/8*((kl/r)/Cc)^3\}Fy$
Fa,e	$12/23*\pi^2E/(kl/r)^2$
Cc	$SQRT[2\pi^2Es/Fy]$
Cc	129.5

Designed Force

M (t-m)		10.16
V (t)		3.13

Couple Force

Ft = Fc (t)	*M/D*	16.39

Diagonal Force

Ft = Fc (t)	*V*(Ld/D)*	4.73

Reaction Force

Fc (t)	*V*	3.13

ELE NO.	**TOP CORD**			
P (t)	16.39		**Section Parameters**	
kx	1		A (cm2)	12.5
ky	1		Pt (t)	18.0
Lx (m)	1.25		rx (cm)	3.92
Ly (m)	1.25		ry (cm)	3.92
Section	CHS114.3x3.6		[kL]x/rx	31.9
			[kL]y/ry	31.9
Designed for	Compression		sw (kg/m)	9.8
[kL/r]max	31.9	> 10.0		
fa (ksc)	P/A	1309		
Fa (ksc)	Fa,ine	1324 { 0.55Fy }		
Pa (t)	Fa,ine*A	16.6 > 16.39 Ok!		[0.99]

ELE NO.	**BOT CORD**			
P (t)	16.39		**Section Parameters**	
kx	1		A (cm2)	12.5
ky	1		Pt (t)	18.0
Lx (m)	10.00		rx (cm)	3.92
Ly (m)	1.25		ry (cm)	3.92
Section	CHS114.3x3.6		[kL]x/rx	255.1 > 240 !
			[kL]y/ry	31.9
Designed for	Tension		sw (kg/m)	9.8
[kL/r]max	255.1	> 10.0		
fa (ksc)	P/A	1309		
Fa (ksc)	0.66Fy	1584 { 0.66Fy }		
Pa (t)	0.66Fy*A	19.8 > 16.39 Ok!		[0.83]

ELE NO.	**DIAGONAL**			
P (t)	4.73		**Section Parameters**	
kx	1		A (cm2)	4.2
ky	1		Pt (t)	6.1
Lx (m)	0.94		rx (cm)	2.06
Ly (m)	0.94		ry (cm)	2.06
Section	CHS60.5x2.3		[kL]x/rx	45.6
			[kL]y/ry	45.6
Designed for	Compression		sw (kg/m)	3.3
[kL/r]max	45.6	> 10.0		
fa (ksc)	P/A	1125		
Fa (ksc)	Fa,ine	1256 { 0.52Fy }		
Pa (t)	Fa,ine*A	5.3 > 4.73 Ok!		[0.90]

DEFECTION ANALYSIS

A (cm2)	12.5
e (cm)	31
Icord (cm4)	0
Sum Ix (cm4)	24,063
Defection	
Def (cm)	1.96
Def / L	1/ 511
x (m)	0.00
Rotation (degree)	
Left	0.35
Right	0.35

SELFWEIGHT ANALYSIS

MEMBER	**LENGTH**	**NO**	**sw (kg/m)**	**sw (kg)**	**Ratio**
TOP CORD	10.0	1	9.83	98.3	*0.399*
BOT CORD	10.0	1	9.83	98.3	*0.399*
DIAGONAL	0.94	16	3.3	49.5	*0.201*
			Total SW	246	1.00

Truss's Weight	SW	***246***	*kg*
	SW/L	*24.6*	*kg/m*
	SW/(L*Bay)	*4.92*	*kg/m2*

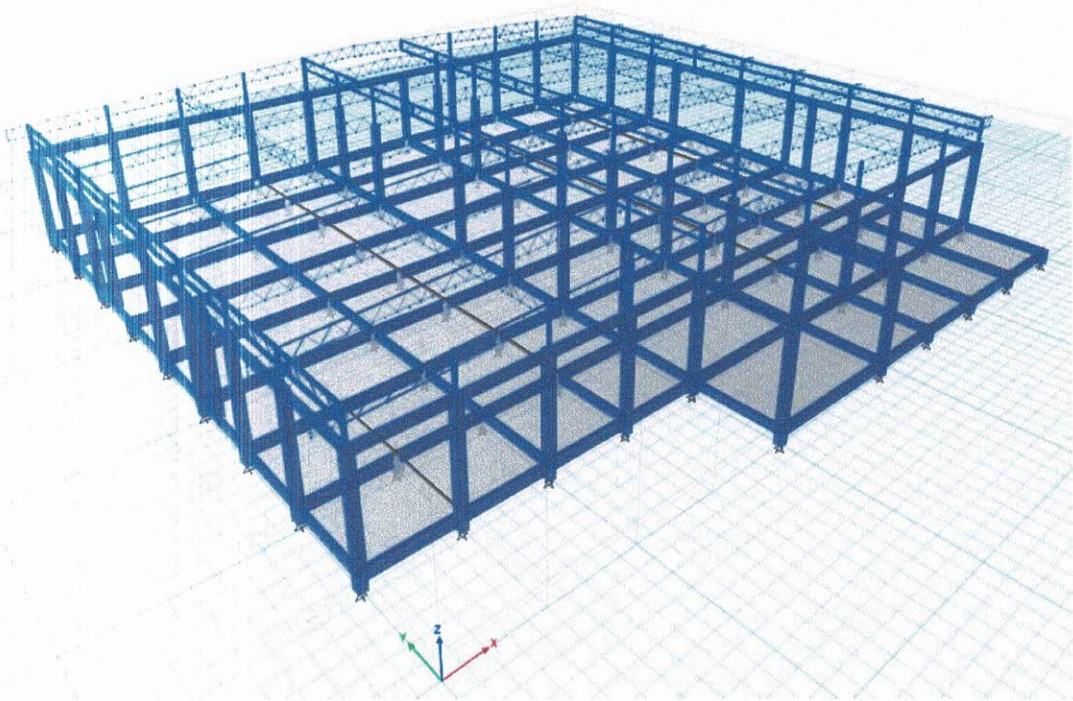
TYPE-01

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รายการคำนวณโครงสร้าง

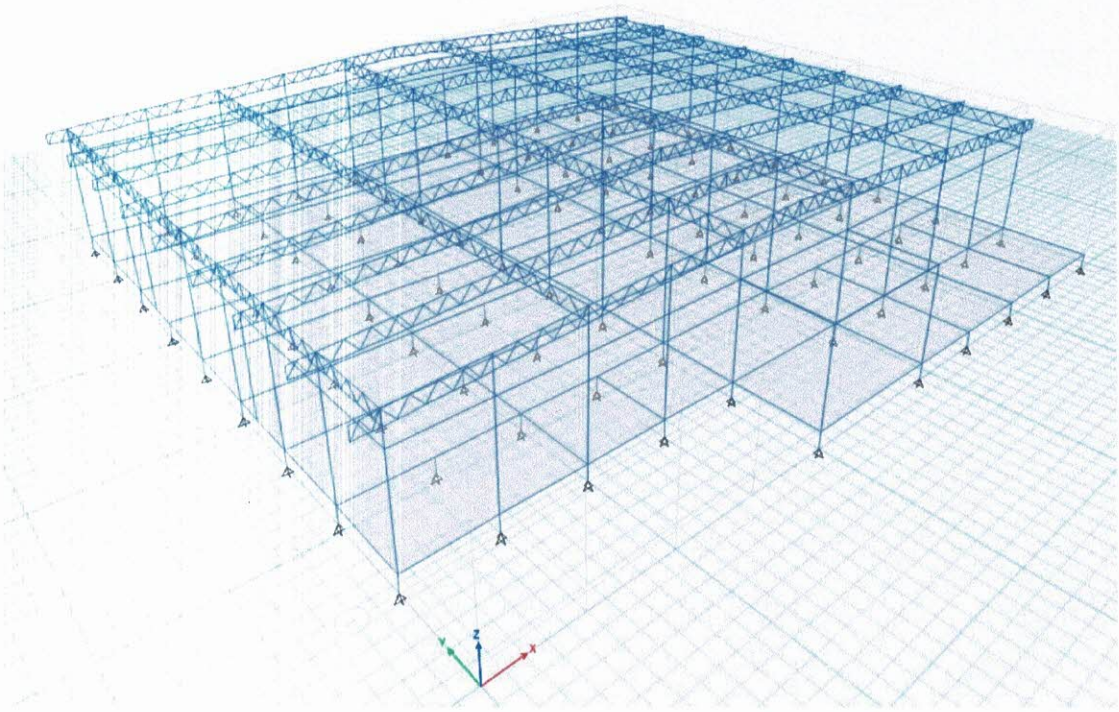
อาคาร B

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นายสมภพ เงาจินตรักษ์ วย.1754

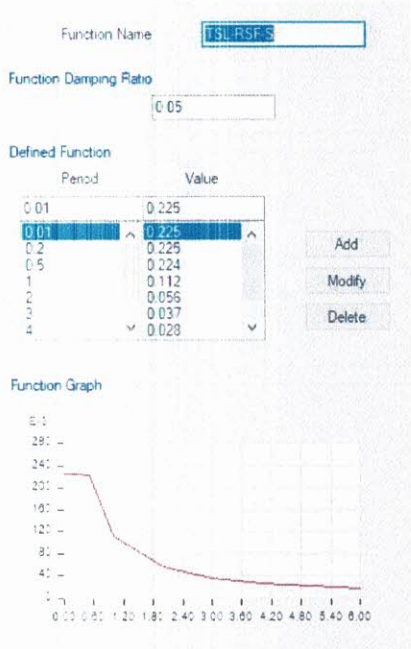


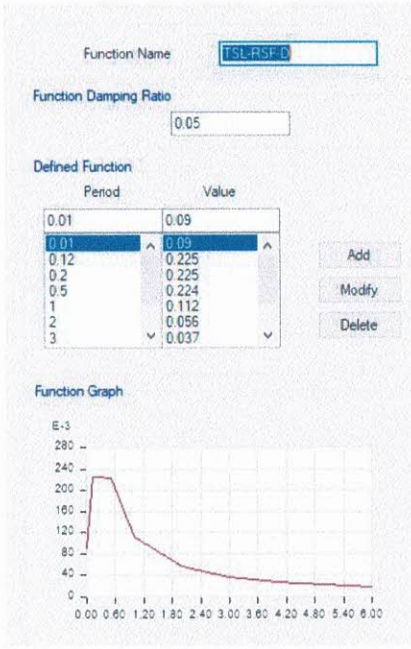
แบบจำลอง

วิศวกรผู้ออกแบบงานโครงสร้าง
นายสมภพ เงาจินดารักษ์ วย.1754



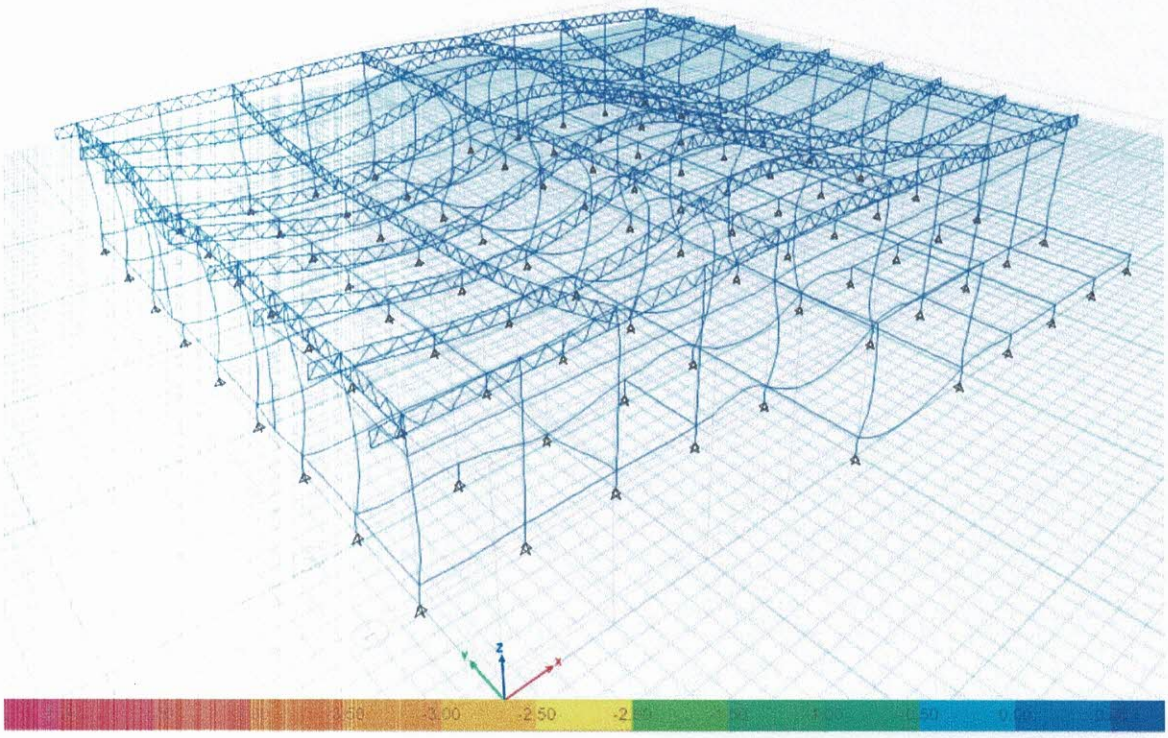
แบบจำลอง





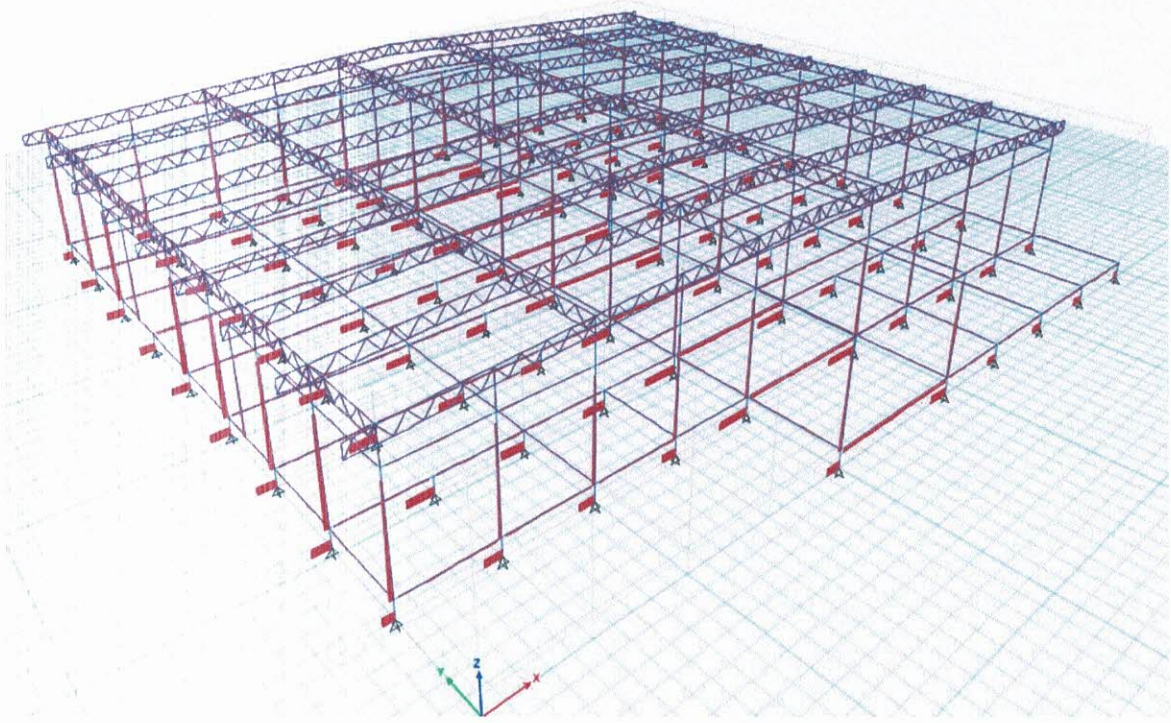
RESPONSE SPECTRUM

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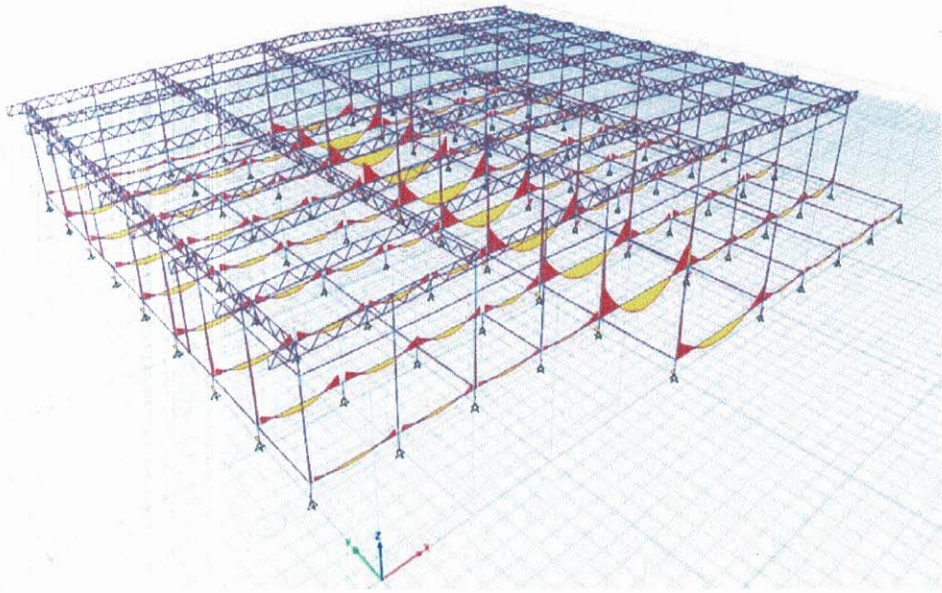


DISPLACEMENT

วิศวกรผู้ออกแบบงานโครงสร้าง
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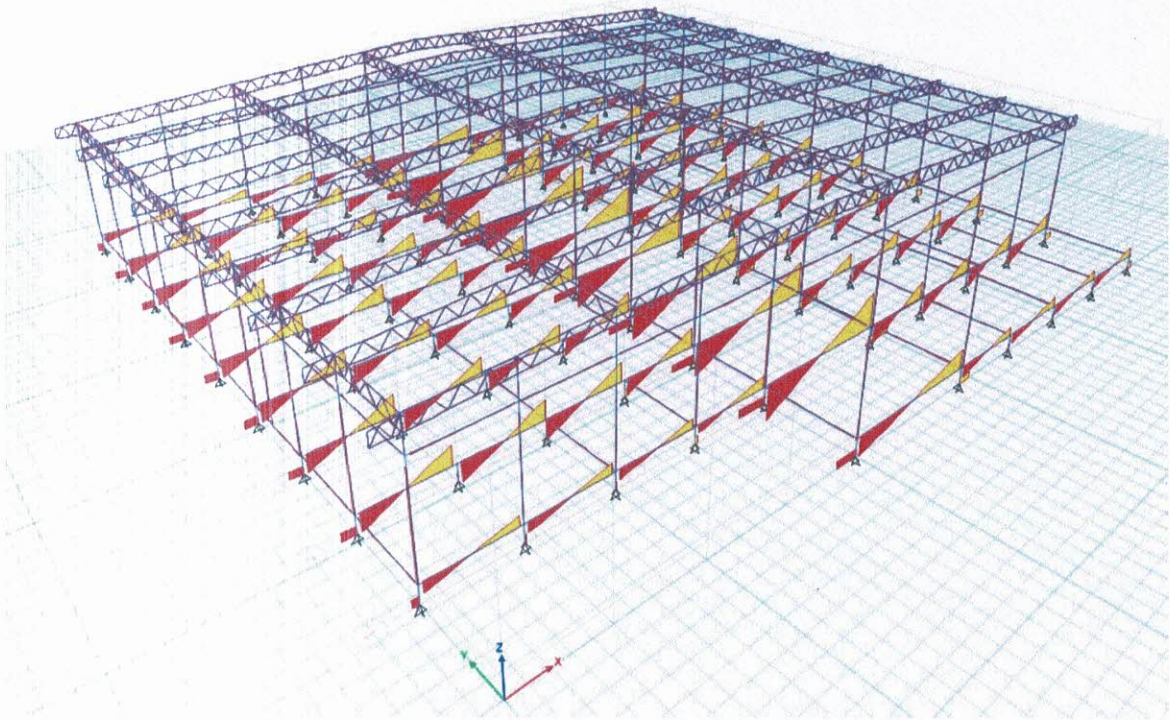


AXIAL FORCE



BENDING MOMENT

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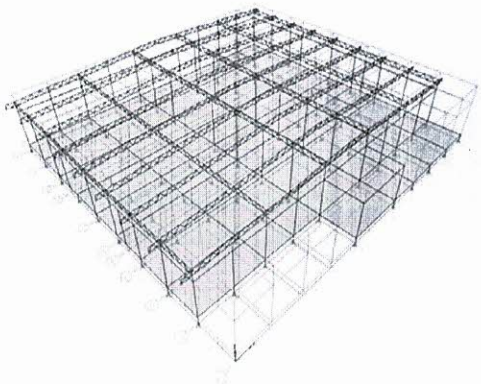


SHEAR FORCE

วิศวกรผู้ออกแบบงานโครงสร้าง

นายสมภพ เงาจินตรักษ์ วย.1754

ETABS®



Project Report

Model File: 20240308 Walairak U, Revision 0
14/3/2567

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1 Structure Data

This chapter provides model geometry information, including items such as story levels, point coordinates, and element connectivity.

1.1 Story Data

Table 1.1 - Story Definitions

Tower	Name	Height m	Master Story	Similar To	Splice Story	Color
T1	Story3	3	Yes	None	No	Cyan
T1	Story2	6	No	Story3	No	Red
T1	Story1	1	No	Story3	No	Magenta

1.2 Grid Data

Table 1.2 - Grid Definitions - General

Tower	Name	Type	Ux m	Uy m	Rz deg	Story Range	Bubble Size m	Color
T1	aG1	Cartesian	0	0	0	Default	1.25	Gray6

Table 1.3 - Grid Definitions - Grid Lines

Name	Grid Line Type	ID	Ordinate m	Bubble Location	Visible
aG1	X (Cartesian)	a	0	End	Yes
aG1	X (Cartesian)	b	5	End	Yes
aG1	X (Cartesian)	c	10	End	Yes
aG1	X (Cartesian)	d	15	End	Yes
aG1	X (Cartesian)	e	20	End	Yes
aG1	X (Cartesian)	f	29	End	Yes
aG1	X (Cartesian)	g	34	End	Yes
aG1	X (Cartesian)	h	39	End	Yes
aG1	X (Cartesian)	i	44	End	Yes
aG1	X (Cartesian)	j	49	End	Yes
aG1	Y (Cartesian)	1'	0	Start	Yes
aG1	Y (Cartesian)	1	5.5	Start	Yes
aG1	Y (Cartesian)	2	10.5	Start	Yes
aG1	Y (Cartesian)	3	15.5	Start	Yes
aG1	Y (Cartesian)	4	18.5	Start	Yes
aG1	Y (Cartesian)	5	20.5	Start	Yes
aG1	Y (Cartesian)	6	25.5	Start	Yes
aG1	Y (Cartesian)	7	32.5	Start	Yes
aG1	Y (Cartesian)	8	35.5	Start	Yes
aG1	Y (Cartesian)	9	40.5	Start	Yes
aG1	Y (Cartesian)	10	45.5	Start	Yes

1.3 Point Coordinates

Table 1.4 - Point Bays

Label	Is Auto Point	X m	Y m	DZBelow m
1	No	0	30.5	0
2	No	0	5.5	0
3	No	0	10.5	0
4	No	0	15.5	0
5	No	5	30.5	0
6	No	0	20.5	0
7	No	0	25.5	0
8	No	10	30.5	0
9	No	0	35.5	0
10	No	0	40.5	0

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Label	Is Auto Point	X m	Y m	DZBelow m
11	No	0	45.5	0
12	No	15	30.5	0
13	No	5	5.5	0
14	No	5	10.5	0
15	No	5	15.5	0
16	No	20	30.5	0
17	No	5	20.5	0
18	No	5	25.5	0
19	No	29	30.5	0
20	No	5	35.5	0
21	No	5	40.5	0
22	No	5	45.5	0
23	No	34	30.5	0
24	No	10	5.5	0
25	No	10	10.5	0
26	No	10	15.5	0
27	No	39	30.5	0
28	No	10	20.5	0
29	No	10	25.5	0
30	No	44	30.5	0
31	No	10	35.5	0
32	No	10	40.5	0
33	No	10	45.5	0
34	No	49	30.5	0
35	No	15	5.5	0
36	No	15	10.5	0
37	No	15	15.5	0
38	No	0	18.5	0
39	No	15	20.5	0
40	No	15	25.5	0
41	No	0	32.5	0
42	No	15	35.5	0
43	No	15	40.5	0
44	No	15	45.5	0
45	No	20	0	0
46	No	20	5.5	0
47	No	20	10.5	0
48	No	20	15.5	0
49	No	10	18.5	0
50	No	20	20.5	0
51	No	20	25.5	0
52	No	10	32.5	0
53	No	20	35.5	0
54	No	20	40.5	0
55	No	20	45.5	0
56	No	29	0	0
57	No	29	5.5	0
58	No	29	10.5	0
59	No	29	15.5	0
60	No	20	18.5	0
61	No	29	20.5	0
62	No	29	25.5	0
63	No	20	32.5	0
64	No	29	35.5	0
65	No	29	40.5	0
66	No	29	45.5	0
67	No	34	0	0
68	No	34	5.5	0
69	No	34	10.5	0
70	No	34	15.5	0

Label	Is Auto Point	X m	Y m	DZBelow m
71	No	29	18.5	0
72	No	34	20.5	0
73	No	34	25.5	0
74	No	29	32.5	0
75	No	34	35.5	0
76	No	34	40.5	0
77	No	34	45.5	0
78	No	39	0	0
79	No	39	5.5	0
80	No	39	10.5	0
81	No	39	15.5	0
82	No	39	18.5	0
83	No	39	20.5	0
84	No	39	25.5	0
85	No	39	32.5	0
86	No	39	35.5	0
87	No	39	40.5	0
88	No	39	45.5	0
89	No	44	0	0
90	No	44	5.5	0
91	No	44	10.5	0
92	No	44	15.5	0
93	No	44	18.5	0
94	No	44	20.5	0
95	No	44	25.5	0
96	No	24.5	10.5	0
97	No	44	35.5	0
98	No	44	40.5	0
99	No	44	45.5	0
100	No	49	0	0
101	No	49	5.5	0
102	No	49	10.5	0
103	No	49	15.5	0
104	No	49	18.5	0
105	No	49	20.5	0
106	No	49	25.5	0
107	No	49	32.5	0
108	No	49	35.5	0
109	No	49	40.5	0
110	No	49	45.5	0
111	No	24.5	10.5	0.8
112	No	0	10.5	2
113	No	49	10.5	2
114	No	0	10.5	1.2
115	No	49	10.5	1.2
116	No	20	10.5	0.2204
117	No	29	10.5	0.2204
118	No	20	10.5	1.0204
119	No	29	10.5	1.0204
120	No	21.125	10.5	0.1653
121	No	22.25	10.5	0.1102
122	No	23.375	10.5	0.0551
123	No	27.875	10.5	0.1653
124	No	26.75	10.5	0.1102
125	No	25.625	10.5	0.0551
126	No	20.5625	10.5	0.9929
127	No	21.125	10.5	0.9653
128	No	21.8875	10.5	0.9378
129	No	22.25	10.5	0.9102
130	No	22.8125	10.5	0.8827

Label	Is Auto Point	X m	Y m	DZBelow m
131	No	23.375	10.5	0.8551
132	No	23.9375	10.5	0.8276
133	No	28.4375	10.5	0.9929
134	No	27.875	10.5	0.9653
135	No	27.3125	10.5	0.9378
136	No	26.75	10.5	0.9102
137	No	26.1875	10.5	0.8827
138	No	25.625	10.5	0.8551
139	No	25.0625	10.5	0.8276
140	No	1.25	10.5	1.1388
141	No	2.5	10.5	1.0776
142	No	3.75	10.5	1.0163
143	No	5	10.5	0.9551
144	No	6.25	10.5	0.8939
145	No	7.5	10.5	0.8327
146	No	8.75	10.5	0.7714
147	No	10	10.5	0.7102
148	No	11.25	10.5	0.649
149	No	12.5	10.5	0.5878
150	No	13.75	10.5	0.5265
151	No	15	10.5	0.4653
152	No	16.25	10.5	0.4041
153	No	17.5	10.5	0.3429
154	No	18.75	10.5	0.2816
155	No	47.75	10.5	1.1388
156	No	46.5	10.5	1.0776
157	No	45.25	10.5	1.0163
158	No	44	10.5	0.9551
159	No	42.75	10.5	0.8939
160	No	41.5	10.5	0.8327
161	No	40.25	10.5	0.7714
162	No	39	10.5	0.7102
163	No	37.75	10.5	0.649
164	No	36.5	10.5	0.5878
165	No	35.25	10.5	0.5265
166	No	34	10.5	0.4653
167	No	32.75	10.5	0.4041
168	No	31.5	10.5	0.3429
169	No	30.25	10.5	0.2816
170	No	0.625	10.5	1.9694
171	No	1.25	10.5	1.9388
172	No	1.875	10.5	1.9082
173	No	2.5	10.5	1.8776
174	No	3.125	10.5	1.8469
175	No	3.75	10.5	1.8163
176	No	4.375	10.5	1.7857
177	No	5	10.5	1.7551
178	No	5.625	10.5	1.7245
179	No	6.25	10.5	1.6939
180	No	6.875	10.5	1.6633
181	No	7.5	10.5	1.6327
182	No	8.125	10.5	1.602
183	No	8.75	10.5	1.5714
184	No	9.375	10.5	1.5408
185	No	10	10.5	1.5102
186	No	10.625	10.5	1.4796
187	No	11.25	10.5	1.449
188	No	11.875	10.5	1.4184
189	No	12.5	10.5	1.3878
190	No	13.125	10.5	1.3571

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Label	Is Auto Point	X m	Y m	DZBelow m
191	No	13.75	10.5	1.3265
192	No	14.375	10.5	1.2959
193	No	15	10.5	1.2653
194	No	15.625	10.5	1.2347
195	No	16.25	10.5	1.2041
196	No	16.875	10.5	1.1735
197	No	17.5	10.5	1.1429
198	No	18.125	10.5	1.1122
199	No	18.75	10.5	1.0816
200	No	19.375	10.5	1.051
201	No	48.375	10.5	1.9694
202	No	47.75	10.5	1.9388
203	No	47.125	10.5	1.9082
204	No	46.5	10.5	1.8776
205	No	45.875	10.5	1.8469
206	No	45.25	10.5	1.8163
207	No	44.625	10.5	1.7857
208	No	44	10.5	1.7551
209	No	43.375	10.5	1.7245
210	No	42.75	10.5	1.6939
211	No	42.125	10.5	1.6633
212	No	41.5	10.5	1.6327
213	No	40.875	10.5	1.602
214	No	40.25	10.5	1.5714
215	No	39.625	10.5	1.5408
216	No	39	10.5	1.5102
217	No	38.375	10.5	1.4796
218	No	37.75	10.5	1.449
219	No	37.125	10.5	1.4184
220	No	36.5	10.5	1.3878
221	No	35.875	10.5	1.3571
222	No	35.25	10.5	1.3265
223	No	34.625	10.5	1.2959
224	No	34	10.5	1.2653
225	No	33.375	10.5	1.2347
226	No	32.75	10.5	1.2041
227	No	32.125	10.5	1.1735
228	No	31.5	10.5	1.1429
229	No	30.875	10.5	1.1122
230	No	30.25	10.5	1.0816
231	No	29.625	10.5	1.051
232	No	-1.3	10.5	2
233	No	0	6.75	1.2
234	No	-1.3	11.189	2
235	No	-1.3	10.5	1.311
236	No	-0.8667	10.5	2
237	No	-0.4333	10.5	2
238	No	-1.3	10.5	1.7703
239	No	-1.3	10.5	1.5407
240	No	-0.8667	10.5	1.274
241	No	-0.4333	10.5	1.237
242	No	50.3	10.5	2
243	No	50.3	10.5	1.311
244	No	49.4333	10.5	2
245	No	49.8667	10.5	2
246	No	49.8667	10.5	1.274
247	No	49.4333	10.5	1.237
248	No	24.5	5.5	0
249	No	24.5	5.5	0.8
250	No	0	5.5	2

Label	Is Auto Point	X m	Y m	DZBelow m
251	No	49	5.5	2
252	No	0	5.5	1.2
253	No	49	5.5	1.2
254	No	20	5.5	0.2204
255	No	29	5.5	0.2204
256	No	20	5.5	1.0204
257	No	29	5.5	1.0204
258	No	21.125	5.5	0.1653
259	No	22.25	5.5	0.1102
260	No	23.375	5.5	0.0551
261	No	27.875	5.5	0.1653
262	No	26.75	5.5	0.1102
263	No	25.625	5.5	0.0551
264	No	20.5625	5.5	0.9929
265	No	21.125	5.5	0.9653
266	No	21.6875	5.5	0.9378
267	No	22.25	5.5	0.9102
268	No	22.8125	5.5	0.8827
269	No	23.375	5.5	0.8551
270	No	23.9375	5.5	0.8276
271	No	28.4375	5.5	0.9929
272	No	27.875	5.5	0.9653
273	No	27.3125	5.5	0.9378
274	No	26.75	5.5	0.9102
275	No	26.1875	5.5	0.8827
276	No	25.625	5.5	0.8551
277	No	25.0625	5.5	0.8276
278	No	1.25	5.5	1.1388
279	No	2.5	5.5	1.0776
280	No	3.75	5.5	1.0163
281	No	5	5.5	0.9551
282	No	6.25	5.5	0.8939
283	No	7.5	5.5	0.8327
284	No	8.75	5.5	0.7714
285	No	10	5.5	0.7102
286	No	11.25	5.5	0.649
287	No	12.5	5.5	0.5878
288	No	13.75	5.5	0.5265
289	No	15	5.5	0.4653
290	No	16.25	5.5	0.4041
291	No	17.5	5.5	0.3429
292	No	18.75	5.5	0.2816
293	No	47.75	5.5	1.1388
294	No	46.5	5.5	1.0776
295	No	45.25	5.5	1.0163
296	No	44	5.5	0.9551
297	No	42.75	5.5	0.8939
298	No	41.5	5.5	0.8327
299	No	40.25	5.5	0.7714
300	No	39	5.5	0.7102
301	No	37.75	5.5	0.649
302	No	36.5	5.5	0.5878
303	No	35.25	5.5	0.5265
304	No	34	5.5	0.4653
305	No	32.75	5.5	0.4041
306	No	31.5	5.5	0.3429
307	No	30.25	5.5	0.2816
308	No	0.625	5.5	1.9694
309	No	1.25	5.5	1.9388
310	No	1.875	5.5	1.9082

Label	Is Auto Point	X m	Y m	DZBelow m
311	No	2.5	5.5	1.8776
312	No	3.125	5.5	1.8469
313	No	3.75	5.5	1.8163
314	No	4.375	5.5	1.7857
315	No	5	5.5	1.7551
316	No	5.625	5.5	1.7245
317	No	6.25	5.5	1.6939
318	No	6.875	5.5	1.6633
319	No	7.5	5.5	1.6327
320	No	8.125	5.5	1.602
321	No	8.75	5.5	1.5714
322	No	9.375	5.5	1.5408
323	No	10	5.5	1.5102
324	No	10.625	5.5	1.4796
325	No	11.25	5.5	1.449
326	No	11.875	5.5	1.4184
327	No	12.5	5.5	1.3878
328	No	13.125	5.5	1.3571
329	No	13.75	5.5	1.3265
330	No	14.375	5.5	1.2959
331	No	15	5.5	1.2653
332	No	15.625	5.5	1.2347
333	No	16.25	5.5	1.2041
334	No	16.875	5.5	1.1735
335	No	17.5	5.5	1.1429
336	No	18.125	5.5	1.1122
337	No	18.75	5.5	1.0816
338	No	19.375	5.5	1.051
339	No	48.375	5.5	1.9694
340	No	47.75	5.5	1.9388
341	No	47.125	5.5	1.9082
342	No	46.5	5.5	1.8776
343	No	45.875	5.5	1.8469
344	No	45.25	5.5	1.8163
345	No	44.625	5.5	1.7857
346	No	44	5.5	1.7551
347	No	43.375	5.5	1.7245
348	No	42.75	5.5	1.6939
349	No	42.125	5.5	1.6633
350	No	41.5	5.5	1.6327
351	No	40.875	5.5	1.602
352	No	40.25	5.5	1.5714
353	No	39.625	5.5	1.5408
354	No	39	5.5	1.5102
355	No	38.375	5.5	1.4796
356	No	37.75	5.5	1.449
357	No	37.125	5.5	1.4184
358	No	36.5	5.5	1.3878
359	No	35.875	5.5	1.3571
360	No	35.25	5.5	1.3265
361	No	34.625	5.5	1.2959
362	No	34	5.5	1.2653
363	No	33.375	5.5	1.2347
364	No	32.75	5.5	1.2041
365	No	32.125	5.5	1.1735
366	No	31.5	5.5	1.1429
367	No	30.875	5.5	1.1122
368	No	30.25	5.5	1.0816
369	No	29.625	5.5	1.051
370	No	-1.3	5.5	2

Label	Is Auto Point	X m	Y m	DZBelow m
371	No	-1.3	5.5	1.311
372	No	-0.8667	5.5	2
373	No	-0.4333	5.5	2
374	No	-1.3	5.5	1.7703
375	No	-1.3	5.5	1.5407
376	No	-0.8667	5.5	1.274
377	No	-0.4333	5.5	1.237
378	No	50.3	5.5	2
379	No	50.3	5.5	1.311
380	No	49.4333	5.5	2
381	No	49.8667	5.5	2
382	No	49.8667	5.5	1.274
383	No	49.4333	5.5	1.237
384	No	24.5	15.5	0
385	No	24.5	15.5	0.8
386	No	0	15.5	2
387	No	49	15.5	2
388	No	0	15.5	1.2
389	No	49	15.5	1.2
390	No	20	15.5	0.2204
391	No	29	15.5	0.2204
392	No	20	15.5	1.0204
393	No	29	15.5	1.0204
394	No	21.125	15.5	0.1653
395	No	22.25	15.5	0.1102
396	No	23.375	15.5	0.0551
397	No	27.875	15.5	0.1653
398	No	26.75	15.5	0.1102
399	No	25.625	15.5	0.0551
400	No	20.5625	15.5	0.9929
401	No	21.125	15.5	0.9653
402	No	21.6875	15.5	0.9378
403	No	22.25	15.5	0.9102
404	No	22.8125	15.5	0.8827
405	No	23.375	15.5	0.8551
406	No	23.9375	15.5	0.8276
407	No	28.4375	15.5	0.9929
408	No	27.875	15.5	0.9653
409	No	27.3125	15.5	0.9378
410	No	26.75	15.5	0.9102
411	No	26.1875	15.5	0.8827
412	No	25.625	15.5	0.8551
413	No	25.0625	15.5	0.8276
414	No	1.25	15.5	1.1388
415	No	2.5	15.5	1.0776
416	No	3.75	15.5	1.0163
417	No	5	15.5	0.9551
418	No	6.25	15.5	0.8939
419	No	7.5	15.5	0.8327
420	No	8.75	15.5	0.7714
421	No	10	15.5	0.7102
422	No	11.25	15.5	0.649
423	No	12.5	15.5	0.5878
424	No	13.75	15.5	0.5265
425	No	15	15.5	0.4653
426	No	16.25	15.5	0.4041
427	No	17.5	15.5	0.3429
428	No	18.75	15.5	0.2816
429	No	47.75	15.5	1.1388
430	No	46.5	15.5	1.0776

วิศวกรผู้ออกแบบงานโครงสร้าง
นายสมภพ เงาจินตรักษ์ วย.1754

Label	Is Auto Point	X m	Y m	DZBelow m
431	No	45.25	15.5	1.0163
432	No	44	15.5	0.9551
433	No	42.75	15.5	0.8939
434	No	41.5	15.5	0.8327
435	No	40.25	15.5	0.7714
436	No	39	15.5	0.7102
437	No	37.75	15.5	0.649
438	No	36.5	15.5	0.5878
439	No	35.25	15.5	0.5265
440	No	34	15.5	0.4653
441	No	32.75	15.5	0.4041
442	No	31.5	15.5	0.3429
443	No	30.25	15.5	0.2816
444	No	0.625	15.5	1.9694
445	No	1.25	15.5	1.9388
446	No	1.875	15.5	1.9082
447	No	2.5	15.5	1.8776
448	No	3.125	15.5	1.8469
449	No	3.75	15.5	1.8163
450	No	4.375	15.5	1.7857
451	No	5	15.5	1.7551
452	No	5.625	15.5	1.7245
453	No	6.25	15.5	1.6939
454	No	6.875	15.5	1.6633
455	No	7.5	15.5	1.6327
456	No	8.125	15.5	1.602
457	No	8.75	15.5	1.5714
458	No	9.375	15.5	1.5408
459	No	10	15.5	1.5102
460	No	10.625	15.5	1.4796
461	No	11.25	15.5	1.449
462	No	11.875	15.5	1.4184
463	No	12.5	15.5	1.3878
464	No	13.125	15.5	1.3571
465	No	13.75	15.5	1.3265
466	No	14.375	15.5	1.2959
467	No	15	15.5	1.2653
468	No	15.625	15.5	1.2347
469	No	16.25	15.5	1.2041
470	No	16.875	15.5	1.1735
471	No	17.5	15.5	1.1429
472	No	18.125	15.5	1.1122
473	No	18.75	15.5	1.0816
474	No	19.375	15.5	1.051
475	No	48.375	15.5	1.9694
476	No	47.75	15.5	1.9388
477	No	47.125	15.5	1.9082
478	No	46.5	15.5	1.8776
479	No	45.875	15.5	1.8469
480	No	45.25	15.5	1.8163
481	No	44.625	15.5	1.7857
482	No	44	15.5	1.7551
483	No	43.375	15.5	1.7245
484	No	42.75	15.5	1.6939
485	No	42.125	15.5	1.6633
486	No	41.5	15.5	1.6327
487	No	40.875	15.5	1.602
488	No	40.25	15.5	1.5714
489	No	39.625	15.5	1.5408
490	No	39	15.5	1.5102

Label	Is Auto Point	X m	Y m	DZBelow m
491	No	38.375	15.5	1.4796
492	No	37.75	15.5	1.449
493	No	37.125	15.5	1.4184
494	No	36.5	15.5	1.3878
495	No	35.875	15.5	1.3571
496	No	35.25	15.5	1.3265
497	No	34.625	15.5	1.2959
498	No	34	15.5	1.2653
499	No	33.375	15.5	1.2347
500	No	32.75	15.5	1.2041
501	No	32.125	15.5	1.1735
502	No	31.5	15.5	1.1429
503	No	30.875	15.5	1.1122
504	No	30.25	15.5	1.0816
505	No	29.625	15.5	1.051
506	No	-1.3	15.5	2
507	No	-1.3	15.5	1.311
508	No	-0.8667	15.5	2
509	No	-0.4333	15.5	2
510	No	-1.3	15.5	1.7703
511	No	-1.3	15.5	1.5407
512	No	-0.8667	15.5	1.274
513	No	-0.4333	15.5	1.237
514	No	50.3	15.5	2
515	No	50.3	15.5	1.311
516	No	49.4333	15.5	2
517	No	49.8667	15.5	2
518	No	49.8667	15.5	1.274
519	No	49.4333	15.5	1.237
520	No	24.5	20.5	0
521	No	24.5	20.5	0.8
522	No	0	20.5	2
523	No	49	20.5	2
524	No	0	20.5	1.2
525	No	49	20.5	1.2
526	No	20	20.5	0.2204
527	No	29	20.5	0.2204
528	No	20	20.5	1.0204
529	No	29	20.5	1.0204
530	No	21.125	20.5	0.1653
531	No	22.25	20.5	0.1102
532	No	23.375	20.5	0.0551
533	No	27.875	20.5	0.1653
534	No	26.75	20.5	0.1102
535	No	25.625	20.5	0.0551
536	No	20.5625	20.5	0.9929
537	No	21.125	20.5	0.9653
538	No	21.6875	20.5	0.9378
539	No	22.25	20.5	0.9102
540	No	22.8125	20.5	0.8827
541	No	23.375	20.5	0.8551
542	No	23.9375	20.5	0.8276
543	No	28.4375	20.5	0.9929
544	No	27.875	20.5	0.9653
545	No	27.3125	20.5	0.9378
546	No	26.75	20.5	0.9102
547	No	26.1875	20.5	0.8827
548	No	25.625	20.5	0.8551
549	No	25.0625	20.5	0.8276
550	No	1.25	20.5	1.1388

Label	Is Auto Point	X m	Y m	DZBelow m
551	No	2.5	20.5	1.0776
552	No	3.75	20.5	1.0163
553	No	5	20.5	0.9551
554	No	6.25	20.5	0.8939
555	No	7.5	20.5	0.8327
556	No	8.75	20.5	0.7714
557	No	10	20.5	0.7102
558	No	11.25	20.5	0.649
559	No	12.5	20.5	0.5878
560	No	13.75	20.5	0.5265
561	No	15	20.5	0.4653
562	No	16.25	20.5	0.4041
563	No	17.5	20.5	0.3429
564	No	18.75	20.5	0.2816
565	No	47.75	20.5	1.1388
566	No	46.5	20.5	1.0776
567	No	45.25	20.5	1.0163
568	No	44	20.5	0.9551
569	No	42.75	20.5	0.8939
570	No	41.5	20.5	0.8327
571	No	40.25	20.5	0.7714
572	No	39	20.5	0.7102
573	No	37.75	20.5	0.649
574	No	36.5	20.5	0.5878
575	No	35.25	20.5	0.5265
576	No	34	20.5	0.4653
577	No	32.75	20.5	0.4041
578	No	31.5	20.5	0.3429
579	No	30.25	20.5	0.2816
580	No	0.625	20.5	1.9694
581	No	1.25	20.5	1.9388
582	No	1.875	20.5	1.9082
583	No	2.5	20.5	1.8776
584	No	3.125	20.5	1.8469
585	No	3.75	20.5	1.8163
586	No	4.375	20.5	1.7857
587	No	5	20.5	1.7551
588	No	5.625	20.5	1.7245
589	No	6.25	20.5	1.6939
590	No	6.875	20.5	1.6633
591	No	7.5	20.5	1.6327
592	No	8.125	20.5	1.602
593	No	8.75	20.5	1.5714
594	No	9.375	20.5	1.5408
595	No	10	20.5	1.5102
596	No	10.625	20.5	1.4796
597	No	11.25	20.5	1.449
598	No	11.875	20.5	1.4184
599	No	12.5	20.5	1.3878
600	No	13.125	20.5	1.3571
601	No	13.75	20.5	1.3265
602	No	14.375	20.5	1.2959
603	No	15	20.5	1.2653
604	No	15.625	20.5	1.2347
605	No	16.25	20.5	1.2041
606	No	16.875	20.5	1.1735
607	No	17.5	20.5	1.1429
608	No	18.125	20.5	1.1122
609	No	18.75	20.5	1.0816
610	No	19.375	20.5	1.051

Label	Is Auto Point	X m	Y m	DZBelow m
611	No	48.375	20.5	1.9694
612	No	47.75	20.5	1.9388
613	No	47.125	20.5	1.9082
614	No	46.5	20.5	1.8776
615	No	45.875	20.5	1.8469
616	No	45.25	20.5	1.8163
617	No	44.625	20.5	1.7857
618	No	44	20.5	1.7551
619	No	43.375	20.5	1.7245
620	No	42.75	20.5	1.6939
621	No	42.125	20.5	1.6633
622	No	41.5	20.5	1.6327
623	No	40.875	20.5	1.602
624	No	40.25	20.5	1.5714
625	No	39.625	20.5	1.5408
626	No	39	20.5	1.5102
627	No	38.375	20.5	1.4796
628	No	37.75	20.5	1.449
629	No	37.125	20.5	1.4184
630	No	36.5	20.5	1.3878
631	No	35.875	20.5	1.3571
632	No	35.25	20.5	1.3265
633	No	34.625	20.5	1.2959
634	No	34	20.5	1.2653
635	No	33.375	20.5	1.2347
636	No	32.75	20.5	1.2041
637	No	32.125	20.5	1.1735
638	No	31.5	20.5	1.1429
639	No	30.875	20.5	1.1122
640	No	30.25	20.5	1.0816
641	No	29.625	20.5	1.051
642	No	-1.3	20.5	2
643	No	-1.3	20.5	1.311
644	No	-0.8667	20.5	2
645	No	-0.4333	20.5	2
646	No	-1.3	20.5	1.7703
647	No	-1.3	20.5	1.5407
648	No	-0.8667	20.5	1.274
649	No	-0.4333	20.5	1.237
650	No	50.3	20.5	2
651	No	50.3	20.5	1.311
652	No	49.4333	20.5	2
653	No	49.8667	20.5	2
654	No	49.8667	20.5	1.274
655	No	49.4333	20.5	1.237
656	No	24.5	25.5	0
657	No	24.5	25.5	0.8
658	No	0	25.5	2
659	No	49	25.5	2
660	No	0	25.5	1.2
661	No	49	25.5	1.2
662	No	20	25.5	0.2204
663	No	29	25.5	0.2204
664	No	20	25.5	1.0204
665	No	29	25.5	1.0204
666	No	21.125	25.5	0.1653
667	No	22.25	25.5	0.1102
668	No	23.375	25.5	0.0551
669	No	27.875	25.5	0.1653
670	No	26.75	25.5	0.1102

วิศวกรผู้ออกแบบงานโครงสร้าง
นายสมภพ เงาจินตรักษ์ วย.1754

Label	Is Auto Point	X m	Y m	DZBelow m
671	No	25.625	25.5	0.0551
672	No	20.5625	25.5	0.9929
673	No	21.125	25.5	0.9653
674	No	21.6875	25.5	0.9378
675	No	22.25	25.5	0.9102
676	No	22.8125	25.5	0.8827
677	No	23.375	25.5	0.8551
678	No	23.9375	25.5	0.8276
679	No	28.4375	25.5	0.9929
680	No	27.875	25.5	0.9653
681	No	27.3125	25.5	0.9378
682	No	26.75	25.5	0.9102
683	No	26.1875	25.5	0.8827
684	No	25.625	25.5	0.8551
685	No	25.0625	25.5	0.8276
686	No	1.25	25.5	1.1388
687	No	2.5	25.5	1.0776
688	No	3.75	25.5	1.0163
689	No	5	25.5	0.9551
690	No	6.25	25.5	0.8939
691	No	7.5	25.5	0.8327
692	No	8.75	25.5	0.7714
693	No	10	25.5	0.7102
694	No	11.25	25.5	0.649
695	No	12.5	25.5	0.5878
696	No	13.75	25.5	0.5265
697	No	15	25.5	0.4653
698	No	16.25	25.5	0.4041
699	No	17.5	25.5	0.3429
700	No	18.75	25.5	0.2816
701	No	47.75	25.5	1.1388
702	No	46.5	25.5	1.0776
703	No	45.25	25.5	1.0163
704	No	44	25.5	0.9551
705	No	42.75	25.5	0.8939
706	No	41.5	25.5	0.8327
707	No	40.25	25.5	0.7714
708	No	39	25.5	0.7102
709	No	37.75	25.5	0.649
710	No	36.5	25.5	0.5878
711	No	35.25	25.5	0.5265
712	No	34	25.5	0.4653
713	No	32.75	25.5	0.4041
714	No	31.5	25.5	0.3429
715	No	30.25	25.5	0.2816
716	No	0.625	25.5	1.9694
717	No	1.25	25.5	1.9388
718	No	1.875	25.5	1.9062
719	No	2.5	25.5	1.8776
720	No	3.125	25.5	1.8469
721	No	3.75	25.5	1.8163
722	No	4.375	25.5	1.7857
723	No	5	25.5	1.7551
724	No	5.625	25.5	1.7245
725	No	6.25	25.5	1.6939
726	No	6.875	25.5	1.6633
727	No	7.5	25.5	1.6327
728	No	8.125	25.5	1.602
729	No	8.75	25.5	1.5714
730	No	9.375	25.5	1.5408

Label	Is Auto Point	X m	Y m	DZBelow m
731	No	10	25.5	1.5102
732	No	10.625	25.5	1.4796
733	No	11.25	25.5	1.449
734	No	11.875	25.5	1.4184
735	No	12.5	25.5	1.3878
736	No	13.125	25.5	1.3571
737	No	13.75	25.5	1.3265
738	No	14.375	25.5	1.2959
739	No	15	25.5	1.2653
740	No	15.625	25.5	1.2347
741	No	16.25	25.5	1.2041
742	No	16.875	25.5	1.1735
743	No	17.5	25.5	1.1429
744	No	18.125	25.5	1.1122
745	No	18.75	25.5	1.0816
746	No	19.375	25.5	1.051
747	No	48.375	25.5	1.9694
748	No	47.75	25.5	1.9388
749	No	47.125	25.5	1.9082
750	No	46.5	25.5	1.8776
751	No	45.875	25.5	1.8469
752	No	45.25	25.5	1.8163
753	No	44.625	25.5	1.7857
754	No	44	25.5	1.7551
755	No	43.375	25.5	1.7245
756	No	42.75	25.5	1.6939
757	No	42.125	25.5	1.6633
758	No	41.5	25.5	1.6327
759	No	40.875	25.5	1.602
760	No	40.25	25.5	1.5714
761	No	39.625	25.5	1.5408
762	No	39	25.5	1.5102
763	No	38.375	25.5	1.4796
764	No	37.75	25.5	1.449
765	No	37.125	25.5	1.4184
766	No	36.5	25.5	1.3878
767	No	35.875	25.5	1.3571
768	No	35.25	25.5	1.3265
769	No	34.625	25.5	1.2959
770	No	34	25.5	1.2653
771	No	33.375	25.5	1.2347
772	No	32.75	25.5	1.2041
773	No	32.125	25.5	1.1735
774	No	31.5	25.5	1.1429
775	No	30.875	25.5	1.1122
776	No	30.25	25.5	1.0816
777	No	29.625	25.5	1.051
778	No	-1.3	25.5	2
779	No	-1.3	25.5	1.311
780	No	-0.8667	25.5	2
781	No	-0.4333	25.5	2
782	No	-1.3	25.5	1.7703
783	No	-1.3	25.5	1.5407
784	No	-0.8667	25.5	1.274
785	No	-0.4333	25.5	1.237
786	No	50.3	25.5	2
787	No	50.3	25.5	1.311
788	No	49.4333	25.5	2
789	No	49.8667	25.5	2
790	No	49.8667	25.5	1.274

Label	Is Auto Point	X m	Y m	DZBelow m
791	No	49.4333	25.5	1.237
792	No	24.5	30.5	0
793	No	24.5	30.5	0.8
794	No	0	30.5	2
795	No	49	30.5	2
796	No	0	30.5	1.2
797	No	49	30.5	1.2
798	No	20	30.5	0.2204
799	No	29	30.5	0.2204
800	No	20	30.5	1.0204
801	No	29	30.5	1.0204
802	No	21.125	30.5	0.1653
803	No	22.25	30.5	0.1102
804	No	23.375	30.5	0.0551
805	No	27.875	30.5	0.1653
806	No	26.75	30.5	0.1102
807	No	25.625	30.5	0.0551
808	No	20.5625	30.5	0.9929
809	No	21.125	30.5	0.9653
810	No	21.6875	30.5	0.9378
811	No	22.25	30.5	0.9102
812	No	22.8125	30.5	0.8827
813	No	23.375	30.5	0.8551
814	No	23.9375	30.5	0.8276
815	No	28.4375	30.5	0.9929
816	No	27.875	30.5	0.9653
817	No	27.3125	30.5	0.9378
818	No	26.75	30.5	0.9102
819	No	26.1875	30.5	0.8827
820	No	25.625	30.5	0.8551
821	No	25.0625	30.5	0.8276
822	No	1.25	30.5	1.1388
823	No	2.5	30.5	1.0776
824	No	3.75	30.5	1.0163
825	No	5	30.5	0.9551
826	No	6.25	30.5	0.8939
827	No	7.5	30.5	0.8327
828	No	8.75	30.5	0.7714
829	No	10	30.5	0.7102
830	No	11.25	30.5	0.649
831	No	12.5	30.5	0.5878
832	No	13.75	30.5	0.5265
833	No	15	30.5	0.4653
834	No	16.25	30.5	0.4041
835	No	17.5	30.5	0.3429
836	No	18.75	30.5	0.2818
837	No	47.75	30.5	1.1388
838	No	46.5	30.5	1.0776
839	No	45.25	30.5	1.0163
840	No	44	30.5	0.9551
841	No	42.75	30.5	0.8939
842	No	41.5	30.5	0.8327
843	No	40.25	30.5	0.7714
844	No	39	30.5	0.7102
845	No	37.75	30.5	0.649
846	No	36.5	30.5	0.5878
847	No	35.25	30.5	0.5265
848	No	34	30.5	0.4653
849	No	32.75	30.5	0.4041
850	No	31.5	30.5	0.3429

Label	Is Auto Point	X m	Y m	DZBelow m
851	No	30.25	30.5	0.2816
852	No	0.625	30.5	1.9694
853	No	1.25	30.5	1.9388
854	No	1.875	30.5	1.9082
855	No	2.5	30.5	1.8776
856	No	3.125	30.5	1.8469
857	No	3.75	30.5	1.8163
858	No	4.375	30.5	1.7857
859	No	5	30.5	1.7551
860	No	5.625	30.5	1.7245
861	No	6.25	30.5	1.6939
862	No	6.875	30.5	1.6633
863	No	7.5	30.5	1.6327
864	No	8.125	30.5	1.602
865	No	8.75	30.5	1.5714
866	No	9.375	30.5	1.5408
867	No	10	30.5	1.5102
868	No	10.625	30.5	1.4796
869	No	11.25	30.5	1.449
870	No	11.875	30.5	1.4184
871	No	12.5	30.5	1.3878
872	No	13.125	30.5	1.3571
873	No	13.75	30.5	1.3265
874	No	14.375	30.5	1.2959
875	No	15	30.5	1.2653
876	No	15.625	30.5	1.2347
877	No	16.25	30.5	1.2041
878	No	16.875	30.5	1.1735
879	No	17.5	30.5	1.1429
880	No	18.125	30.5	1.1122
881	No	18.75	30.5	1.0816
882	No	19.375	30.5	1.051
883	No	48.375	30.5	1.9694
884	No	47.75	30.5	1.9388
885	No	47.125	30.5	1.9082
886	No	46.5	30.5	1.8776
887	No	45.875	30.5	1.8469
888	No	45.25	30.5	1.8163
889	No	44.625	30.5	1.7857
890	No	44	30.5	1.7551
891	No	43.375	30.5	1.7245
892	No	42.75	30.5	1.6939
893	No	42.125	30.5	1.6633
894	No	41.5	30.5	1.6327
895	No	40.875	30.5	1.602
896	No	40.25	30.5	1.5714
897	No	39.625	30.5	1.5408
898	No	39	30.5	1.5102
899	No	38.375	30.5	1.4796
900	No	37.75	30.5	1.449
901	No	37.125	30.5	1.4184
902	No	36.5	30.5	1.3878
903	No	35.875	30.5	1.3571
904	No	35.25	30.5	1.3265
905	No	34.625	30.5	1.2959
906	No	34	30.5	1.2653
907	No	33.375	30.5	1.2347
908	No	32.75	30.5	1.2041
909	No	32.125	30.5	1.1735
910	No	31.5	30.5	1.1429

วิศวกรผู้ออกแบบงานโครงสร้าง
นายสมภพ เงาจินตรักษ์ วย.1754

Label	Is Auto Point	X m	Y m	DZBelow m
911	No	30.875	30.5	1.1122
912	No	30.25	30.5	1.0816
913	No	29.625	30.5	1.051
914	No	-1.3	30.5	2
915	No	-1.3	30.5	1.311
916	No	-0.8667	30.5	2
917	No	-0.4333	30.5	2
918	No	-1.3	30.5	1.7703
919	No	-1.3	30.5	1.5407
920	No	-0.8667	30.5	1.274
921	No	-0.4333	30.5	1.237
922	No	50.3	30.5	2
923	No	50.3	30.5	1.311
924	No	49.4333	30.5	2
925	No	49.8667	30.5	2
926	No	49.8667	30.5	1.274
927	No	49.4333	30.5	1.237
928	No	24.5	35.5	0
929	No	24.5	35.5	0.8
930	No	0	35.5	2
931	No	49	35.5	2
932	No	0	35.5	1.2
933	No	49	35.5	1.2
934	No	20	35.5	0.2204
935	No	29	35.5	0.2204
936	No	20	35.5	1.0204
937	No	29	35.5	1.0204
938	No	21.125	35.5	0.1653
939	No	22.25	35.5	0.1102
940	No	23.375	35.5	0.0551
941	No	27.875	35.5	0.1653
942	No	26.75	35.5	0.1102
943	No	25.625	35.5	0.0551
944	No	20.5625	35.5	0.9929
945	No	21.125	35.5	0.9653
946	No	21.6875	35.5	0.9378
947	No	22.25	35.5	0.9102
948	No	22.8125	35.5	0.8827
949	No	23.375	35.5	0.8551
950	No	23.9375	35.5	0.8276
951	No	28.4375	35.5	0.9929
952	No	27.875	35.5	0.9653
953	No	27.3125	35.5	0.9378
954	No	26.75	35.5	0.9102
955	No	26.1875	35.5	0.8827
956	No	25.625	35.5	0.8551
957	No	25.0625	35.5	0.8276
958	No	1.25	35.5	1.1388
959	No	2.5	35.5	1.0776
960	No	3.75	35.5	1.0163
961	No	5	35.5	0.9551
962	No	6.25	35.5	0.8939
963	No	7.5	35.5	0.8327
964	No	8.75	35.5	0.7714
965	No	10	35.5	0.7102
966	No	11.25	35.5	0.649
967	No	12.5	35.5	0.5878
968	No	13.75	35.5	0.5265
969	No	15	35.5	0.4653
970	No	16.25	35.5	0.4041

Label	Is Auto Point	X m	Y m	DZBelow m
971	No	17.5	35.5	0.3429
972	No	18.75	35.5	0.2816
973	No	47.75	35.5	1.1388
974	No	46.5	35.5	1.0776
975	No	45.25	35.5	1.0163
976	No	44	35.5	0.9551
977	No	42.75	35.5	0.8939
978	No	41.5	35.5	0.8327
979	No	40.25	35.5	0.7714
980	No	39	35.5	0.7102
981	No	37.75	35.5	0.649
982	No	36.5	35.5	0.5878
983	No	35.25	35.5	0.5265
984	No	34	35.5	0.4653
985	No	32.75	35.5	0.4041
986	No	31.5	35.5	0.3429
987	No	30.25	35.5	0.2816
988	No	0.625	35.5	1.9694
989	No	1.25	35.5	1.9388
990	No	1.875	35.5	1.9082
991	No	2.5	35.5	1.8776
992	No	3.125	35.5	1.8469
993	No	3.75	35.5	1.8163
994	No	4.375	35.5	1.7857
995	No	5	35.5	1.7551
996	No	5.625	35.5	1.7245
997	No	6.25	35.5	1.6939
998	No	6.875	35.5	1.6633
999	No	7.5	35.5	1.6327
1000	No	8.125	35.5	1.602
1001	No	8.75	35.5	1.5714
1002	No	9.375	35.5	1.5408
1003	No	10	35.5	1.5102
1004	No	10.625	35.5	1.4796
1005	No	11.25	35.5	1.449
1006	No	11.875	35.5	1.4184
1007	No	12.5	35.5	1.3878
1008	No	13.125	35.5	1.3571
1009	No	13.75	35.5	1.3265
1010	No	14.375	35.5	1.2959
1011	No	15	35.5	1.2653
1012	No	15.625	35.5	1.2347
1013	No	16.25	35.5	1.2041
1014	No	16.875	35.5	1.1735
1015	No	17.5	35.5	1.1429
1016	No	18.125	35.5	1.1122
1017	No	18.75	35.5	1.0816
1018	No	19.375	35.5	1.051
1019	No	48.375	35.5	1.9694
1020	No	47.75	35.5	1.9388
1021	No	47.125	35.5	1.9082
1022	No	46.5	35.5	1.8776
1023	No	45.875	35.5	1.8469
1024	No	45.25	35.5	1.8163
1025	No	44.625	35.5	1.7857
1026	No	44	35.5	1.7551
1027	No	43.375	35.5	1.7245
1028	No	42.75	35.5	1.6939
1029	No	42.125	35.5	1.6633
1030	No	41.5	35.5	1.6327

Label	Is Auto Point	X m	Y m	DZBelow m
1031	No	40.875	35.5	1.602
1032	No	40.25	35.5	1.5714
1033	No	39.625	35.5	1.5408
1034	No	39	35.5	1.5102
1035	No	38.375	35.5	1.4796
1036	No	37.75	35.5	1.449
1037	No	37.125	35.5	1.4184
1038	No	36.5	35.5	1.3878
1039	No	35.875	35.5	1.3571
1040	No	35.25	35.5	1.3265
1041	No	34.625	35.5	1.2959
1042	No	34	35.5	1.2653
1043	No	33.375	35.5	1.2347
1044	No	32.75	35.5	1.2041
1045	No	32.125	35.5	1.1735
1046	No	31.5	35.5	1.1429
1047	No	30.875	35.5	1.1122
1048	No	30.25	35.5	1.0816
1049	No	29.625	35.5	1.051
1050	No	-1.3	35.5	2
1051	No	-1.3	35.5	1.311
1052	No	-0.8667	35.5	2
1053	No	-0.4333	35.5	2
1054	No	-1.3	35.5	1.7703
1055	No	-1.3	35.5	1.5407
1056	No	-0.8667	35.5	1.274
1057	No	-0.4333	35.5	1.237
1058	No	50.3	35.5	2
1059	No	50.3	35.5	1.311
1060	No	49.4333	35.5	2
1061	No	49.8667	35.5	2
1062	No	49.8667	35.5	1.274
1063	No	49.4333	35.5	1.237
1064	No	24.5	40.5	0
1065	No	24.5	40.5	0.8
1066	No	0	40.5	2
1067	No	49	40.5	2
1068	No	0	40.5	1.2
1069	No	49	40.5	1.2
1070	No	20	40.5	0.2204
1071	No	29	40.5	0.2204
1072	No	20	40.5	1.0204
1073	No	29	40.5	1.0204
1074	No	21.125	40.5	0.1653
1075	No	22.25	40.5	0.1102
1076	No	23.375	40.5	0.0551
1077	No	27.875	40.5	0.1653
1078	No	26.75	40.5	0.1102
1079	No	25.625	40.5	0.0551
1080	No	20.5625	40.5	0.9929
1081	No	21.125	40.5	0.9653
1082	No	21.6875	40.5	0.9378
1083	No	22.25	40.5	0.9102
1084	No	22.8125	40.5	0.8827
1085	No	23.375	40.5	0.8551
1086	No	23.9375	40.5	0.8276
1087	No	28.4375	40.5	0.9929
1088	No	27.875	40.5	0.9653
1089	No	27.3125	40.5	0.9378
1090	No	26.75	40.5	0.9102

Label	Is Auto Point	X m	Y m	DZBelow m
1091	No	26.1875	40.5	0.8827
1092	No	25.625	40.5	0.8551
1093	No	25.0625	40.5	0.8276
1094	No	1.25	40.5	1.1388
1095	No	2.5	40.5	1.0776
1096	No	3.75	40.5	1.0163
1097	No	5	40.5	0.9551
1098	No	6.25	40.5	0.8939
1099	No	7.5	40.5	0.8327
1100	No	8.75	40.5	0.7714
1101	No	10	40.5	0.7102
1102	No	11.25	40.5	0.649
1103	No	12.5	40.5	0.5878
1104	No	13.75	40.5	0.5265
1105	No	15	40.5	0.4653
1106	No	16.25	40.5	0.4041
1107	No	17.5	40.5	0.3429
1108	No	18.75	40.5	0.2816
1109	No	47.75	40.5	1.1388
1110	No	46.5	40.5	1.0776
1111	No	45.25	40.5	1.0163
1112	No	44	40.5	0.9551
1113	No	42.75	40.5	0.8939
1114	No	41.5	40.5	0.8327
1115	No	40.25	40.5	0.7714
1116	No	39	40.5	0.7102
1117	No	37.75	40.5	0.649
1118	No	36.5	40.5	0.5878
1119	No	35.25	40.5	0.5265
1120	No	34	40.5	0.4653
1121	No	32.75	40.5	0.4041
1122	No	31.5	40.5	0.3429
1123	No	30.25	40.5	0.2816
1124	No	0.625	40.5	1.9694
1125	No	1.25	40.5	1.9388
1126	No	1.875	40.5	1.9082
1127	No	2.5	40.5	1.8776
1128	No	3.125	40.5	1.8469
1129	No	3.75	40.5	1.8163
1130	No	4.375	40.5	1.7857
1131	No	5	40.5	1.7551
1132	No	5.625	40.5	1.7245
1133	No	6.25	40.5	1.6939
1134	No	6.875	40.5	1.6633
1135	No	7.5	40.5	1.6327
1136	No	8.125	40.5	1.602
1137	No	8.75	40.5	1.5714
1138	No	9.375	40.5	1.5408
1139	No	10	40.5	1.5102
1140	No	10.625	40.5	1.4796
1141	No	11.25	40.5	1.449
1142	No	11.875	40.5	1.4184
1143	No	12.5	40.5	1.3878
1144	No	13.125	40.5	1.3571
1145	No	13.75	40.5	1.3265
1146	No	14.375	40.5	1.2959
1147	No	15	40.5	1.2653
1148	No	15.625	40.5	1.2347
1149	No	16.25	40.5	1.2041
1150	No	16.875	40.5	1.1735

วิศวกรผู้ออกแบบงานโครงสร้าง
นายสมภพ เงาจินตรักษ์ วย.1754

Label	Is Auto Point	X m	Y m	DZBelow m
1151	No	17.5	40.5	1.1429
1152	No	18.125	40.5	1.1122
1153	No	18.75	40.5	1.0816
1154	No	19.375	40.5	1.051
1155	No	48.375	40.5	1.9694
1156	No	47.75	40.5	1.9388
1157	No	47.125	40.5	1.9082
1158	No	46.5	40.5	1.8776
1159	No	45.875	40.5	1.8469
1160	No	45.25	40.5	1.8163
1161	No	44.625	40.5	1.7857
1162	No	44	40.5	1.7551
1163	No	43.375	40.5	1.7245
1164	No	42.75	40.5	1.6939
1165	No	42.125	40.5	1.6633
1166	No	41.5	40.5	1.6327
1167	No	40.875	40.5	1.602
1168	No	40.25	40.5	1.5714
1169	No	39.625	40.5	1.5408
1170	No	39	40.5	1.5102
1171	No	38.375	40.5	1.4796
1172	No	37.75	40.5	1.449
1173	No	37.125	40.5	1.4184
1174	No	36.5	40.5	1.3878
1175	No	35.875	40.5	1.3571
1176	No	35.25	40.5	1.3265
1177	No	34.625	40.5	1.2959
1178	No	34	40.5	1.2653
1179	No	33.375	40.5	1.2347
1180	No	32.75	40.5	1.2041
1181	No	32.125	40.5	1.1735
1182	No	31.5	40.5	1.1429
1183	No	30.875	40.5	1.1122
1184	No	30.25	40.5	1.0816
1185	No	29.625	40.5	1.051
1186	No	-1.3	40.5	2
1187	No	-1.3	40.5	1.311
1188	No	-0.8667	40.5	2
1189	No	-0.4333	40.5	2
1190	No	-1.3	40.5	1.7703
1191	No	-1.3	40.5	1.5407
1192	No	-0.8667	40.5	1.274
1193	No	-0.4333	40.5	1.237
1194	No	50.3	40.5	2
1195	No	50.3	40.5	1.311
1196	No	49.4333	40.5	2
1197	No	49.8667	40.5	2
1198	No	49.8667	40.5	1.274
1199	No	49.4333	40.5	1.237
1200	No	24.5	45.5	0
1201	No	24.5	45.5	0.8
1202	No	0	45.5	2
1203	No	49	45.5	2
1204	No	0	45.5	1.2
1205	No	49	45.5	1.2
1206	No	20	45.5	0.2204
1207	No	29	45.5	0.2204
1208	No	20	45.5	1.0204
1209	No	29	45.5	1.0204
1210	No	21.125	45.5	0.1653

Label	Is Auto Point	X m	Y m	DZBelow m
1211	No	22.25	45.5	0.1102
1212	No	23.375	45.5	0.0551
1213	No	27.875	45.5	0.1653
1214	No	26.75	45.5	0.1102
1215	No	25.625	45.5	0.0551
1216	No	20.5625	45.5	0.9928
1217	No	21.125	45.5	0.9653
1218	No	21.6875	45.5	0.9378
1219	No	22.25	45.5	0.9102
1220	No	22.8125	45.5	0.8827
1221	No	23.375	45.5	0.8551
1222	No	23.9375	45.5	0.8276
1223	No	28.4375	45.5	0.9928
1224	No	27.875	45.5	0.9653
1225	No	27.3125	45.5	0.9378
1226	No	26.75	45.5	0.9102
1227	No	26.1875	45.5	0.8827
1228	No	25.625	45.5	0.8551
1229	No	25.0625	45.5	0.8276
1230	No	1.25	45.5	1.1388
1231	No	2.5	45.5	1.0776
1232	No	3.75	45.5	1.0163
1233	No	5	45.5	0.9551
1234	No	6.25	45.5	0.8939
1235	No	7.5	45.5	0.8327
1236	No	8.75	45.5	0.7714
1237	No	10	45.5	0.7102
1238	No	11.25	45.5	0.649
1239	No	12.5	45.5	0.5878
1240	No	13.75	45.5	0.5265
1241	No	15	45.5	0.4653
1242	No	16.25	45.5	0.4041
1243	No	17.5	45.5	0.3429
1244	No	18.75	45.5	0.2816
1245	No	47.75	45.5	1.1388
1246	No	46.5	45.5	1.0776
1247	No	45.25	45.5	1.0163
1248	No	44	45.5	0.9551
1249	No	42.75	45.5	0.8939
1250	No	41.5	45.5	0.8327
1251	No	40.25	45.5	0.7714
1252	No	39	45.5	0.7102
1253	No	37.75	45.5	0.649
1254	No	36.5	45.5	0.5878
1255	No	35.25	45.5	0.5265
1256	No	34	45.5	0.4653
1257	No	32.75	45.5	0.4041
1258	No	31.5	45.5	0.3429
1259	No	30.25	45.5	0.2816
1260	No	0.825	45.5	1.9694
1261	No	1.25	45.5	1.9388
1262	No	1.875	45.5	1.9082
1263	No	2.5	45.5	1.8776
1264	No	3.125	45.5	1.8469
1265	No	3.75	45.5	1.8163
1266	No	4.375	45.5	1.7857
1267	No	5	45.5	1.7551
1268	No	5.625	45.5	1.7245
1269	No	6.25	45.5	1.6939
1270	No	6.875	45.5	1.6633

Label	Is Auto Point	X m	Y m	DZBelow m
1271	No	7.5	45.5	1.6327
1272	No	8.125	45.5	1.602
1273	No	8.75	45.5	1.5714
1274	No	9.375	45.5	1.5408
1275	No	10	45.5	1.5102
1276	No	10.625	45.5	1.4796
1277	No	11.25	45.5	1.449
1278	No	11.875	45.5	1.4184
1279	No	12.5	45.5	1.3878
1280	No	13.125	45.5	1.3571
1281	No	13.75	45.5	1.3265
1282	No	14.375	45.5	1.2959
1283	No	15	45.5	1.2653
1284	No	15.625	45.5	1.2347
1285	No	16.25	45.5	1.2041
1286	No	16.875	45.5	1.1735
1287	No	17.5	45.5	1.1429
1288	No	18.125	45.5	1.1122
1289	No	18.75	45.5	1.0816
1290	No	19.375	45.5	1.051
1291	No	48.375	45.5	1.9694
1292	No	47.75	45.5	1.9388
1293	No	47.125	45.5	1.9082
1294	No	46.5	45.5	1.8776
1295	No	45.875	45.5	1.8469
1296	No	45.25	45.5	1.8163
1297	No	44.625	45.5	1.7857
1298	No	44	45.5	1.7551
1299	No	43.375	45.5	1.7245
1300	No	42.75	45.5	1.6939
1301	No	42.125	45.5	1.6633
1302	No	41.5	45.5	1.6327
1303	No	40.875	45.5	1.602
1304	No	40.25	45.5	1.5714
1305	No	39.625	45.5	1.5408
1306	No	39	45.5	1.5102
1307	No	38.375	45.5	1.4796
1308	No	37.75	45.5	1.449
1309	No	37.125	45.5	1.4184
1310	No	36.5	45.5	1.3878
1311	No	35.875	45.5	1.3571
1312	No	35.25	45.5	1.3265
1313	No	34.625	45.5	1.2959
1314	No	34	45.5	1.2653
1315	No	33.375	45.5	1.2347
1316	No	32.75	45.5	1.2041
1317	No	32.125	45.5	1.1735
1318	No	31.5	45.5	1.1429
1319	No	30.875	45.5	1.1122
1320	No	30.25	45.5	1.0816
1321	No	29.625	45.5	1.051
1322	No	-1.3	45.5	2
1323	No	-1.3	45.5	1.311
1324	No	-0.8667	45.5	2
1325	No	-0.4333	45.5	2
1326	No	-1.3	45.5	1.7703
1327	No	-1.3	45.5	1.5407
1328	No	-0.8667	45.5	1.274
1329	No	-0.4333	45.5	1.237
1330	No	50.3	45.5	2

Label	Is Auto Point	X m	Y m	DZBelow m
1331	No	50.3	45.5	1.311
1332	No	49.4333	45.5	2
1333	No	49.8667	45.5	2
1334	No	49.8667	45.5	1.274
1335	No	49.4333	45.5	1.237
1336	No	0	8	1.2
1337	No	0	9.25	1.2
1338	No	0	6.125	2
1339	No	0	6.75	2
1340	No	0	7.375	2
1341	No	0	8	2
1342	No	0	8.625	2
1343	No	0	9.25	2
1344	No	0	9.875	2
1345	No	0	11.75	1.2
1346	No	0	13	1.2
1347	No	0	14.25	1.2
1348	No	0	11.125	2
1349	No	0	11.75	2
1350	No	0	12.375	2
1351	No	0	13	2
1352	No	0	13.625	2
1353	No	0	14.25	2
1354	No	0	14.875	2
1355	No	0	16.75	1.2
1356	No	0	18	1.2
1357	No	0	19.25	1.2
1358	No	0	16.125	2
1359	No	0	16.75	2
1360	No	0	17.375	2
1361	No	0	18	2
1362	No	0	18.625	2
1363	No	0	19.25	2
1364	No	0	19.875	2
1365	No	0	21.75	1.2
1366	No	0	23	1.2
1367	No	0	24.25	1.2
1368	No	0	21.125	2
1369	No	0	21.75	2
1370	No	0	22.375	2
1371	No	0	23	2
1372	No	0	23.625	2
1373	No	0	24.25	2
1374	No	0	24.875	2
1375	No	0	26.75	1.2
1376	No	0	28	1.2
1377	No	0	29.25	1.2
1378	No	0	26.125	2
1379	No	0	26.75	2
1380	No	0	27.375	2
1381	No	0	28	2
1382	No	0	28.625	2
1383	No	0	29.25	2
1384	No	0	29.875	2
1385	No	0	31.75	1.2
1386	No	0	33	1.2
1387	No	0	34.25	1.2
1388	No	0	31.125	2
1389	No	0	31.75	2
1390	No	0	32.375	2

วิศวกรผู้ออกแบบงานโครงสร้าง
นายสมภพ เงาจินตรักษ์ วย.1754

Label	Is Auto Point	X m	Y m	DZBelow m
1391	No	0	33	2
1392	No	0	33.625	2
1393	No	0	34.25	2
1394	No	0	34.875	2
1395	No	0	36.75	1.2
1396	No	0	38	1.2
1397	No	0	39.25	1.2
1398	No	0	36.125	2
1399	No	0	36.75	2
1400	No	0	37.375	2
1401	No	0	38	2
1402	No	0	38.625	2
1403	No	0	39.25	2
1404	No	0	39.875	2
1405	No	0	41.75	1.2
1406	No	0	43	1.2
1407	No	0	44.25	1.2
1408	No	0	41.125	2
1409	No	0	41.75	2
1410	No	0	42.375	2
1411	No	0	43	2
1412	No	0	43.625	2
1413	No	0	44.25	2
1414	No	0	44.875	2
1415	No	49	6.75	1.2
1416	No	49	8	1.2
1417	No	49	9.25	1.2
1418	No	49	6.125	2
1419	No	49	6.75	2
1420	No	49	7.375	2
1421	No	49	8	2
1422	No	49	8.625	2
1423	No	49	9.25	2
1424	No	49	9.875	2
1425	No	49	11.75	1.2
1426	No	49	13	1.2
1427	No	49	14.25	1.2
1428	No	49	11.125	2
1429	No	49	11.75	2
1430	No	49	12.375	2
1431	No	49	13	2
1432	No	49	13.625	2
1433	No	49	14.25	2
1434	No	49	14.875	2
1435	No	49	16.75	1.2
1436	No	49	18	1.2
1437	No	49	19.25	1.2
1438	No	49	16.125	2
1439	No	49	16.75	2
1440	No	49	17.375	2
1441	No	49	18	2
1442	No	49	18.625	2
1443	No	49	19.25	2
1444	No	49	19.875	2
1445	No	49	21.75	1.2
1446	No	49	23	1.2
1447	No	49	24.25	1.2
1448	No	49	21.125	2
1449	No	49	21.75	2
1450	No	49	22.375	2

Label	Is Auto Point	X m	Y m	DZBelow m
1451	No	49	23	2
1452	No	49	23.625	2
1453	No	49	24.25	2
1454	No	49	24.875	2
1455	No	49	26.75	1.2
1456	No	49	28	1.2
1457	No	49	29.25	1.2
1458	No	49	26.125	2
1459	No	49	26.75	2
1460	No	49	27.375	2
1461	No	49	28	2
1462	No	49	28.625	2
1463	No	49	29.25	2
1464	No	49	29.875	2
1465	No	49	31.75	1.2
1466	No	49	33	1.2
1467	No	49	34.25	1.2
1468	No	49	31.125	2
1469	No	49	31.75	2
1470	No	49	32.375	2
1471	No	49	33	2
1472	No	49	33.625	2
1473	No	49	34.25	2
1474	No	49	34.875	2
1475	No	49	36.75	1.2
1476	No	49	38	1.2
1477	No	49	39.25	1.2
1478	No	49	36.125	2
1479	No	49	36.75	2
1480	No	49	37.375	2
1481	No	49	38	2
1482	No	49	38.625	2
1483	No	49	39.25	2
1484	No	49	39.875	2
1485	No	49	41.75	1.2
1486	No	49	43	1.2
1487	No	49	44.25	1.2
1488	No	49	41.125	2
1489	No	49	41.75	2
1490	No	49	42.375	2
1491	No	49	43	2
1492	No	49	43.625	2
1493	No	49	44.25	2
1494	No	49	44.875	2
1495	No	10	6.125	1.5102
1496	No	10	6.75	1.5102
1497	No	10	7.375	1.5102
1498	No	10	8	1.5102
1499	No	10	8.625	1.5102
1500	No	10	9.25	1.5102
1501	No	10	9.875	1.5102
1502	No	10	6.75	0.7102
1503	No	10	8	0.7102
1504	No	10	9.25	0.7102
1505	No	10	11.125	1.5102
1506	No	10	11.75	1.5102
1507	No	10	12.375	1.5102
1508	No	10	13	1.5102
1509	No	10	13.625	1.5102
1510	No	10	14.25	1.5102

Label	Is Auto Point	X m	Y m	DZBelow m
1511	No	10	14.875	1.5102
1512	No	10	11.75	0.7102
1513	No	10	13	0.7102
1514	No	10	14.25	0.7102
1515	No	10	16.125	1.5102
1516	No	10	16.75	1.5102
1517	No	10	17.375	1.5102
1518	No	10	18	1.5102
1519	No	10	18.625	1.5102
1520	No	10	19.25	1.5102
1521	No	10	19.875	1.5102
1522	No	10	16.75	0.7102
1523	No	10	18	0.7102
1524	No	10	19.25	0.7102
1525	No	10	21.125	1.5102
1526	No	10	21.75	1.5102
1527	No	10	22.375	1.5102
1528	No	10	23	1.5102
1529	No	10	23.625	1.5102
1530	No	10	24.25	1.5102
1531	No	10	24.875	1.5102
1532	No	10	21.75	0.7102
1533	No	10	23	0.7102
1534	No	10	24.25	0.7102
1535	No	10	26.125	1.5102
1536	No	10	26.75	1.5102
1537	No	10	27.375	1.5102
1538	No	10	28	1.5102
1539	No	10	28.625	1.5102
1540	No	10	29.25	1.5102
1541	No	10	29.875	1.5102
1542	No	10	26.75	0.7102
1543	No	10	28	0.7102
1544	No	10	29.25	0.7102
1545	No	10	31.125	1.5102
1546	No	10	31.75	1.5102
1547	No	10	32.375	1.5102
1548	No	10	33	1.5102
1549	No	10	33.625	1.5102
1550	No	10	34.25	1.5102
1551	No	10	34.875	1.5102
1552	No	10	31.75	0.7102
1553	No	10	33	0.7102
1554	No	10	34.25	0.7102
1555	No	10	36.125	1.5102
1556	No	10	36.75	1.5102
1557	No	10	37.375	1.5102
1558	No	10	38	1.5102
1559	No	10	38.625	1.5102
1560	No	10	39.25	1.5102
1561	No	10	39.875	1.5102
1562	No	10	36.75	0.7102
1563	No	10	38	0.7102
1564	No	10	39.25	0.7102
1565	No	10	41.125	1.5102
1566	No	10	41.75	1.5102
1567	No	10	42.375	1.5102
1568	No	10	43	1.5102
1569	No	10	43.625	1.5102
1570	No	10	44.25	1.5102

Label	Is Auto Point	X m	Y m	DZBelow m
1571	No	10	44.875	1.5102
1572	No	10	41.75	0.7102
1573	No	10	43	0.7102
1574	No	10	44.25	0.7102
1575	No	39	6.125	1.5102
1576	No	39	6.75	1.5102
1577	No	39	7.375	1.5102
1578	No	39	8	1.5102
1579	No	39	8.625	1.5102
1580	No	39	9.25	1.5102
1581	No	39	9.875	1.5102
1582	No	39	6.75	0.7102
1583	No	39	8	0.7102
1584	No	39	9.25	0.7102
1585	No	39	11.125	1.5102
1586	No	39	11.75	1.5102
1587	No	39	12.375	1.5102
1588	No	39	13	1.5102
1589	No	39	13.625	1.5102
1590	No	39	14.25	1.5102
1591	No	39	14.875	1.5102
1592	No	39	11.75	0.7102
1593	No	39	13	0.7102
1594	No	39	14.25	0.7102
1595	No	39	16.125	1.5102
1596	No	39	16.75	1.5102
1597	No	39	17.375	1.5102
1598	No	39	18	1.5102
1599	No	39	18.625	1.5102
1600	No	39	19.25	1.5102
1601	No	39	19.875	1.5102
1602	No	39	16.75	0.7102
1603	No	39	18	0.7102
1604	No	39	19.25	0.7102
1605	No	39	21.125	1.5102
1606	No	39	21.75	1.5102
1607	No	39	22.375	1.5102
1608	No	39	23	1.5102
1609	No	39	23.625	1.5102
1610	No	39	24.25	1.5102
1611	No	39	24.875	1.5102
1612	No	39	21.75	0.7102
1613	No	39	23	0.7102
1614	No	39	24.25	0.7102
1615	No	39	26.125	1.5102
1616	No	39	26.75	1.5102
1617	No	39	27.375	1.5102
1618	No	39	28	1.5102
1619	No	39	28.625	1.5102
1620	No	39	29.25	1.5102
1621	No	39	29.875	1.5102
1622	No	39	26.75	0.7102
1623	No	39	28	0.7102
1624	No	39	29.25	0.7102
1625	No	39	31.125	1.5102
1626	No	39	31.75	1.5102
1627	No	39	32.375	1.5102
1628	No	39	33	1.5102
1629	No	39	33.625	1.5102
1630	No	39	34.25	1.5102

วิศวกรผู้ออกแบบงานโครงสร้าง
นายสมภพ เงาจินตรักษ์ วย.1754

Label	Is Auto Point	X m	Y m	DZBelow m
1631	No	39	34.875	1.5102
1632	No	39	31.75	0.7102
1633	No	39	33	0.7102
1634	No	39	34.25	0.7102
1635	No	39	36.125	1.5102
1636	No	39	36.75	1.5102
1637	No	39	37.375	1.5102
1638	No	39	38	1.5102
1639	No	39	38.625	1.5102
1640	No	39	39.25	1.5102
1641	No	39	39.875	1.5102
1642	No	39	36.75	0.7102
1643	No	39	38	0.7102
1644	No	39	39.25	0.7102
1645	No	39	41.125	1.5102
1646	No	39	41.75	1.5102
1647	No	39	42.375	1.5102
1648	No	39	43	1.5102
1649	No	39	43.625	1.5102
1650	No	39	44.25	1.5102
1651	No	39	44.875	1.5102
1652	No	39	41.75	0.7102
1653	No	39	43	0.7102
1654	No	39	44.25	0.7102
1655	No	20	6.75	0.2204
1656	No	20	8	0.2204
1657	No	20	9.25	0.2204
1658	No	20	6.125	1.0204
1659	No	20	6.75	1.0204
1660	No	20	7.375	1.0204
1661	No	20	8	1.0204
1662	No	20	8.625	1.0204
1663	No	20	9.25	1.0204
1664	No	20	9.875	1.0204
1666	No	20	11.75	0.2204
1667	No	20	13	0.2204
1668	No	20	14.25	0.2204
1669	No	20	11.125	1.0204
1670	No	20	11.75	1.0204
1671	No	20	12.375	1.0204
1672	No	20	13	1.0204
1673	No	20	13.625	1.0204
1674	No	20	14.25	1.0204
1675	No	20	14.875	1.0204
1676	No	20	16.75	0.2204
1677	No	20	18	0.2204
1678	No	20	19.25	0.2204
1679	No	20	16.125	1.0204
1680	No	20	16.75	1.0204
1681	No	20	17.375	1.0204
1682	No	20	18	1.0204
1683	No	20	18.625	1.0204
1684	No	20	19.25	1.0204
1685	No	20	19.875	1.0204
1686	No	20	21.75	0.2204
1687	No	20	23	0.2204
1688	No	20	24.25	0.2204
1689	No	20	21.125	1.0204
1690	No	20	21.75	1.0204
1691	No	20	22.375	1.0204

Label	Is Auto Point	X m	Y m	DZBelow m
1692	No	20	23	1.0204
1693	No	20	23.625	1.0204
1694	No	20	24.25	1.0204
1695	No	20	24.875	1.0204
1696	No	20	26.75	0.2204
1697	No	20	28	0.2204
1698	No	20	29.25	0.2204
1699	No	20	26.125	1.0204
1700	No	20	26.75	1.0204
1701	No	20	27.375	1.0204
1702	No	20	28	1.0204
1703	No	20	28.625	1.0204
1704	No	20	29.25	1.0204
1705	No	20	29.875	1.0204
1706	No	20	31.75	0.2204
1707	No	20	33	0.2204
1708	No	20	34.25	0.2204
1709	No	20	31.125	1.0204
1710	No	20	31.75	1.0204
1711	No	20	32.375	1.0204
1712	No	20	33	1.0204
1713	No	20	33.625	1.0204
1714	No	20	34.25	1.0204
1715	No	20	34.875	1.0204
1716	No	20	36.75	0.2204
1717	No	20	38	0.2204
1718	No	20	39.25	0.2204
1719	No	20	36.125	1.0204
1720	No	20	36.75	1.0204
1721	No	20	37.375	1.0204
1722	No	20	38	1.0204
1723	No	20	38.625	1.0204
1724	No	20	39.25	1.0204
1725	No	20	39.875	1.0204
1726	No	20	41.75	0.2204
1727	No	20	43	0.2204
1728	No	20	44.25	0.2204
1729	No	20	41.125	1.0204
1730	No	20	41.75	1.0204
1731	No	20	42.375	1.0204
1732	No	20	43	1.0204
1733	No	20	43.625	1.0204
1734	No	20	44.25	1.0204
1735	No	20	44.875	1.0204
1750	No	29	6.75	0.2204
1751	No	29	8	0.2204
1752	No	29	9.25	0.2204
1753	No	29	6.125	1.0204
1754	No	29	6.75	1.0204
1755	No	29	7.375	1.0204
1756	No	29	8	1.0204
1757	No	29	8.625	1.0204
1758	No	29	9.25	1.0204
1759	No	29	9.875	1.0204
1760	No	29	11.75	0.2204
1761	No	29	13	0.2204
1762	No	29	14.25	0.2204
1763	No	29	11.125	1.0204
1764	No	29	11.75	1.0204
1765	No	29	12.375	1.0204

Label	Is Auto Point	X m	Y m	DZBelow m
1766	No	29	13	1.0204
1767	No	29	13.625	1.0204
1768	No	29	14.25	1.0204
1769	No	29	14.875	1.0204
1770	No	29	16.75	0.2204
1771	No	29	18	0.2204
1772	No	29	19.25	0.2204
1773	No	29	16.125	1.0204
1774	No	29	16.75	1.0204
1775	No	29	17.375	1.0204
1776	No	29	18	1.0204
1777	No	29	18.625	1.0204
1778	No	29	19.25	1.0204
1779	No	29	19.875	1.0204
1780	No	29	21.75	0.2204
1781	No	29	23	0.2204
1782	No	29	24.25	0.2204
1783	No	29	21.125	1.0204
1784	No	29	21.75	1.0204
1785	No	29	22.375	1.0204
1786	No	29	23	1.0204
1787	No	29	23.625	1.0204
1788	No	29	24.25	1.0204
1789	No	29	24.875	1.0204
1790	No	29	26.75	0.2204
1791	No	29	28	0.2204
1792	No	29	29.25	0.2204
1793	No	29	26.125	1.0204
1794	No	29	26.75	1.0204
1795	No	29	27.375	1.0204
1796	No	29	28	1.0204
1797	No	29	28.625	1.0204
1798	No	29	29.25	1.0204
1799	No	29	29.875	1.0204
1800	No	29	31.75	0.2204
1801	No	29	33	0.2204
1802	No	29	34.25	0.2204
1803	No	29	31.125	1.0204
1804	No	29	31.75	1.0204
1805	No	29	32.375	1.0204
1806	No	29	33	1.0204
1807	No	29	33.625	1.0204
1808	No	29	34.25	1.0204
1809	No	29	34.875	1.0204
1810	No	29	36.75	0.2204
1811	No	29	38	0.2204
1812	No	29	39.25	0.2204
1813	No	29	36.125	1.0204
1814	No	29	36.75	1.0204
1815	No	29	37.375	1.0204
1816	No	29	38	1.0204
1817	No	29	38.625	1.0204
1818	No	29	39.25	1.0204
1819	No	29	39.875	1.0204
1820	No	29	41.75	0.2204
1821	No	29	43	0.2204
1822	No	29	44.25	0.2204
1823	No	29	41.125	1.0204
1824	No	29	41.75	1.0204
1825	No	29	42.375	1.0204

Label	Is Auto Point	X m	Y m	DZBelow m
1826	No	29	43	1.0204
1827	No	29	43.625	1.0204
1828	No	29	44.25	1.0204
1829	No	29	44.875	1.0204

Table 1.5 - Point Object Connectivity

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
258	No	Story3	96	No	24.5	10.5	10
259	No	Story3	111	No	24.5	10.5	9.2
260	No	Story3	112	No	0	10.5	8
261	No	Story3	113	No	49	10.5	8
262	No	Story3	114	No	0	10.5	8.8
263	No	Story3	115	No	49	10.5	8.8
266	No	Story3	116	No	20	10.5	9.7796
267	No	Story3	117	No	29	10.5	9.7796
268	No	Story3	118	No	20	10.5	8.9796
269	No	Story3	119	No	29	10.5	8.9796
192	No	Story3	120	No	21.125	10.5	9.8347
207	No	Story3	121	No	22.25	10.5	9.8896
264	No	Story3	122	No	23.375	10.5	9.9449
265	No	Story3	123	No	27.875	10.5	9.8347
270	No	Story3	124	No	26.75	10.5	9.8898
271	No	Story3	125	No	25.625	10.5	9.9449
272	No	Story3	126	No	20.5625	10.5	9.0071
273	No	Story3	127	No	21.125	10.5	9.0347
274	No	Story3	128	No	21.6875	10.5	9.0622
275	No	Story3	129	No	22.25	10.5	9.0898
276	No	Story3	130	No	22.8125	10.5	9.1173
277	No	Story3	131	No	23.375	10.5	9.1449
278	No	Story3	132	No	23.9375	10.5	9.1724
279	No	Story3	133	No	28.4375	10.5	9.0071
280	No	Story3	134	No	27.875	10.5	9.0347
281	No	Story3	135	No	27.3125	10.5	9.0622
282	No	Story3	136	No	26.75	10.5	9.0898
283	No	Story3	137	No	26.1875	10.5	9.1173
284	No	Story3	138	No	25.625	10.5	9.1449
285	No	Story3	139	No	25.0625	10.5	9.1724
286	No	Story3	140	No	1.25	10.5	8.8612
287	No	Story3	141	No	2.5	10.5	8.9224
288	No	Story3	142	No	3.75	10.5	8.9837
289	No	Story3	143	No	5	10.5	9.0449
290	No	Story3	144	No	6.25	10.5	9.1061
291	No	Story3	145	No	7.5	10.5	9.1673
292	No	Story3	146	No	8.75	10.5	9.2286
293	No	Story3	147	No	10	10.5	9.2898
294	No	Story3	148	No	11.25	10.5	9.351
295	No	Story3	149	No	12.5	10.5	9.4122
296	No	Story3	150	No	13.75	10.5	9.4735
297	No	Story3	151	No	15	10.5	9.5347
298	No	Story3	152	No	16.25	10.5	9.5959
299	No	Story3	153	No	17.5	10.5	9.6571
300	No	Story3	154	No	18.75	10.5	9.7184
301	No	Story3	155	No	47.75	10.5	8.8612
302	No	Story3	156	No	46.5	10.5	8.9224
303	No	Story3	157	No	45.25	10.5	8.9837
304	No	Story3	158	No	44	10.5	9.0449
305	No	Story3	159	No	42.75	10.5	9.1061
306	No	Story3	160	No	41.5	10.5	9.1673
307	No	Story3	161	No	40.25	10.5	9.2286

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
308	No	Story3	162	No	39	10.5	9.2898
309	No	Story3	163	No	37.75	10.5	9.351
310	No	Story3	164	No	36.5	10.5	9.4122
311	No	Story3	165	No	35.25	10.5	9.4735
312	No	Story3	166	No	34	10.5	9.5347
313	No	Story3	167	No	32.75	10.5	9.5959
314	No	Story3	168	No	31.5	10.5	9.6571
315	No	Story3	169	No	30.25	10.5	9.7184
316	No	Story3	170	No	0.625	10.5	8.0306
317	No	Story3	171	No	1.25	10.5	8.0612
318	No	Story3	172	No	1.875	10.5	8.0918
319	No	Story3	173	No	2.5	10.5	8.1224
320	No	Story3	174	No	3.125	10.5	8.1531
321	No	Story3	175	No	3.75	10.5	8.1837
322	No	Story3	176	No	4.375	10.5	8.2143
323	No	Story3	177	No	5	10.5	8.2449
324	No	Story3	178	No	5.625	10.5	8.2755
325	No	Story3	179	No	6.25	10.5	8.3061
326	No	Story3	180	No	6.875	10.5	8.3367
327	No	Story3	181	No	7.5	10.5	8.3673
328	No	Story3	182	No	8.125	10.5	8.398
329	No	Story3	183	No	8.75	10.5	8.4286
330	No	Story3	184	No	9.375	10.5	8.4592
331	No	Story3	185	No	10	10.5	8.4898
332	No	Story3	186	No	10.625	10.5	8.5204
333	No	Story3	187	No	11.25	10.5	8.551
334	No	Story3	188	No	11.875	10.5	8.5816
335	No	Story3	189	No	12.5	10.5	8.6122
336	No	Story3	190	No	13.125	10.5	8.6429
337	No	Story3	191	No	13.75	10.5	8.6735
338	No	Story3	192	No	14.375	10.5	8.7041
339	No	Story3	193	No	15	10.5	8.7347
340	No	Story3	194	No	15.625	10.5	8.7653
341	No	Story3	195	No	16.25	10.5	8.7959
342	No	Story3	196	No	16.875	10.5	8.8265
343	No	Story3	197	No	17.5	10.5	8.8571
344	No	Story3	198	No	18.125	10.5	8.8878
345	No	Story3	199	No	18.75	10.5	8.9184
346	No	Story3	200	No	19.375	10.5	8.949
347	No	Story3	201	No	48.375	10.5	8.0306
348	No	Story3	202	No	47.75	10.5	8.0612
349	No	Story3	203	No	47.125	10.5	8.0918
350	No	Story3	204	No	46.5	10.5	8.1224
351	No	Story3	205	No	45.875	10.5	8.1531
352	No	Story3	206	No	45.25	10.5	8.1837
353	No	Story3	207	No	44.625	10.5	8.2143
354	No	Story3	208	No	44	10.5	8.2449
355	No	Story3	209	No	43.375	10.5	8.2755
356	No	Story3	210	No	42.75	10.5	8.3061
357	No	Story3	211	No	42.125	10.5	8.3367
358	No	Story3	212	No	41.5	10.5	8.3673
359	No	Story3	213	No	40.875	10.5	8.398
360	No	Story3	214	No	40.25	10.5	8.4286
361	No	Story3	215	No	39.625	10.5	8.4592
362	No	Story3	216	No	39	10.5	8.4898
363	No	Story3	217	No	38.375	10.5	8.5204
364	No	Story3	218	No	37.75	10.5	8.551
365	No	Story3	219	No	37.125	10.5	8.5816
366	No	Story3	220	No	36.5	10.5	8.6122
367	No	Story3	221	No	35.875	10.5	8.6429

วิศวกรผู้ออกแบบงานโครงสร้าง
นายสมภพ เงาจินตรักษ์ วย.1754

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
368	No	Story3	222	No	35.25	10.5	8.6735
369	No	Story3	223	No	34.625	10.5	8.7041
370	No	Story3	224	No	34	10.5	8.7347
371	No	Story3	225	No	33.375	10.5	8.7653
372	No	Story3	226	No	32.75	10.5	8.7959
373	No	Story3	227	No	32.125	10.5	8.8265
374	No	Story3	228	No	31.5	10.5	8.8571
375	No	Story3	229	No	30.875	10.5	8.8878
376	No	Story3	230	No	30.25	10.5	8.9184
377	No	Story3	231	No	29.625	10.5	8.949
378	No	Story3	232	No	-1.3	10.5	8
380	No	Story3	234	Yes	-1.3	11.189	8
381	No	Story3	235	No	-1.3	10.5	8.689
382	No	Story3	236	No	-0.8667	10.5	8
383	No	Story3	237	No	-0.4333	10.5	8
384	No	Story3	238	No	-1.3	10.5	8.2297
385	No	Story3	239	No	-1.3	10.5	8.4593
386	No	Story3	240	No	-0.8667	10.5	8.726
387	No	Story3	241	No	-0.4333	10.5	8.763
388	No	Story3	242	No	50.3	10.5	8
389	No	Story3	243	No	50.3	10.5	8.689
390	No	Story3	244	No	49.4333	10.5	8
391	No	Story3	245	No	49.8667	10.5	8
392	No	Story3	246	No	49.8667	10.5	8.726
393	No	Story3	247	No	49.4333	10.5	8.763
394	No	Story3	248	Yes	24.5	5.5	10
395	No	Story3	249	Yes	24.5	5.5	9.2
396	No	Story3	250	Yes	0	5.5	8
397	No	Story3	251	Yes	49	5.5	8
398	No	Story3	252	Yes	0	5.5	8.8
399	No	Story3	253	Yes	49	5.5	8.8
400	No	Story3	254	Yes	20	5.5	9.7796
401	No	Story3	255	Yes	29	5.5	9.7796
402	No	Story3	256	Yes	20	5.5	8.9796
403	No	Story3	257	Yes	29	5.5	8.9796
404	No	Story3	258	Yes	21.125	5.5	9.8347
405	No	Story3	259	Yes	22.25	5.5	9.8898
406	No	Story3	260	Yes	23.375	5.5	9.9449
407	No	Story3	261	Yes	27.875	5.5	9.8347
408	No	Story3	262	Yes	26.75	5.5	9.8898
409	No	Story3	263	Yes	25.625	5.5	9.9449
410	No	Story3	264	Yes	20.5625	5.5	9.0071
411	No	Story3	265	Yes	21.125	5.5	9.0347
412	No	Story3	266	Yes	21.6875	5.5	9.0622
413	No	Story3	267	Yes	22.25	5.5	9.0898
414	No	Story3	268	Yes	22.8125	5.5	9.1173
415	No	Story3	269	Yes	23.375	5.5	9.1449
416	No	Story3	270	Yes	23.9375	5.5	9.1724
417	No	Story3	271	Yes	28.4375	5.5	9.0071
418	No	Story3	272	Yes	27.875	5.5	9.0347
419	No	Story3	273	Yes	27.3125	5.5	9.0622
420	No	Story3	274	Yes	26.75	5.5	9.0898
421	No	Story3	275	Yes	26.1875	5.5	9.1173
422	No	Story3	276	Yes	25.625	5.5	9.1449
423	No	Story3	277	Yes	25.0625	5.5	9.1724
424	No	Story3	278	Yes	1.25	5.5	8.8612
425	No	Story3	279	Yes	2.5	5.5	8.9224
426	No	Story3	280	Yes	3.75	5.5	8.9837
427	No	Story3	281	Yes	5	5.5	9.0449
428	No	Story3	282	Yes	6.25	5.5	9.1061

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
429	No	Story3	283	Yes	7.5	5.5	9.1673
430	No	Story3	284	Yes	8.75	5.5	9.2286
431	No	Story3	285	Yes	10	5.5	9.2898
432	No	Story3	286	Yes	11.25	5.5	9.351
433	No	Story3	287	Yes	12.5	5.5	9.4122
434	No	Story3	288	Yes	13.75	5.5	9.4735
435	No	Story3	289	Yes	15	5.5	9.5347
436	No	Story3	290	Yes	16.25	5.5	9.5959
437	No	Story3	291	Yes	17.5	5.5	9.6571
438	No	Story3	292	Yes	18.75	5.5	9.7184
439	No	Story3	293	Yes	47.75	5.5	8.8612
440	No	Story3	294	Yes	46.5	5.5	8.9224
441	No	Story3	295	Yes	45.25	5.5	8.9837
442	No	Story3	296	Yes	44	5.5	9.0449
443	No	Story3	297	Yes	42.75	5.5	9.1061
444	No	Story3	298	Yes	41.5	5.5	9.1673
445	No	Story3	299	Yes	40.25	5.5	9.2286
446	No	Story3	300	Yes	39	5.5	9.2898
447	No	Story3	301	Yes	37.75	5.5	9.351
448	No	Story3	302	Yes	36.5	5.5	9.4122
449	No	Story3	303	Yes	35.25	5.5	9.4735
450	No	Story3	304	Yes	34	5.5	9.5347
451	No	Story3	305	Yes	32.75	5.5	9.5959
452	No	Story3	306	Yes	31.5	5.5	9.6571
453	No	Story3	307	Yes	30.25	5.5	9.7184
454	No	Story3	308	Yes	0.625	5.5	8.0306
455	No	Story3	309	Yes	1.25	5.5	8.0612
456	No	Story3	310	Yes	1.875	5.5	8.0918
457	No	Story3	311	Yes	2.5	5.5	8.1224
458	No	Story3	312	Yes	3.125	5.5	8.1531
459	No	Story3	313	Yes	3.75	5.5	8.1837
460	No	Story3	314	Yes	4.375	5.5	8.2143
461	No	Story3	315	Yes	5	5.5	8.2449
462	No	Story3	316	Yes	5.625	5.5	8.2755
463	No	Story3	317	Yes	6.25	5.5	8.3061
464	No	Story3	318	Yes	6.875	5.5	8.3367
465	No	Story3	319	Yes	7.5	5.5	8.3673
466	No	Story3	320	Yes	8.125	5.5	8.398
467	No	Story3	321	Yes	8.75	5.5	8.4286
468	No	Story3	322	Yes	9.375	5.5	8.4592
469	No	Story3	323	Yes	10	5.5	8.4898
470	No	Story3	324	Yes	10.625	5.5	8.5204
471	No	Story3	325	Yes	11.25	5.5	8.551
472	No	Story3	326	Yes	11.875	5.5	8.5816
473	No	Story3	327	Yes	12.5	5.5	8.6122
474	No	Story3	328	Yes	13.125	5.5	8.6429
475	No	Story3	329	Yes	13.75	5.5	8.6735
476	No	Story3	330	Yes	14.375	5.5	8.7041
477	No	Story3	331	Yes	15	5.5	8.7347
478	No	Story3	332	Yes	15.625	5.5	8.7653
479	No	Story3	333	Yes	16.25	5.5	8.7959
480	No	Story3	334	Yes	16.875	5.5	8.8265
481	No	Story3	335	Yes	17.5	5.5	8.8571
482	No	Story3	336	Yes	18.125	5.5	8.8878
483	No	Story3	337	Yes	18.75	5.5	8.9184
484	No	Story3	338	Yes	19.375	5.5	8.949
485	No	Story3	339	Yes	48.375	5.5	8.0306
486	No	Story3	340	Yes	47.75	5.5	8.0612
487	No	Story3	341	Yes	47.125	5.5	8.0918
488	No	Story3	342	Yes	46.5	5.5	8.1224

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
489	No	Story3	343	Yes	45.875	5.5	8.1531
490	No	Story3	344	Yes	45.25	5.5	8.1837
491	No	Story3	345	Yes	44.625	5.5	8.2143
492	No	Story3	346	Yes	44	5.5	8.2449
493	No	Story3	347	Yes	43.375	5.5	8.2755
494	No	Story3	348	Yes	42.75	5.5	8.3061
495	No	Story3	349	Yes	42.125	5.5	8.3367
496	No	Story3	350	Yes	41.5	5.5	8.3673
497	No	Story3	351	Yes	40.875	5.5	8.398
498	No	Story3	352	Yes	40.25	5.5	8.4286
499	No	Story3	353	Yes	39.625	5.5	8.4592
500	No	Story3	354	Yes	39	5.5	8.4898
501	No	Story3	355	Yes	38.375	5.5	8.5204
502	No	Story3	356	Yes	37.75	5.5	8.551
503	No	Story3	357	Yes	37.125	5.5	8.5816
504	No	Story3	358	Yes	36.5	5.5	8.6122
505	No	Story3	359	Yes	35.875	5.5	8.6429
506	No	Story3	360	Yes	35.25	5.5	8.6735
507	No	Story3	361	Yes	34.625	5.5	8.7041
508	No	Story3	362	Yes	34	5.5	8.7347
509	No	Story3	363	Yes	33.375	5.5	8.7653
510	No	Story3	364	Yes	32.75	5.5	8.7959
511	No	Story3	365	Yes	32.125	5.5	8.8265
512	No	Story3	366	Yes	31.5	5.5	8.8571
513	No	Story3	367	Yes	30.875	5.5	8.8878
514	No	Story3	368	Yes	30.25	5.5	8.9184
515	No	Story3	369	Yes	29.625	5.5	8.949
516	No	Story3	370	Yes	-1.3	5.5	8
517	No	Story3	371	Yes	-1.3	5.5	8.689
518	No	Story3	372	Yes	-0.8667	5.5	8
519	No	Story3	373	Yes	-0.4333	5.5	8
520	No	Story3	374	Yes	-1.3	5.5	8.2297
521	No	Story3	375	Yes	-1.3	5.5	8.4593
522	No	Story3	376	Yes	-0.8667	5.5	8.726
523	No	Story3	377	Yes	-0.4333	5.5	8.763
524	No	Story3	378	Yes	50.3	5.5	8
525	No	Story3	379	Yes	50.3	5.5	8.689
526	No	Story3	380	Yes	49.4333	5.5	8
527	No	Story3	381	Yes	49.8667	5.5	8
528	No	Story3	382	Yes	49.8667	5.5	8.726
529	No	Story3	383	Yes	49.4333	5.5	8.763
530	No	Story3	384	Yes	24.5	15.5	10
531	No	Story3	385	Yes	24.5	15.5	9.2
532	No	Story3	386	Yes	0	15.5	8
533	No	Story3	387	Yes	49	15.5	8
534	No	Story3	388	Yes	0	15.5	8.8
535	No	Story3	389	Yes	49	15.5	8.8
536	No	Story3	390	Yes	20	15.5	9.7796
537	No	Story3	391	Yes	29	15.5	9.7796
538	No	Story3	392	Yes	20	15.5	8.9796
539	No	Story3	393	Yes	29	15.5	8.9796
540	No	Story3	394	Yes	21.125	15.5	9.8347
541	No	Story3	395	Yes	22.25	15.5	9.8898
542	No	Story3	396	Yes	23.375	15.5	9.9449
543	No	Story3	397	Yes	27.875	15.5	9.8347
544	No	Story3	398	Yes	26.75	15.5	9.8898
545	No	Story3	399	Yes	25.625	15.5	9.9449
546	No	Story3	400	Yes	20.5625	15.5	9.0071
547	No	Story3	401	Yes	21.125	15.5	9.0347
548	No	Story3	402	Yes	21.8875	15.5	9.0622

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
549	No	Story3	403	Yes	22.25	15.5	9.0898
550	No	Story3	404	Yes	22.8125	15.5	9.1173
551	No	Story3	405	Yes	23.375	15.5	9.1449
552	No	Story3	406	Yes	23.9375	15.5	9.1724
553	No	Story3	407	Yes	28.4375	15.5	9.0071
554	No	Story3	408	Yes	27.875	15.5	9.0347
555	No	Story3	409	Yes	27.3125	15.5	9.0622
556	No	Story3	410	Yes	26.75	15.5	9.0898
557	No	Story3	411	Yes	26.1875	15.5	9.1173
558	No	Story3	412	Yes	25.625	15.5	9.1449
559	No	Story3	413	Yes	25.0625	15.5	9.1724
560	No	Story3	414	Yes	1.25	15.5	8.8612
561	No	Story3	415	Yes	2.5	15.5	8.9224
562	No	Story3	416	Yes	3.75	15.5	8.9837
563	No	Story3	417	Yes	5	15.5	9.0449
564	No	Story3	418	Yes	6.25	15.5	9.1061
565	No	Story3	419	Yes	7.5	15.5	9.1673
566	No	Story3	420	Yes	8.75	15.5	9.2286
567	No	Story3	421	Yes	10	15.5	9.2898
568	No	Story3	422	Yes	11.25	15.5	9.351
569	No	Story3	423	Yes	12.5	15.5	9.4122
570	No	Story3	424	Yes	13.75	15.5	9.4735
571	No	Story3	425	Yes	15	15.5	9.5347
572	No	Story3	426	Yes	16.25	15.5	9.5959
573	No	Story3	427	Yes	17.5	15.5	9.6571
574	No	Story3	428	Yes	18.75	15.5	9.7184
575	No	Story3	429	Yes	47.75	15.5	8.8612
576	No	Story3	430	Yes	46.5	15.5	8.9224
577	No	Story3	431	Yes	45.25	15.5	8.9837
578	No	Story3	432	Yes	44	15.5	9.0449
579	No	Story3	433	Yes	42.75	15.5	9.1061
580	No	Story3	434	Yes	41.5	15.5	9.1673
581	No	Story3	435	Yes	40.25	15.5	9.2286
582	No	Story3	436	Yes	39	15.5	9.2898
583	No	Story3	437	Yes	37.75	15.5	9.351
584	No	Story3	438	Yes	36.5	15.5	9.4122
585	No	Story3	439	Yes	35.25	15.5	9.4735
586	No	Story3	440	Yes	34	15.5	9.5347
587	No	Story3	441	Yes	32.75	15.5	9.5959
588	No	Story3	442	Yes	31.5	15.5	9.6571
589	No	Story3	443	Yes	30.25	15.5	9.7184
590	No	Story3	444	Yes	0.625	15.5	8.0306
591	No	Story3	445	Yes	1.25	15.5	8.0612
592	No	Story3	446	Yes	1.875	15.5	8.0918
593	No	Story3	447	Yes	2.5	15.5	8.1224
594	No	Story3	448	Yes	3.125	15.5	8.1531
595	No	Story3	449	Yes	3.75	15.5	8.1837
596	No	Story3	450	Yes	4.375	15.5	8.2143
597	No	Story3	451	Yes	5	15.5	8.2449
598	No	Story3	452	Yes	5.625	15.5	8.2755
599	No	Story3	453	Yes	6.25	15.5	8.3061
600	No	Story3	454	Yes	6.875	15.5	8.3367
601	No	Story3	455	Yes	7.5	15.5	8.3673
602	No	Story3	456	Yes	8.125	15.5	8.398
603	No	Story3	457	Yes	8.75	15.5	8.4286
604	No	Story3	458	Yes	9.375	15.5	8.4592
605	No	Story3	459	Yes	10	15.5	8.4898
606	No	Story3	460	Yes	10.625	15.5	8.5204
607	No	Story3	461	Yes	11.25	15.5	8.551
608	No	Story3	462	Yes	11.875	15.5	8.5816

วิศวกรผู้ออกแบบงานโครงสร้าง
นายสมภพ เงาจินตรักษ์ วย.1754

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
609	No	Story3	463	Yes	12,5	15,5	8,6122
610	No	Story3	464	Yes	13,125	15,5	8,6429
611	No	Story3	465	Yes	13,75	15,5	8,6735
612	No	Story3	466	Yes	14,375	15,5	8,7041
613	No	Story3	467	Yes	15	15,5	8,7347
614	No	Story3	468	Yes	15,625	15,5	8,7653
615	No	Story3	469	Yes	16,25	15,5	8,7959
616	No	Story3	470	Yes	16,875	15,5	8,8265
617	No	Story3	471	Yes	17,5	15,5	8,8571
618	No	Story3	472	Yes	18,125	15,5	8,8878
619	No	Story3	473	Yes	18,75	15,5	8,9184
620	No	Story3	474	Yes	19,375	15,5	8,949
621	No	Story3	475	Yes	48,375	15,5	8,0306
622	No	Story3	476	Yes	47,75	15,5	8,0612
623	No	Story3	477	Yes	47,125	15,5	8,0918
624	No	Story3	478	Yes	46,5	15,5	8,1224
625	No	Story3	479	Yes	45,875	15,5	8,1531
626	No	Story3	480	Yes	45,25	15,5	8,1837
627	No	Story3	481	Yes	44,625	15,5	8,2143
628	No	Story3	482	Yes	44	15,5	8,2449
629	No	Story3	483	Yes	43,375	15,5	8,2755
630	No	Story3	484	Yes	42,75	15,5	8,3061
631	No	Story3	485	Yes	42,125	15,5	8,3367
632	No	Story3	486	Yes	41,5	15,5	8,3673
633	No	Story3	487	Yes	40,875	15,5	8,398
634	No	Story3	488	Yes	40,25	15,5	8,4286
635	No	Story3	489	Yes	39,625	15,5	8,4592
636	No	Story3	490	Yes	39	15,5	8,4898
637	No	Story3	491	Yes	38,375	15,5	8,5204
638	No	Story3	492	Yes	37,75	15,5	8,551
639	No	Story3	493	Yes	37,125	15,5	8,5816
640	No	Story3	494	Yes	36,5	15,5	8,6122
641	No	Story3	495	Yes	35,875	15,5	8,6429
642	No	Story3	496	Yes	35,25	15,5	8,6735
643	No	Story3	497	Yes	34,625	15,5	8,7041
644	No	Story3	498	Yes	34	15,5	8,7347
645	No	Story3	499	Yes	33,375	15,5	8,7653
646	No	Story3	500	Yes	32,75	15,5	8,7959
647	No	Story3	501	Yes	32,125	15,5	8,8265
648	No	Story3	502	Yes	31,5	15,5	8,8571
649	No	Story3	503	Yes	30,875	15,5	8,8878
650	No	Story3	504	Yes	30,25	15,5	8,9184
651	No	Story3	505	Yes	29,625	15,5	8,949
652	No	Story3	506	Yes	-1,3	15,5	8
653	No	Story3	507	Yes	-1,3	15,5	8,689
654	No	Story3	508	Yes	-0,8667	15,5	8
655	No	Story3	509	Yes	-0,4333	15,5	8
656	No	Story3	510	Yes	-1,3	15,5	8,2297
657	No	Story3	511	Yes	-1,3	15,5	8,4593
658	No	Story3	512	Yes	-0,8667	15,5	8,726
659	No	Story3	513	Yes	-0,4333	15,5	8,763
660	No	Story3	514	Yes	50,3	15,5	8
661	No	Story3	515	Yes	50,3	15,5	8,689
662	No	Story3	516	Yes	49,4333	15,5	8
663	No	Story3	517	Yes	49,8667	15,5	8
664	No	Story3	518	Yes	49,8667	15,5	8,726
665	No	Story3	519	Yes	49,4333	15,5	8,763
666	No	Story3	520	Yes	24,5	20,5	10
667	No	Story3	521	Yes	24,5	20,5	9,2
668	No	Story3	522	Yes	0	20,5	8

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
669	No	Story3	523	Yes	49	20,5	8
670	No	Story3	524	Yes	0	20,5	8,8
671	No	Story3	525	Yes	49	20,5	8,8
672	No	Story3	526	Yes	20	20,5	9,7796
673	No	Story3	527	Yes	29	20,5	9,7796
674	No	Story3	528	Yes	20	20,5	8,9796
675	No	Story3	529	Yes	29	20,5	8,9796
676	No	Story3	530	Yes	21,125	20,5	9,8347
677	No	Story3	531	Yes	22,25	20,5	9,8898
678	No	Story3	532	Yes	23,375	20,5	9,9449
679	No	Story3	533	Yes	27,875	20,5	9,8347
680	No	Story3	534	Yes	26,75	20,5	9,8898
681	No	Story3	535	Yes	25,625	20,5	9,9449
682	No	Story3	536	Yes	20,5625	20,5	9,0071
683	No	Story3	537	Yes	21,125	20,5	9,0347
684	No	Story3	538	Yes	21,6875	20,5	9,0622
685	No	Story3	539	Yes	22,25	20,5	9,0898
686	No	Story3	540	Yes	22,8125	20,5	9,1173
687	No	Story3	541	Yes	23,375	20,5	9,1449
688	No	Story3	542	Yes	23,9375	20,5	9,1724
689	No	Story3	543	Yes	28,4375	20,5	9,0071
690	No	Story3	544	Yes	27,875	20,5	9,0347
691	No	Story3	545	Yes	27,3125	20,5	9,0622
692	No	Story3	546	Yes	26,75	20,5	9,0898
693	No	Story3	547	Yes	26,1875	20,5	9,1173
694	No	Story3	548	Yes	25,625	20,5	9,1449
695	No	Story3	549	Yes	25,0625	20,5	9,1724
696	No	Story3	550	Yes	1,25	20,5	8,8612
697	No	Story3	551	Yes	2,5	20,5	8,9224
698	No	Story3	552	Yes	3,75	20,5	8,9837
699	No	Story3	553	Yes	5	20,5	9,0449
700	No	Story3	554	Yes	6,25	20,5	9,1061
701	No	Story3	555	Yes	7,5	20,5	9,1673
702	No	Story3	556	Yes	8,75	20,5	9,2286
703	No	Story3	557	Yes	10	20,5	9,2898
704	No	Story3	558	Yes	11,25	20,5	9,351
705	No	Story3	559	Yes	12,5	20,5	9,4122
706	No	Story3	560	Yes	13,75	20,5	9,4735
707	No	Story3	561	Yes	15	20,5	9,5347
708	No	Story3	562	Yes	16,25	20,5	9,5959
709	No	Story3	563	Yes	17,5	20,5	9,6571
710	No	Story3	564	Yes	18,75	20,5	9,7184
711	No	Story3	565	Yes	47,75	20,5	8,8612
712	No	Story3	566	Yes	46,5	20,5	8,9224
713	No	Story3	567	Yes	45,25	20,5	8,9837
714	No	Story3	568	Yes	44	20,5	9,0449
715	No	Story3	569	Yes	42,75	20,5	9,1061
716	No	Story3	570	Yes	41,5	20,5	9,1673
717	No	Story3	571	Yes	40,25	20,5	9,2286
718	No	Story3	572	Yes	39	20,5	9,2898
719	No	Story3	573	Yes	37,75	20,5	9,351
720	No	Story3	574	Yes	36,5	20,5	9,4122
721	No	Story3	575	Yes	35,25	20,5	9,4735
722	No	Story3	576	Yes	34	20,5	9,5347
723	No	Story3	577	Yes	32,75	20,5	9,5959
724	No	Story3	578	Yes	31,5	20,5	9,6571
725	No	Story3	579	Yes	30,25	20,5	9,7184
726	No	Story3	580	Yes	0,625	20,5	8,0306
727	No	Story3	581	Yes	1,25	20,5	8,0612
728	No	Story3	582	Yes	1,875	20,5	8,0918

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
729	No	Story3	583	Yes	2,5	20,5	8,1224
730	No	Story3	584	Yes	3,125	20,5	8,1531
731	No	Story3	585	Yes	3,75	20,5	8,1837
732	No	Story3	586	Yes	4,375	20,5	8,2143
733	No	Story3	587	Yes	5	20,5	8,2449
734	No	Story3	588	Yes	5,625	20,5	8,2755
735	No	Story3	589	Yes	6,25	20,5	8,3061
736	No	Story3	590	Yes	6,875	20,5	8,3367
737	No	Story3	591	Yes	7,5	20,5	8,3673
738	No	Story3	592	Yes	8,125	20,5	8,398
739	No	Story3	593	Yes	8,75	20,5	8,4286
740	No	Story3	594	Yes	9,375	20,5	8,4592
741	No	Story3	595	Yes	10	20,5	8,4898
742	No	Story3	596	Yes	10,625	20,5	8,5204
743	No	Story3	597	Yes	11,25	20,5	8,551
744	No	Story3	598	Yes	11,875	20,5	8,5816
745	No	Story3	599	Yes	12,5	20,5	8,6122
746	No	Story3	600	Yes	13,125	20,5	8,6429
747	No	Story3	601	Yes	13,75	20,5	8,6735
748	No	Story3	602	Yes	14,375	20,5	8,7041
749	No	Story3	603	Yes	15	20,5	8,7347
750	No	Story3	604	Yes	15,625	20,5	8,7653
751	No	Story3	605	Yes	16,25	20,5	8,7959
752	No	Story3	606	Yes	16,875	20,5	8,8265
753	No	Story3	607	Yes	17,5	20,5	8,8571
754	No	Story3	608	Yes	18,125	20,5	8,8878
755	No	Story3	609	Yes	18,75	20,5	8,9184
756	No	Story3	610	Yes	19,375	20,5	8,949
757	No	Story3	611	Yes	48,375	20,5	8,0306
758	No	Story3	612	Yes	47,75	20,5	8,0612
759	No	Story3	613	Yes	47,125	20,5	8,0918
760	No	Story3	614	Yes	46,5	20,5	8,1224
761	No	Story3	615	Yes	45,875	20,5	8,1531
762	No	Story3	616	Yes	45,25	20,5	8,1837
763	No	Story3	617	Yes	44,625	20,5	8,2143
764	No	Story3	618	Yes	44	20,5	8,2449
765	No	Story3	619	Yes	43,375	20,5	8,2755
766	No	Story3	620	Yes	42,75	20,5	8,3061
767	No	Story3	621	Yes	42,125	20,5	8,3367
768	No	Story3	622	Yes	41,5	20,5	8,3673
769	No	Story3	623	Yes	40,875	20,5	8,398
770	No	Story3	624	Yes	40,25	20,5	8,4286
771	No	Story3	625	Yes	39,625	20,5	8,4592
772	No	Story3	626	Yes	39	20,5	8,4898
773	No	Story3	627	Yes	38,375	20,5	8,5204
774	No	Story3	628	Yes	37,75	20,5	8,551
775	No	Story3	629	Yes	37,125	20,5	8,5816
776	No	Story3	630	Yes	36,5	20,5	8,6122
777	No	Story3	631	Yes	35,875	20,5	8,6429
778	No	Story3	632	Yes	35,25	20,5	8,6735
779	No	Story3	633	Yes	34,625	20,5	8,7041
780	No	Story3	634	Yes	34	20,5	8,7347
781	No	Story3	635	Yes	33,375	20,5	8,7653
782	No	Story3	636	Yes	32,75	20,5	8,7959
783	No	Story3	637	Yes	32,125	20,5	8,8265
784	No	Story3	638	Yes	31,5	20,5	8,8571
785	No	Story3	639	Yes	30,875	20,5	8,8878
786	No	Story3	640	Yes	30,25	20,5	8,9184
787	No	Story3	641	Yes	29,625	20,5	8,949
788	No	Story3	642	Yes	-1,3	20,5	8

วิศวกรผู้ออกแบบงานโครงสร้าง
นายสมภพ เงาจินตรักษ์ วย.1754

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
789	No	Story3	643	Yes	-1,3	20,5	8,689
790	No	Story3	644	Yes	-0,8667	20,5	8
791	No	Story3	645	Yes	-0,4333	20,5	8
792	No	Story3	646	Yes	-1,3	20,5	8,2297
793	No	Story3	647	Yes	-1,3	20,5	8,4593
794	No	Story3	648	Yes	-0,8667	20,5	8,726
795	No	Story3	649	Yes	-0,4333	20,5	8,763
796	No	Story3	650	Yes	50,3	20,5	8
797	No	Story3	651	Yes	50,3	20,5	8,689
798	No	Story3	652	Yes	49,4333	20,5	8
799	No	Story3	653	Yes	49,8667	20,5	8
800	No	Story3	654	Yes	49,8667	20,5	8,726
801	No	Story3	655	Yes	49,4333	20,5	8,763
802	No	Story3	656	Yes	24,5	25,5	10
803	No	Story3	657	Yes	24,5	25,5	9,2
804	No	Story3	658	Yes	0	25,5	8
805	No	Story3	659	Yes	49	25,5	8
806	No	Story3	660	Yes	0	25,5	8,8
807	No	Story3	661	Yes	49	25,5	8,8
808	No	Story3	662	Yes	20	25,5	9,7796
809	No	Story3	663	Yes	29	25,5	9,7796
810	No	Story3	664	Yes	20	25,5	8,9796
811	No	Story3	665	Yes	29	25,5	8,9796
812	No	Story3	666	Yes	21,125	25,5	9,8347
813	No	Story3	667	Yes	22,25	25,5	9,8898
814	No	Story3	668	Yes	23,375	25,5	9,9449
815	No	Story3	669	Yes	27,875	25,5	9,8347
816	No	Story3	670	Yes	26,75	25,5	9,8898
817	No	Story3	671	Yes	25,625	25,5	9,9449
818	No	Story3	672	Yes	20,5625	25,5	9,0071
819	No	Story3	673	Yes	21,125	25,5	9,0347
820	No	Story3	674	Yes	21,6875	25,5	9,0622
821	No	Story3	675	Yes	22,25	25,5	9,0898
822	No	Story3	676	Yes	22,8125	25,5	9,1173
823	No	Story3	677	Yes	23,375	25,5	9,1449
824	No	Story3	678	Yes	23,9375	25,5	9,1724
825	No	Story3	679	Yes	28,4375	25,5	9,0071
826	No	Story3	680	Yes	27,875	25,5	9,0347
827	No	Story3	681	Yes	27,3125	25,5	9,0622
828	No	Story3	682	Yes	26,75	25,5	9,0898
829	No	Story3	683	Yes	26,1875	25,5	9,1173
830	No	Story3	684	Yes	25,625	25,5	9,1449
831	No	Story3	685	Yes	25,0625	25,5	9,1724
832	No	Story3	686	Yes	1,25	25,5	8,8612
833	No	Story3	687	Yes	2,5	25,5	8,9224
834	No	Story3	688	Yes	3,75	25,5	8,9837
835	No	Story3	689	Yes	5	25,5	9,0449
836	No	Story3	690	Yes	6,25	25,5	9,1061
837	No	Story3	691	Yes	7,5	25,5	9,1673
838	No	Story3	692	Yes	8,75	25,5	9,2286
839	No	Story3	693	Yes	10	25,5	9,2898
840	No	Story3	694	Yes	11,25	25,5	9,351
841	No	Story3	695	Yes	12,5	25,5	9,4122
842	No	Story3	696	Yes	13,75	25,5	9,4735
843	No	Story3	697	Yes	15	25,5	9,5347
844	No	Story3	698	Yes	16,25	25,5	9,5959
845	No	Story3	699	Yes	17,5	25,5	9,6571
846	No	Story3	700	Yes	18,75	25,5	9,7184
847	No	Story3	701	Yes	47,75	25,5	8,8612
848	No	Story3	702	Yes	46,5	25,5	8,9224

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
849	No	Story3	703	Yes	45.25	25.5	8.9837
850	No	Story3	704	Yes	44	25.5	9.0449
851	No	Story3	705	Yes	42.75	25.5	9.1061
852	No	Story3	706	Yes	41.5	25.5	9.1673
853	No	Story3	707	Yes	40.25	25.5	9.2286
854	No	Story3	708	Yes	39	25.5	9.2898
855	No	Story3	709	Yes	37.75	25.5	9.351
856	No	Story3	710	Yes	36.5	25.5	9.4122
857	No	Story3	711	Yes	35.25	25.5	9.4735
858	No	Story3	712	Yes	34	25.5	9.5347
859	No	Story3	713	Yes	32.75	25.5	9.5959
860	No	Story3	714	Yes	31.5	25.5	9.6571
861	No	Story3	715	Yes	30.25	25.5	9.7184
862	No	Story3	716	Yes	0.625	25.5	8.0306
863	No	Story3	717	Yes	1.25	25.5	8.0612
864	No	Story3	718	Yes	1.875	25.5	8.0918
865	No	Story3	719	Yes	2.5	25.5	8.1224
866	No	Story3	720	Yes	3.125	25.5	8.1531
867	No	Story3	721	Yes	3.75	25.5	8.1837
868	No	Story3	722	Yes	4.375	25.5	8.2143
869	No	Story3	723	Yes	5	25.5	8.2449
870	No	Story3	724	Yes	5.625	25.5	8.2755
871	No	Story3	725	Yes	6.25	25.5	8.3061
872	No	Story3	726	Yes	6.875	25.5	8.3367
873	No	Story3	727	Yes	7.5	25.5	8.3673
874	No	Story3	728	Yes	8.125	25.5	8.398
875	No	Story3	729	Yes	8.75	25.5	8.4286
876	No	Story3	730	Yes	9.375	25.5	8.4592
877	No	Story3	731	Yes	10	25.5	8.4898
878	No	Story3	732	Yes	10.625	25.5	8.5204
879	No	Story3	733	Yes	11.25	25.5	8.551
880	No	Story3	734	Yes	11.875	25.5	8.5816
881	No	Story3	735	Yes	12.5	25.5	8.6122
882	No	Story3	736	Yes	13.125	25.5	8.6429
883	No	Story3	737	Yes	13.75	25.5	8.6735
884	No	Story3	738	Yes	14.375	25.5	8.7041
885	No	Story3	739	Yes	15	25.5	8.7347
886	No	Story3	740	Yes	15.625	25.5	8.7653
887	No	Story3	741	Yes	16.25	25.5	8.7959
888	No	Story3	742	Yes	16.875	25.5	8.8265
889	No	Story3	743	Yes	17.5	25.5	8.8571
890	No	Story3	744	Yes	18.125	25.5	8.8878
891	No	Story3	745	Yes	18.75	25.5	8.9184
892	No	Story3	746	Yes	19.375	25.5	8.949
893	No	Story3	747	Yes	48.375	25.5	8.0306
894	No	Story3	748	Yes	47.75	25.5	8.0612
895	No	Story3	749	Yes	47.125	25.5	8.0918
896	No	Story3	750	Yes	46.5	25.5	8.1224
897	No	Story3	751	Yes	45.875	25.5	8.1531
898	No	Story3	752	Yes	45.25	25.5	8.1837
899	No	Story3	753	Yes	44.625	25.5	8.2143
900	No	Story3	754	Yes	44	25.5	8.2449
901	No	Story3	755	Yes	43.375	25.5	8.2755
902	No	Story3	756	Yes	42.75	25.5	8.3061
903	No	Story3	757	Yes	42.125	25.5	8.3367
904	No	Story3	758	Yes	41.5	25.5	8.3673
905	No	Story3	759	Yes	40.875	25.5	8.398
906	No	Story3	760	Yes	40.25	25.5	8.4286
907	No	Story3	761	Yes	39.625	25.5	8.4592
908	No	Story3	762	Yes	39	25.5	8.4898

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
909	No	Story3	763	Yes	38.375	25.5	8.5204
910	No	Story3	764	Yes	37.75	25.5	8.551
911	No	Story3	765	Yes	37.125	25.5	8.5816
912	No	Story3	766	Yes	36.5	25.5	8.6122
913	No	Story3	767	Yes	35.875	25.5	8.6429
914	No	Story3	768	Yes	35.25	25.5	8.6735
915	No	Story3	769	Yes	34.625	25.5	8.7041
916	No	Story3	770	Yes	34	25.5	8.7347
917	No	Story3	771	Yes	33.375	25.5	8.7653
918	No	Story3	772	Yes	32.75	25.5	8.7959
919	No	Story3	773	Yes	32.125	25.5	8.8265
920	No	Story3	774	Yes	31.5	25.5	8.8571
921	No	Story3	775	Yes	30.875	25.5	8.8878
922	No	Story3	776	Yes	30.25	25.5	8.9184
923	No	Story3	777	Yes	29.625	25.5	8.949
924	No	Story3	778	Yes	-1.3	25.5	8
925	No	Story3	779	Yes	-1.3	25.5	8.689
926	No	Story3	780	Yes	-0.8667	25.5	8
927	No	Story3	781	Yes	-0.4333	25.5	8
928	No	Story3	782	Yes	-1.3	25.5	8.2297
929	No	Story3	783	Yes	-1.3	25.5	8.4593
930	No	Story3	784	Yes	-0.8667	25.5	8.726
931	No	Story3	785	Yes	-0.4333	25.5	8.763
932	No	Story3	786	Yes	50.3	25.5	8
933	No	Story3	787	Yes	50.3	25.5	8.689
934	No	Story3	788	Yes	49.4333	25.5	8
935	No	Story3	789	Yes	49.8667	25.5	8
936	No	Story3	790	Yes	49.8667	25.5	8.726
937	No	Story3	791	Yes	49.4333	25.5	8.763
938	No	Story3	792	Yes	24.5	30.5	10
939	No	Story3	793	Yes	24.5	30.5	9.2
940	No	Story3	794	Yes	0	30.5	8
941	No	Story3	795	Yes	49	30.5	8
942	No	Story3	796	Yes	0	30.5	8.8
943	No	Story3	797	Yes	49	30.5	8.8
944	No	Story3	798	Yes	20	30.5	9.7796
945	No	Story3	799	Yes	29	30.5	9.7796
946	No	Story3	800	Yes	20	30.5	8.9796
947	No	Story3	801	Yes	29	30.5	8.9796
948	No	Story3	802	Yes	21.125	30.5	9.8347
949	No	Story3	803	Yes	22.25	30.5	9.8898
950	No	Story3	804	Yes	23.375	30.5	9.9449
951	No	Story3	805	Yes	27.875	30.5	9.8347
952	No	Story3	806	Yes	26.75	30.5	9.8898
953	No	Story3	807	Yes	25.625	30.5	9.9449
954	No	Story3	808	Yes	20.5625	30.5	9.0071
955	No	Story3	809	Yes	21.125	30.5	9.0347
956	No	Story3	810	Yes	21.6875	30.5	9.0622
957	No	Story3	811	Yes	22.25	30.5	9.0898
958	No	Story3	812	Yes	22.8125	30.5	9.1173
959	No	Story3	813	Yes	23.375	30.5	9.1449
960	No	Story3	814	Yes	23.9375	30.5	9.1724
961	No	Story3	815	Yes	28.4375	30.5	9.0071
962	No	Story3	816	Yes	27.875	30.5	9.0347
963	No	Story3	817	Yes	27.3125	30.5	9.0622
964	No	Story3	818	Yes	26.75	30.5	9.0898
965	No	Story3	819	Yes	26.1875	30.5	9.1173
966	No	Story3	820	Yes	25.625	30.5	9.1449
967	No	Story3	821	Yes	25.0625	30.5	9.1724
968	No	Story3	822	Yes	1.25	30.5	8.8612

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
969	No	Story3	823	Yes	2.5	30.5	8.9224
970	No	Story3	824	Yes	3.75	30.5	8.9837
971	No	Story3	825	Yes	5	30.5	9.0449
972	No	Story3	826	Yes	6.25	30.5	9.1061
973	No	Story3	827	Yes	7.5	30.5	9.1673
974	No	Story3	828	Yes	8.75	30.5	9.2286
975	No	Story3	829	Yes	10	30.5	9.2898
976	No	Story3	830	Yes	11.25	30.5	9.351
977	No	Story3	831	Yes	12.5	30.5	9.4122
978	No	Story3	832	Yes	13.75	30.5	9.4735
979	No	Story3	833	Yes	15	30.5	9.5347
980	No	Story3	834	Yes	16.25	30.5	9.5959
981	No	Story3	835	Yes	17.5	30.5	9.6571
982	No	Story3	836	Yes	18.75	30.5	9.7184
983	No	Story3	837	Yes	47.75	30.5	8.8612
984	No	Story3	838	Yes	46.5	30.5	8.9224
985	No	Story3	839	Yes	45.25	30.5	8.9837
986	No	Story3	840	Yes	44	30.5	9.0449
987	No	Story3	841	Yes	42.75	30.5	9.1061
988	No	Story3	842	Yes	41.5	30.5	9.1673
989	No	Story3	843	Yes	40.25	30.5	9.2286
990	No	Story3	844	Yes	39	30.5	9.2898
991	No	Story3	845	Yes	37.75	30.5	9.351
992	No	Story3	846	Yes	36.5	30.5	9.4122
993	No	Story3	847	Yes	35.25	30.5	9.4735
994	No	Story3	848	Yes	34	30.5	9.5347
995	No	Story3	849	Yes	32.75	30.5	9.5959
996	No	Story3	850	Yes	31.5	30.5	9.6571
997	No	Story3	851	Yes	30.25	30.5	9.7184
998	No	Story3	852	Yes	0.625	30.5	8.0306
999	No	Story3	853	Yes	1.25	30.5	8.0612
1000	No	Story3	854	Yes	1.875	30.5	8.0918
1001	No	Story3	855	Yes	2.5	30.5	8.1224
1002	No	Story3	856	Yes	3.125	30.5	8.1531
1003	No	Story3	857	Yes	3.75	30.5	8.1837
1004	No	Story3	858	Yes	4.375	30.5	8.2143
1005	No	Story3	859	Yes	5	30.5	8.2449
1006	No	Story3	860	Yes	5.625	30.5	8.2755
1007	No	Story3	861	Yes	6.25	30.5	8.3061
1008	No	Story3	862	Yes	6.875	30.5	8.3367
1009	No	Story3	863	Yes	7.5	30.5	8.3673
1010	No	Story3	864	Yes	8.125	30.5	8.398
1011	No	Story3	865	Yes	8.75	30.5	8.4286
1012	No	Story3	866	Yes	9.375	30.5	8.4592
1013	No	Story3	867	Yes	10	30.5	8.4898
1014	No	Story3	868	Yes	10.625	30.5	8.5204
1015	No	Story3	869	Yes	11.25	30.5	8.551
1016	No	Story3	870	Yes	11.875	30.5	8.5816
1017	No	Story3	871	Yes	12.5	30.5	8.6122
1018	No	Story3	872	Yes	13.125	30.5	8.6429
1019	No	Story3	873	Yes	13.75	30.5	8.6735
1020	No	Story3	874	Yes	14.375	30.5	8.7041
1021	No	Story3	875	Yes	15	30.5	8.7347
1022	No	Story3	876	Yes	15.625	30.5	8.7653
1023	No	Story3	877	Yes	16.25	30.5	8.7959
1024	No	Story3	878	Yes	16.875	30.5	8.8265
1025	No	Story3	879	Yes	17.5	30.5	8.8571
1026	No	Story3	880	Yes	18.125	30.5	8.8878
1027	No	Story3	881	Yes	18.75	30.5	8.9184
1028	No	Story3	882	Yes	19.375	30.5	8.949

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
1029	No	Story3	883	Yes	48.375	30.5	8.0306
1030	No	Story3	884	Yes	47.75	30.5	8.0612
1031	No	Story3	885	Yes	47.125	30.5	8.0918
1032	No	Story3	886	Yes	46.5	30.5	8.1224
1033	No	Story3	887	Yes	45.875	30.5	8.1531
1034	No	Story3	888	Yes	45.25	30.5	8.1837
1035	No	Story3	889	Yes	44.625	30.5	8.2143
1036	No	Story3	890	Yes	44	30.5	8.2449
1037	No	Story3	891	Yes	43.375	30.5	8.2755
1038	No	Story3	892	Yes	42.75	30.5	8.3061
1039	No	Story3	893	Yes	42.125	30.5	8.3367
1040	No	Story3	894	Yes	41.5	30.5	8.3673
1041	No	Story3	895	Yes	40.875	30.5	8.398
1042	No	Story3	896	Yes	40.25	30.5	8.4286
1043	No	Story3	897	Yes	39.625	30.5	8.4592
1044	No	Story3	898	Yes	39	30.5	8.4898
1045	No	Story3	899	Yes	38.375	30.5	8.5204
1046	No	Story3	900	Yes	37.75	30.5	8.551
1047	No	Story3	901	Yes	37.125	30.5	8.5816
1048	No	Story3	902	Yes	36.5	30.5	8.6122
1049	No	Story3	903	Yes	35.875	30.5	8.6429
1050	No	Story3	904	Yes	35.25	30.5	8.6735
1051	No	Story3	905	Yes	34.625	30.5	8.7041
1052	No	Story3	906	Yes	34	30.5	8.7347
1053	No	Story3	907	Yes	33.375	30.5	8.7653
1054	No	Story3	908	Yes	32.75	30.5	8.7959
1055	No	Story3	909	Yes	32.125	30.5	8.8265
1056	No	Story3	910	Yes	31.5	30.5	8.8571
1057	No	Story3	911	Yes	30.875	30.5	8.8878
1058	No	Story3	912	Yes	30.25	30.5	8.9184
1059	No	Story3	913	Yes	29.625	30.5	8.949
1060	No	Story3	914	Yes	-1.3	30.5	8
1061	No	Story3	915	Yes	-1.3	30.5	8.689
1062	No	Story3	916	Yes	-0.8667	30.5	8
1063	No	Story3	917	Yes	-0.4333	30.5	8
1064	No	Story3	918	Yes	-1.3	30.5	8.2297
1065	No	Story3	919	Yes	-1.3	30.5	8.4593
1066	No	Story3	920	Yes	-0.8667	30.5	8.726
1067	No	Story3	921	Yes	-0.4333	30.5	8.763
1068	No	Story3	922	Yes	50.3	30.5	8
1069	No	Story3	923	Yes	50.3	30.5	8.689
1070	No	Story3	924	Yes	49.4333	30.5	8
1071	No	Story3	925	Yes	49.8667	30.5	8
1072	No	Story3	926	Yes	49.8667	30.5	8.726
1073	No	Story3	927	Yes	49.4333	30.5	8.763
1076	No	Story3	928	Yes	24.5	35.5	10
1077	No	Story3	929	Yes	24.5	35.5	9.2
1078	No	Story3	930	Yes	0	35.5	8
1079	No	Story3	931	Yes	49	35.5	8
1080	No	Story3	932	Yes	0	35.5	8.8
1081	No	Story3	933	Yes	49	35.5	8.8
1082	No	Story3	934	Yes	20	35.5	9.7796
1083	No	Story3	935	Yes	29	35.5	9.7796
1084	No	Story3	936	Yes	20	35.5	8.9796
1085	No	Story3	937	Yes	29	35.5	8.9796
1086	No	Story3	938	Yes	21.125	35.5	9.8347
1087	No	Story3	939	Yes	22.25	35.5	9.8898
1088	No	Story3	940	Yes	23.375	35.5	9.9449
1089	No	Story3	941	Yes	27.875	35.5	9.8347
1090	No	Story3	942	Yes	26.75	35.5	9.8898

วิศวกรผู้ออกแบบงานโครงสร้าง
นายสมภพ เงาจินตรักษ์ วย.1754

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
1091	No	Story3	943	Yes	25.625	35.5	9.9449
1092	No	Story3	944	Yes	20.5625	35.5	9.0071
1093	No	Story3	945	Yes	21.125	35.5	9.0347
1094	No	Story3	946	Yes	21.6875	35.5	9.0622
1095	No	Story3	947	Yes	22.25	35.5	9.0898
1096	No	Story3	948	Yes	22.8125	35.5	9.1173
1097	No	Story3	949	Yes	23.375	35.5	9.1449
1098	No	Story3	950	Yes	23.9375	35.5	9.1724
1099	No	Story3	951	Yes	28.4375	35.5	9.0071
1100	No	Story3	952	Yes	27.875	35.5	9.0347
1101	No	Story3	953	Yes	27.3125	35.5	9.0622
1102	No	Story3	954	Yes	26.75	35.5	9.0898
1103	No	Story3	955	Yes	26.1875	35.5	9.1173
1104	No	Story3	956	Yes	25.625	35.5	9.1449
1105	No	Story3	957	Yes	25.0625	35.5	9.1724
1106	No	Story3	958	Yes	1.25	35.5	8.8612
1107	No	Story3	959	Yes	2.5	35.5	8.9224
1108	No	Story3	960	Yes	3.75	35.5	8.9837
1109	No	Story3	961	Yes	5	35.5	9.0449
1110	No	Story3	962	Yes	6.25	35.5	9.1061
1111	No	Story3	963	Yes	7.5	35.5	9.1673
1112	No	Story3	964	Yes	8.75	35.5	9.2286
1113	No	Story3	965	Yes	10	35.5	9.2898
1114	No	Story3	966	Yes	11.25	35.5	9.351
1115	No	Story3	967	Yes	12.5	35.5	9.4122
1116	No	Story3	968	Yes	13.75	35.5	9.4735
1117	No	Story3	969	Yes	15	35.5	9.5347
1118	No	Story3	970	Yes	16.25	35.5	9.5959
1119	No	Story3	971	Yes	17.5	35.5	9.6571
1120	No	Story3	972	Yes	18.75	35.5	9.7184
1121	No	Story3	973	Yes	47.75	35.5	8.8612
1122	No	Story3	974	Yes	46.5	35.5	8.9224
1123	No	Story3	975	Yes	45.25	35.5	8.9837
1124	No	Story3	976	Yes	44	35.5	9.0449
1125	No	Story3	977	Yes	42.75	35.5	9.1061
1126	No	Story3	978	Yes	41.5	35.5	9.1673
1127	No	Story3	979	Yes	40.25	35.5	9.2286
1128	No	Story3	980	Yes	39	35.5	9.2898
1129	No	Story3	981	Yes	37.75	35.5	9.351
1130	No	Story3	982	Yes	36.5	35.5	9.4122
1131	No	Story3	983	Yes	35.25	35.5	9.4735
1132	No	Story3	984	Yes	34	35.5	9.5347
1133	No	Story3	985	Yes	32.75	35.5	9.5959
1134	No	Story3	986	Yes	31.5	35.5	9.6571
1135	No	Story3	987	Yes	30.25	35.5	9.7184
1136	No	Story3	988	Yes	0.625	35.5	8.0306
1137	No	Story3	989	Yes	1.25	35.5	8.0612
1138	No	Story3	990	Yes	1.875	35.5	8.0918
1139	No	Story3	991	Yes	2.5	35.5	8.1224
1140	No	Story3	992	Yes	3.125	35.5	8.1531
1141	No	Story3	993	Yes	3.75	35.5	8.1837
1142	No	Story3	994	Yes	4.375	35.5	8.2143
1143	No	Story3	995	Yes	5	35.5	8.2449
1144	No	Story3	996	Yes	5.625	35.5	8.2755
1145	No	Story3	997	Yes	6.25	35.5	8.3061
1146	No	Story3	998	Yes	6.875	35.5	8.3367
1147	No	Story3	999	Yes	7.5	35.5	8.3673
1148	No	Story3	1000	Yes	8.125	35.5	8.398
1149	No	Story3	1001	Yes	8.75	35.5	8.4286
1150	No	Story3	1002	Yes	9.375	35.5	8.4592

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
1151	No	Story3	1003	Yes	10	35.5	8.4898
1152	No	Story3	1004	Yes	10.625	35.5	8.5204
1153	No	Story3	1005	Yes	11.25	35.5	8.551
1154	No	Story3	1006	Yes	11.875	35.5	8.5816
1155	No	Story3	1007	Yes	12.5	35.5	8.6122
1156	No	Story3	1008	Yes	13.125	35.5	8.6429
1157	No	Story3	1009	Yes	13.75	35.5	8.6735
1158	No	Story3	1010	Yes	14.375	35.5	8.7041
1159	No	Story3	1011	Yes	15	35.5	8.7347
1160	No	Story3	1012	Yes	15.625	35.5	8.7653
1161	No	Story3	1013	Yes	16.25	35.5	8.7959
1162	No	Story3	1014	Yes	16.875	35.5	8.8265
1163	No	Story3	1015	Yes	17.5	35.5	8.8571
1164	No	Story3	1016	Yes	18.125	35.5	8.8878
1165	No	Story3	1017	Yes	18.75	35.5	8.9184
1166	No	Story3	1018	Yes	19.375	35.5	8.949
1167	No	Story3	1019	Yes	46.375	35.5	8.0306
1168	No	Story3	1020	Yes	47.75	35.5	8.0612
1169	No	Story3	1021	Yes	47.125	35.5	8.0918
1170	No	Story3	1022	Yes	46.5	35.5	8.1224
1171	No	Story3	1023	Yes	45.875	35.5	8.1531
1172	No	Story3	1024	Yes	45.25	35.5	8.1837
1173	No	Story3	1025	Yes	44.625	35.5	8.2143
1174	No	Story3	1026	Yes	44	35.5	8.2449
1175	No	Story3	1027	Yes	43.375	35.5	8.2755
1176	No	Story3	1028	Yes	42.75	35.5	8.3061
1177	No	Story3	1029	Yes	42.125	35.5	8.3367
1178	No	Story3	1030	Yes	41.5	35.5	8.3673
1179	No	Story3	1031	Yes	40.875	35.5	8.398
1180	No	Story3	1032	Yes	40.25	35.5	8.4286
1181	No	Story3	1033	Yes	39.625	35.5	8.4592
1182	No	Story3	1034	Yes	39	35.5	8.4898
1183	No	Story3	1035	Yes	38.375	35.5	8.5204
1184	No	Story3	1036	Yes	37.75	35.5	8.551
1185	No	Story3	1037	Yes	37.125	35.5	8.5816
1186	No	Story3	1038	Yes	36.5	35.5	8.6122
1187	No	Story3	1039	Yes	35.875	35.5	8.6429
1188	No	Story3	1040	Yes	35.25	35.5	8.6735
1189	No	Story3	1041	Yes	34.625	35.5	8.7041
1190	No	Story3	1042	Yes	34	35.5	8.7347
1191	No	Story3	1043	Yes	33.375	35.5	8.7653
1192	No	Story3	1044	Yes	32.75	35.5	8.7959
1193	No	Story3	1045	Yes	32.125	35.5	8.8265
1194	No	Story3	1046	Yes	31.5	35.5	8.8571
1195	No	Story3	1047	Yes	30.875	35.5	8.8878
1196	No	Story3	1048	Yes	30.25	35.5	8.9184
1197	No	Story3	1049	Yes	29.625	35.5	8.949
1198	No	Story3	1050	Yes	-1.3	35.5	8
1199	No	Story3	1051	Yes	-1.3	35.5	8.689
1200	No	Story3	1052	Yes	-0.8667	35.5	8
1201	No	Story3	1053	Yes	-0.4333	35.5	8
1202	No	Story3	1054	Yes	-1.3	35.5	8.2297
1203	No	Story3	1055	Yes	-1.3	35.5	8.4593
1204	No	Story3	1056	Yes	-0.8667	35.5	8.726
1205	No	Story3	1057	Yes	-0.4333	35.5	8.763
1206	No	Story3	1058	Yes	50.3	35.5	8
1207	No	Story3	1059	Yes	50.3	35.5	8.689
1208	No	Story3	1060	Yes	49.4333	35.5	8
1209	No	Story3	1061	Yes	49.8667	35.5	8
1210	No	Story3	1062	Yes	49.8667	35.5	8.726

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
1211	No	Story3	1063	Yes	49.4333	35.5	8.763
1212	No	Story3	1064	Yes	24.5	40.5	10
1213	No	Story3	1065	Yes	24.5	40.5	9.2
1214	No	Story3	1066	Yes	0	40.5	8
1215	No	Story3	1067	Yes	49	40.5	8
1216	No	Story3	1068	Yes	0	40.5	8.8
1217	No	Story3	1069	Yes	49	40.5	8.8
1218	No	Story3	1070	Yes	20	40.5	9.7796
1219	No	Story3	1071	Yes	29	40.5	9.7796
1220	No	Story3	1072	Yes	20	40.5	8.9796
1221	No	Story3	1073	Yes	29	40.5	8.9796
1222	No	Story3	1074	Yes	21.125	40.5	9.8347
1223	No	Story3	1075	Yes	22.25	40.5	9.8898
1224	No	Story3	1076	Yes	23.375	40.5	9.9449
1225	No	Story3	1077	Yes	27.875	40.5	9.8347
1226	No	Story3	1078	Yes	26.75	40.5	9.8898
1227	No	Story3	1079	Yes	25.625	40.5	9.9449
1228	No	Story3	1080	Yes	20.5625	40.5	9.0071
1229	No	Story3	1081	Yes	21.125	40.5	9.0347
1230	No	Story3	1082	Yes	21.6875	40.5	9.0622
1231	No	Story3	1083	Yes	22.25	40.5	9.0898
1232	No	Story3	1084	Yes	22.8125	40.5	9.1173
1233	No	Story3	1085	Yes	23.375	40.5	9.1449
1234	No	Story3	1086	Yes	23.9375	40.5	9.1724
1235	No	Story3	1087	Yes	28.4375	40.5	9.0071
1236	No	Story3	1088	Yes	27.875	40.5	9.0347
1237	No	Story3	1089	Yes	27.3125	40.5	9.0622
1238	No	Story3	1090	Yes	26.75	40.5	9.0898
1239	No	Story3	1091	Yes	26.1875	40.5	9.1173
1240	No	Story3	1092	Yes	25.625	40.5	9.1449
1241	No	Story3	1093	Yes	25.0625	40.5	9.1724
1242	No	Story3	1094	Yes	1.25	40.5	8.8612
1243	No	Story3	1095	Yes	2.5	40.5	8.9224
1244	No	Story3	1096	Yes	3.75	40.5	8.9837
1245	No	Story3	1097	Yes	5	40.5	9.0449
1246	No	Story3	1098	Yes	6.25	40.5	9.1061
1247	No	Story3	1099	Yes	7.5	40.5	9.1673
1248	No	Story3	1100	Yes	8.75	40.5	9.2286
1249	No	Story3	1101	Yes	10	40.5	9.2898
1250	No	Story3	1102	Yes	11.25	40.5	9.351
1251	No	Story3	1103	Yes	12.5	40.5	9.4122
1252	No	Story3	1104	Yes	13.75	40.5	9.4735
1253	No	Story3	1105	Yes	15	40.5	9.5347
1254	No	Story3	1106	Yes	16.25	40.5	9.5959
1255	No	Story3	1107	Yes	17.5	40.5	9.6571
1256	No	Story3	1108	Yes	18.75	40.5	9.7184
1257	No	Story3	1109	Yes	47.75	40.5	8.8612
1258	No	Story3	1110	Yes	46.5	40.5	8.9224
1259	No	Story3	1111	Yes	45.25	40.5	8.9837
1260	No	Story3	1112	Yes	44	40.5	9.0449
1261	No	Story3	1113	Yes	42.75	40.5	9.1061
1262	No	Story3	1114	Yes	41.5	40.5	9.1873
1263	No	Story3	1115	Yes	40.25	40.5	9.2286
1264	No	Story3	1116	Yes	39	40.5	9.2898
1265	No	Story3	1117	Yes	37.75	40.5	9.351
1266	No	Story3	1118	Yes	36.5	40.5	9.4122
1267	No	Story3	1119	Yes	35.25	40.5	9.4735
1268	No	Story3	1120	Yes	34	40.5	9.5347
1269	No	Story3	1121	Yes	32.75	40.5	9.5959
1270	No	Story3	1122	Yes	31.5	40.5	9.6571

วิศวกรผู้ออกแบบงานโครงสร้าง
นายสมภพ เงาจินตรักษ์ วย.1754

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
1271	No	Story3	1123	Yes	30.25	40.5	9.7184
1272	No	Story3	1124	Yes	0.625	40.5	8.0306
1273	No	Story3	1125	Yes	1.25	40.5	8.0612
1274	No	Story3	1126	Yes	1.875	40.5	8.0918
1275	No	Story3	1127	Yes	2.5	40.5	8.1224
1276	No	Story3	1128	Yes	3.125	40.5	8.1531
1277	No	Story3	1129	Yes	3.75	40.5	8.1837
1278	No	Story3	1130	Yes	4.375	40.5	8.2143
1279	No	Story3	1131	Yes	5	40.5	8.2449
1280	No	Story3	1132	Yes	5.625	40.5	8.2755
1281	No	Story3	1133	Yes	6.25	40.5	8.3061
1282	No	Story3	1134	Yes	6.875	40.5	8.3367
1283	No	Story3	1135	Yes	7.5	40.5	8.3673
1284	No	Story3	1136	Yes	8.125	40.5	8.398
1285	No	Story3	1137	Yes	8.75	40.5	8.4286
1286	No	Story3	1138	Yes	9.375	40.5	8.4592
1287	No	Story3	1139	Yes	10	40.5	8.4898
1288	No	Story3	1140	Yes	10.625	40.5	8.5204
1289	No	Story3	1141	Yes	11.25	40.5	8.551
1290	No	Story3	1142	Yes	11.875	40.5	8.5816
1291	No	Story3	1143	Yes	12.5	40.5	8.6122
1292	No	Story3	1144	Yes	13.125	40.5	8.6429
1293	No	Story3	1145	Yes	13.75	40.5	8.6735
1294	No	Story3	1146	Yes	14.375	40.5	8.7041
1295	No	Story3	1147	Yes	15	40.5	8.7347
1296	No	Story3	1148	Yes	15.625	40.5	8.7653
1297	No	Story3	1149	Yes	16.25	40.5	8.7959
1298	No	Story3	1150	Yes	16.875	40.5	8.8265
1299	No	Story3	1151	Yes	17.5	40.5	8.8571
1300	No	Story3	1152	Yes	18.125	40.5	8.8878
1301	No	Story3	1153	Yes	18.75	40.5	8.9184
1302	No	Story3	1154	Yes	19.375	40.5	8.949
1303	No	Story3	1155	Yes	46.375	40.5	8.0306
1304	No	Story3	1156	Yes	47.75	40.5	8.0612
1305	No	Story3	1157	Yes	47.125	40.5	8.0918
1306	No	Story3	1158	Yes	46.5	40.5	8.1224
1307	No	Story3	1159	Yes	45.875	40.5	8.1531
1308	No	Story3	1160	Yes	45.25	40.5	8.1837
1309	No	Story3	1161	Yes	44.625	40.5	8.2143
1310	No	Story3	1162	Yes	44	40.5	8.2449
1311	No	Story3	1163	Yes	43.375	40.5	8.2755
1312	No	Story3	1164	Yes	42.75	40.5	8.3061
1313	No	Story3	1165	Yes	42.125	40.5	8.3367
1314	No	Story3	1166	Yes	41.5	40.5	8.3673
1315	No	Story3	1167	Yes	40.875	40.5	8.398
1316	No	Story3	1168	Yes	40.25	40.5	8.4286
1317	No	Story3	1169	Yes	39.625	40.5	8.4592
1318	No	Story3	1170	Yes	39	40.5	8.4898
1319	No	Story3	1171	Yes	38.375	40.5	8.5204
1320	No	Story3	1172	Yes	37.75	40.5	8.551
1321	No	Story3	1173	Yes	37.125	40.5	8.5816
1322	No	Story3	1174	Yes	36.5	40.5	8.6122
1323	No	Story3	1175	Yes	35.875	40.5	8.6429
1324	No	Story3	1176	Yes	35.25	40.5	8.6735
1325	No	Story3	1177	Yes	34.625	40.5	8.7041
1326	No	Story3	1178	Yes	34	40.5	8.7347
1327	No	Story3	1179	Yes	33.375	40.5	8.7653
1328	No	Story3	1180	Yes	32.75	40.5	8.7959
1329	No	Story3	1181	Yes	32.125	40.5	8.8265
1330	No	Story3	1182	Yes	31.5	40.5	8.8571

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
1331	No	Story3	1183	Yes	30.875	40.5	8.8878
1332	No	Story3	1184	Yes	30.25	40.5	8.9184
1333	No	Story3	1185	Yes	29.625	40.5	8.949
1334	No	Story3	1186	Yes	-1.3	40.5	8
1335	No	Story3	1187	Yes	-1.3	40.5	8.689
1336	No	Story3	1188	Yes	-0.8667	40.5	8
1337	No	Story3	1189	Yes	-0.4333	40.5	8
1338	No	Story3	1190	Yes	-1.3	40.5	8.2297
1339	No	Story3	1191	Yes	-1.3	40.5	8.4593
1340	No	Story3	1192	Yes	-0.8667	40.5	8.726
1341	No	Story3	1193	Yes	-0.4333	40.5	8.763
1342	No	Story3	1194	Yes	50.3	40.5	8
1343	No	Story3	1195	Yes	50.3	40.5	8.689
1344	No	Story3	1196	Yes	49.4333	40.5	8
1345	No	Story3	1197	Yes	49.8667	40.5	8
1346	No	Story3	1198	Yes	49.8667	40.5	8.726
1347	No	Story3	1199	Yes	49.4333	40.5	8.763
1348	No	Story3	1200	Yes	24.5	45.5	10
1349	No	Story3	1201	Yes	24.5	45.5	9.2
1350	No	Story3	1202	Yes	0	45.5	8
1351	No	Story3	1203	Yes	49	45.5	8
1352	No	Story3	1204	Yes	0	45.5	8.8
1353	No	Story3	1205	Yes	49	45.5	8.8
1354	No	Story3	1206	Yes	20	45.5	9.7796
1355	No	Story3	1207	Yes	29	45.5	9.7796
1356	No	Story3	1208	Yes	20	45.5	8.9796
1357	No	Story3	1209	Yes	29	45.5	8.9796
1358	No	Story3	1210	Yes	21.125	45.5	9.8347
1359	No	Story3	1211	Yes	22.25	45.5	9.8898
1360	No	Story3	1212	Yes	23.375	45.5	9.9449
1361	No	Story3	1213	Yes	27.875	45.5	9.8347
1362	No	Story3	1214	Yes	26.75	45.5	9.8898
1363	No	Story3	1215	Yes	25.625	45.5	9.9449
1364	No	Story3	1216	Yes	20.5625	45.5	9.0071
1365	No	Story3	1217	Yes	21.125	45.5	9.0347
1366	No	Story3	1218	Yes	21.6875	45.5	9.0622
1367	No	Story3	1219	Yes	22.25	45.5	9.0898
1368	No	Story3	1220	Yes	22.8125	45.5	9.1173
1369	No	Story3	1221	Yes	23.375	45.5	9.1449
1370	No	Story3	1222	Yes	23.9375	45.5	9.1724
1371	No	Story3	1223	Yes	28.4375	45.5	9.0071
1372	No	Story3	1224	Yes	27.875	45.5	9.0347
1373	No	Story3	1225	Yes	27.3125	45.5	9.0622
1374	No	Story3	1226	Yes	26.75	45.5	9.0898
1375	No	Story3	1227	Yes	26.1875	45.5	9.1173
1376	No	Story3	1228	Yes	25.625	45.5	9.1449
1377	No	Story3	1229	Yes	25.0625	45.5	9.1724
1378	No	Story3	1230	Yes	1.25	45.5	8.8612
1379	No	Story3	1231	Yes	2.5	45.5	8.9224
1380	No	Story3	1232	Yes	3.75	45.5	8.9837
1381	No	Story3	1233	Yes	5	45.5	9.0449
1382	No	Story3	1234	Yes	6.25	45.5	9.1061
1383	No	Story3	1235	Yes	7.5	45.5	9.1673
1384	No	Story3	1236	Yes	8.75	45.5	9.2286
1385	No	Story3	1237	Yes	10	45.5	9.2898
1386	No	Story3	1238	Yes	11.25	45.5	9.351
1387	No	Story3	1239	Yes	12.5	45.5	9.4122
1388	No	Story3	1240	Yes	13.75	45.5	9.4735
1389	No	Story3	1241	Yes	15	45.5	9.5347
1390	No	Story3	1242	Yes	16.25	45.5	9.5959

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
1391	No	Story3	1243	Yes	17.5	45.5	9.6571
1392	No	Story3	1244	Yes	18.75	45.5	9.7184
1393	No	Story3	1245	Yes	47.75	45.5	8.8612
1394	No	Story3	1246	Yes	46.5	45.5	8.9224
1395	No	Story3	1247	Yes	45.25	45.5	8.9837
1396	No	Story3	1248	Yes	44	45.5	9.0449
1397	No	Story3	1249	Yes	42.75	45.5	9.1061
1398	No	Story3	1250	Yes	41.5	45.5	9.1673
1399	No	Story3	1251	Yes	40.25	45.5	9.2286
1400	No	Story3	1252	Yes	39	45.5	9.2898
1401	No	Story3	1253	Yes	37.75	45.5	9.351
1402	No	Story3	1254	Yes	36.5	45.5	9.4122
1403	No	Story3	1255	Yes	35.25	45.5	9.4735
1404	No	Story3	1256	Yes	34	45.5	9.5347
1405	No	Story3	1257	Yes	32.75	45.5	9.5959
1406	No	Story3	1258	Yes	31.5	45.5	9.6571
1407	No	Story3	1259	Yes	30.25	45.5	9.7184
1408	No	Story3	1260	Yes	0.625	45.5	8.0306
1409	No	Story3	1261	Yes	1.25	45.5	8.0612
1410	No	Story3	1262	Yes	1.875	45.5	8.0918
1411	No	Story3	1263	Yes	2.5	45.5	8.1224
1412	No	Story3	1264	Yes	3.125	45.5	8.1531
1413	No	Story3	1265	Yes	3.75	45.5	8.1837
1414	No	Story3	1266	Yes	4.375	45.5	8.2143
1415	No	Story3	1267	Yes	5	45.5	8.2449
1416	No	Story3	1268	Yes	5.625	45.5	8.2755
1417	No	Story3	1269	Yes	6.25	45.5	8.3061
1418	No	Story3	1270	Yes	6.875	45.5	8.3367
1419	No	Story3	1271	Yes	7.5	45.5	8.3673
1420	No	Story3	1272	Yes	8.125	45.5	8.398
1421	No	Story3	1273	Yes	8.75	45.5	8.4286
1422	No	Story3	1274	Yes	9.375	45.5	8.4592
1423	No	Story3	1275	Yes	10	45.5	8.4898
1424	No	Story3	1276	Yes	10.625	45.5	8.5204
1425	No	Story3	1277	Yes	11.25	45.5	8.551
1426	No	Story3	1278	Yes	11.875	45.5	8.5816
1427	No	Story3	1279	Yes	12.5	45.5	8.6122
1428	No	Story3	1280	Yes	13.125	45.5	8.6429
1429	No	Story3	1281	Yes	13.75	45.5	8.6735
1430	No	Story3	1282	Yes	14.375	45.5	8.7041
1431	No	Story3	1283	Yes	15	45.5	8.7347
1432	No	Story3	1284	Yes	15.625	45.5	8.7653
1433	No	Story3	1285	Yes	16.25	45.5	8.7959
1434	No	Story3	1286	Yes	16.875	45.5	8.8265
1435	No	Story3	1287	Yes	17.5	45.5	8.8571
1436	No	Story3	1288	Yes	18.125	45.5	8.8878
1437	No	Story3	1289	Yes	18.75	45.5	8.9184
1438	No	Story3	1290	Yes	19.375	45.5	8.949
1439	No	Story3	1291	Yes	48.375	45.5	8.0306
1440	No	Story3	1292	Yes	47.75	45.5	8.0612
1441	No	Story3	1293	Yes	47.125	45.5	8.0918
1442	No	Story3	1294	Yes	46.5	45.5	8.1224
1443	No	Story3	1295	Yes	45.875	45.5	8.1531
1444	No	Story3	1296	Yes	45.25	45.5	8.1837
1445	No	Story3	1297	Yes	44.625	45.5	8.2143
1446	No	Story3	1298	Yes	44	45.5	8.2449
1447	No	Story3	1299	Yes	43.375	45.5	8.2755
1448	No	Story3	1300	Yes	42.75	45.5	8.3061
1449	No	Story3	1301	Yes	42.125	45.5	8.3367
1450	No	Story3	1302	Yes	41.5	45.5	8.3673

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
1451	No	Story3	1303	Yes	40.875	45.5	8.398
1452	No	Story3	1304	Yes	40.25	45.5	8.4286
1453	No	Story3	1305	Yes	39.625	45.5	8.4592
1454	No	Story3	1306	Yes	39	45.5	8.4898
1455	No	Story3	1307	Yes	38.375	45.5	8.5204
1456	No	Story3	1308	Yes	37.75	45.5	8.551
1457	No	Story3	1309	Yes	37.125	45.5	8.5816
1458	No	Story3	1310	Yes	36.5	45.5	8.6122
1459	No	Story3	1311	Yes	35.875	45.5	8.6429
1460	No	Story3	1312	Yes	35.25	45.5	8.6735
1461	No	Story3	1313	Yes	34.625	45.5	8.7041
1462	No	Story3	1314	Yes	34	45.5	8.7347
1463	No	Story3	1315	Yes	33.375	45.5	8.7653
1464	No	Story3	1316	Yes	32.75	45.5	8.7959
1465	No	Story3	1317	Yes	32.125	45.5	8.8265
1466	No	Story3	1318	Yes	31.5	45.5	8.8571
1467	No	Story3	1319	Yes	30.875	45.5	8.8878
1468	No	Story3	1320	Yes	30.25	45.5	8.9184
1469	No	Story3	1321	Yes	29.625	45.5	8.949
1470	No	Story3	1322	Yes	-1.3	45.5	8
1471	No	Story3	1323	Yes	-1.3	45.5	8.689
1472	No	Story3	1324	Yes	-0.8667	45.5	8
1473	No	Story3	1325	Yes	-0.4333	45.5	8
1474	No	Story3	1326	Yes	-1.3	45.5	8.2297
1475	No	Story3	1327	Yes	-1.3	45.5	8.4593
1476	No	Story3	1328	Yes	-0.8667	45.5	8.726
1477	No	Story3	1329	Yes	-0.4333	45.5	8.763
1478	No	Story3	1330	Yes	50.3	45.5	8
1479	No	Story3	1331	Yes	50.3	45.5	8.689
1480	No	Story3	1332	Yes	49.4333	45.5	8
1481	No	Story3	1333	Yes	49.8667	45.5	8
1482	No	Story3	1334	Yes	49.8667	45.5	8.726
1483	No	Story3	1335	Yes	49.4333	45.5	8.763
379	No	Story3	233	No	0	6.75	8.8
1484	No	Story3	1336	No	0	8	8.8
1485	No	Story3	1337	No	0	9.25	8.8
1486	No	Story3	1338	No	0	6.125	8
1487	No	Story3	1339	No	0	6.75	8
1488	No	Story3	1340	No	0	7.375	8
1489	No	Story3	1341	No	0	8	8
1490	No	Story3	1342	No	0	8.625	8
1491	No	Story3	1343	No	0	9.25	8
1492	No	Story3	1344	No	0	9.875	8
1493	No	Story3	1345	Yes	0	11.75	8.8
1494	No	Story3	1346	Yes	0	13	8.8
1495	No	Story3	1347	Yes	0	14.25	8.8
1496	No	Story3	1348	Yes	0	11.125	8
1497	No	Story3	1349	Yes	0	11.75	8
1498	No	Story3	1350	Yes	0	12.375	8
1499	No	Story3	1351	Yes	0	13	8
1500	No	Story3	1352	Yes	0	13.625	8
1501	No	Story3	1353	Yes	0	14.25	8
1502	No	Story3	1354	Yes	0	14.875	8
1503	No	Story3	1355	Yes	0	16.75	8.8
1504	No	Story3	1356	Yes	0	18	8.8
1505	No	Story3	1357	Yes	0	19.25	8.8
1506	No	Story3	1358	Yes	0	16.125	8
1507	No	Story3	1359	Yes	0	16.75	8
1508	No	Story3	1360	Yes	0	17.375	8
1509	No	Story3	1361	Yes	0	18	8

วิศวกรผู้ออกแบบงานโครงสร้าง
นายสมภพ เงาจินตรักษ์ วย.1754

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
1510	No	Story3	1362	Yes	0	18.625	8
1511	No	Story3	1363	Yes	0	19.25	8
1512	No	Story3	1364	Yes	0	19.875	8
1513	No	Story3	1365	Yes	0	21.75	8.8
1514	No	Story3	1366	Yes	0	23	8.8
1515	No	Story3	1367	Yes	0	24.25	8.8
1516	No	Story3	1368	Yes	0	21.125	8
1517	No	Story3	1369	Yes	0	21.75	8
1518	No	Story3	1370	Yes	0	22.375	8
1519	No	Story3	1371	Yes	0	23	8
1520	No	Story3	1372	Yes	0	23.625	8
1521	No	Story3	1373	Yes	0	24.25	8
1522	No	Story3	1374	Yes	0	24.875	8
1523	No	Story3	1375	Yes	0	26.75	8.8
1524	No	Story3	1376	Yes	0	28	8.8
1525	No	Story3	1377	Yes	0	29.25	8.8
1526	No	Story3	1378	Yes	0	26.125	8
1527	No	Story3	1379	Yes	0	26.75	8
1528	No	Story3	1380	Yes	0	27.375	8
1529	No	Story3	1381	Yes	0	28	8
1530	No	Story3	1382	Yes	0	28.625	8
1531	No	Story3	1383	Yes	0	29.25	8
1532	No	Story3	1384	Yes	0	29.875	8
1533	No	Story3	1385	Yes	0	31.75	8.8
1534	No	Story3	1386	Yes	0	33	8.8
1535	No	Story3	1387	Yes	0	34.25	8.8
1536	No	Story3	1388	Yes	0	31.125	8
1537	No	Story3	1389	Yes	0	31.75	8
1538	No	Story3	1390	Yes	0	32.375	8
1539	No	Story3	1391	Yes	0	33	8
1540	No	Story3	1392	Yes	0	33.625	8
1541	No	Story3	1393	Yes	0	34.25	8
1542	No	Story3	1394	Yes	0	34.875	8
1543	No	Story3	1395	Yes	0	36.75	8.8
1544	No	Story3	1396	Yes	0	38	8.8
1545	No	Story3	1397	Yes	0	39.25	8.8
1546	No	Story3	1398	Yes	0	36.125	8
1547	No	Story3	1399	Yes	0	36.75	8
1548	No	Story3	1400	Yes	0	37.375	8
1549	No	Story3	1401	Yes	0	38	8
1550	No	Story3	1402	Yes	0	38.625	8
1551	No	Story3	1403	Yes	0	39.25	8
1552	No	Story3	1404	Yes	0	39.875	8
1553	No	Story3	1405	Yes	0	41.75	8.8
1554	No	Story3	1406	Yes	0	43	8.8
1555	No	Story3	1407	Yes	0	44.25	8.8
1556	No	Story3	1408	Yes	0	41.125	8
1557	No	Story3	1409	Yes	0	41.75	8
1558	No	Story3	1410	Yes	0	42.375	8
1559	No	Story3	1411	Yes	0	43	8
1560	No	Story3	1412	Yes	0	43.625	8
1561	No	Story3	1413	Yes	0	44.25	8
1562	No	Story3	1414	Yes	0	44.875	8
1563	No	Story3	1415	Yes	49	6.75	8.8
1564	No	Story3	1416	Yes	49	8	8.8
1565	No	Story3	1417	Yes	49	9.25	8.8
1566	No	Story3	1418	Yes	49	6.125	8
1567	No	Story3	1419	Yes	49	6.75	8
1568	No	Story3	1420	Yes	49	7.375	8
1569	No	Story3	1421	Yes	49	8	8

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
1570	No	Story3	1422	Yes	49	8.625	8
1571	No	Story3	1423	Yes	49	9.25	8
1572	No	Story3	1424	Yes	49	9.875	8
1573	No	Story3	1425	Yes	49	11.75	8.8
1574	No	Story3	1426	Yes	49	13	8.8
1575	No	Story3	1427	Yes	49	14.25	8.8
1576	No	Story3	1428	Yes	49	11.125	8
1577	No	Story3	1429	Yes	49	11.75	8
1578	No	Story3	1430	Yes	49	12.375	8
1579	No	Story3	1431	Yes	49	13	8
1580	No	Story3	1432	Yes	49	13.625	8
1581	No	Story3	1433	Yes	49	14.25	8
1582	No	Story3	1434	Yes	49	14.875	8
1583	No	Story3	1435	Yes	49	16.75	8.8
1584	No	Story3	1436	Yes	49	18	8.8
1585	No	Story3	1437	Yes	49	19.25	8.8
1586	No	Story3	1438	Yes	49	16.125	8
1587	No	Story3	1439	Yes	49	16.75	8
1588	No	Story3	1440	Yes	49	17.375	8
1589	No	Story3	1441	Yes	49	18	8
1590	No	Story3	1442	Yes	49	18.625	8
1591	No	Story3	1443	Yes	49	19.25	8
1592	No	Story3	1444	Yes	49	19.875	8
1593	No	Story3	1445	Yes	49	21.75	8.8
1594	No	Story3	1446	Yes	49	23	8.8
1595	No	Story3	1447	Yes	49	24.25	8.8
1596	No	Story3	1448	Yes	49	21.125	8
1597	No	Story3	1449	Yes	49	21.75	8
1598	No	Story3	1450	Yes	49	22.375	8
1599	No	Story3	1451	Yes	49	23	8
1600	No	Story3	1452	Yes	49	23.625	8
1601	No	Story3	1453	Yes	49	24.25	8
1602	No	Story3	1454	Yes	49	24.875	8
1603	No	Story3	1455	Yes	49	26.75	8.8
1604	No	Story3	1456	Yes	49	28	8.8
1605	No	Story3	1457	Yes	49	29.25	8.8
1606	No	Story3	1458	Yes	49	26.125	8
1607	No	Story3	1459	Yes	49	26.75	8
1608	No	Story3	1460	Yes	49	27.375	8
1609	No	Story3	1461	Yes	49	28	8
1610	No	Story3	1462	Yes	49	28.625	8
1611	No	Story3	1463	Yes	49	29.25	8
1612	No	Story3	1464	Yes	49	29.875	8
1613	No	Story3	1465	Yes	49	31.75	8.8
1614	No	Story3	1466	Yes	49	33	8.8
1615	No	Story3	1467	Yes	49	34.25	8.8
1616	No	Story3	1468	Yes	49	31.125	8
1617	No	Story3	1469	Yes	49	31.75	8
1618	No	Story3	1470	Yes	49	32.375	8
1619	No	Story3	1471	Yes	49	33	8
1620	No	Story3	1472	Yes	49	33.625	8
1621	No	Story3	1473	Yes	49	34.25	8
1622	No	Story3	1474	Yes	49	34.875	8
1623	No	Story3	1475	Yes	49	36.75	8.8
1624	No	Story3	1476	Yes	49	38	8.8
1625	No	Story3	1477	Yes	49	39.25	8.8
1626	No	Story3	1478	Yes	49	36.125	8
1627	No	Story3	1479	Yes	49	36.75	8
1628	No	Story3	1480	Yes	49	37.375	8
1629	No	Story3	1481	Yes	49	38	8

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
1630	No	Story3	1482	Yes	49	38.625	8
1631	No	Story3	1483	Yes	49	39.25	8
1632	No	Story3	1484	Yes	49	39.875	8
1633	No	Story3	1485	Yes	49	41.75	8.8
1634	No	Story3	1486	Yes	49	43	8.8
1635	No	Story3	1487	Yes	49	44.25	8.8
1636	No	Story3	1488	Yes	49	41.125	8
1637	No	Story3	1489	Yes	49	41.75	8
1638	No	Story3	1490	Yes	49	42.375	8
1639	No	Story3	1491	Yes	49	43	8
1640	No	Story3	1492	Yes	49	43.625	8
1641	No	Story3	1493	Yes	49	44.25	8
1642	No	Story3	1494	Yes	49	44.875	8
1643	No	Story3	1495	No	10	6.125	8.4898
1644	No	Story3	1496	No	10	6.75	8.4898
1645	No	Story3	1497	No	10	7.375	8.4898
1646	No	Story3	1498	No	10	8	8.4898
1647	No	Story3	1499	No	10	8.625	8.4898
1648	No	Story3	1500	No	10	9.25	8.4898
1649	No	Story3	1501	No	10	9.875	8.4898
1650	No	Story3	1502	No	10	6.75	9.2898
1651	No	Story3	1503	No	10	8	9.2898
1652	No	Story3	1504	No	10	9.25	9.2898
1653	No	Story3	1505	Yes	10	11.125	8.4898
1654	No	Story3	1506	Yes	10	11.75	8.4898
1655	No	Story3	1507	Yes	10	12.375	8.4898
1656	No	Story3	1508	Yes	10	13	8.4898
1657	No	Story3	1509	Yes	10	13.625	8.4898
1658	No	Story3	1510	Yes	10	14.25	8.4898
1659	No	Story3	1511	Yes	10	14.875	8.4898
1660	No	Story3	1512	Yes	10	11.75	9.2898
1661	No	Story3	1513	Yes	10	13	9.2898
1662	No	Story3	1514	Yes	10	14.25	9.2898
1663	No	Story3	1515	Yes	10	16.125	8.4898
1664	No	Story3	1516	Yes	10	16.75	8.4898
1665	No	Story3	1517	Yes	10	17.375	8.4898
1666	No	Story3	1518	Yes	10	18	8.4898
1667	No	Story3	1519	Yes	10	18.625	8.4898
1668	No	Story3	1520	Yes	10	19.25	8.4898
1669	No	Story3	1521	Yes	10	19.875	8.4898
1670	No	Story3	1522	Yes	10	16.75	9.2898
1671	No	Story3	1523	Yes	10	18	9.2898
1672	No	Story3	1524	Yes	10	19.25	9.2898
1673	No	Story3	1525	Yes	10	21.125	8.4898
1674	No	Story3	1526	Yes	10	21.75	8.4898
1675	No	Story3	1527	Yes	10	22.375	8.4898
1676	No	Story3	1528	Yes	10	23	8.4898
1677	No	Story3	1529	Yes	10	23.625	8.4898
1678	No	Story3	1530	Yes	10	24.25	8.4898
1679	No	Story3	1531	Yes	10	24.875	8.4898
1680	No	Story3	1532	Yes	10	21.75	9.2898
1681	No	Story3	1533	Yes	10	23	9.2898
1682	No	Story3	1534	Yes	10	24.25	9.2898
1683	No	Story3	1535	Yes	10	26.125	8.4898
1684	No	Story3	1536	Yes	10	26.75	8.4898
1685	No	Story3	1537	Yes	10	27.375	8.4898
1686	No	Story3	1538	Yes	10	28	8.4898
1687	No	Story3	1539	Yes	10	28.625	8.4898
1688	No	Story3	1540	Yes	10	29.25	8.4898
1689	No	Story3	1541	Yes	10	29.875	8.4898

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
1690	No	Story3	1542	Yes	10	26.75	9.2898
1691	No	Story3	1543	Yes	10	28	9.2898
1692	No	Story3	1544	Yes	10	29.25	9.2898
1693	No	Story3	1545	Yes	10	31.125	8.4898
1694	No	Story3	1546	Yes	10	31.75	8.4898
1695	No	Story3	1547	Yes	10	32.375	8.4898
1696	No	Story3	1548	Yes	10	33	8.4898
1697	No	Story3	1549	Yes	10	33.625	8.4898
1698	No	Story3	1550	Yes	10	34.25	8.4898
1699	No	Story3	1551	Yes	10	34.875	8.4898
1700	No	Story3	1552	Yes	10	31.75	9.2898
1701	No	Story3	1553	Yes	10	33	9.2898
1702	No	Story3	1554	Yes	10	34.25	9.2898
1703	No	Story3	1555	Yes	10	36.125	8.4898
1704	No	Story3	1556	Yes	10	36.75	8.4898
1705	No	Story3	1557	Yes	10	37.375	8.4898
1706	No	Story3	1558	Yes	10	38	8.4898
1707	No	Story3	1559	Yes	10	38.625	8.4898
1708	No	Story3	1560	Yes	10	39.25	8.4898
1709	No	Story3	1561	Yes	10	39.875	8.4898
1710	No	Story3	1562	Yes	10	36.75	9.2898
1711	No	Story3	1563	Yes	10	38	9.2898
1712	No	Story3	1564	Yes	10	39.25	9.2898
1713	No	Story3	1565	Yes	10	41.125	8.4898
1714	No	Story3	1566	Yes	10	41.75	8.4898
1715	No	Story3	1567	Yes	10	42.375	8.4898
1716	No	Story3	1568	Yes	10	43	8.4898
1717	No	Story3	1569	Yes	10	43.625	8.4898
1718	No	Story3	1570	Yes	10	44.25	8.4898
1719	No	Story3	1571	Yes	10	44.875	8.4898
1720	No	Story3	1572	Yes	10	41.75	9.2898
1721	No	Story3	1573	Yes	10	43	9.2898
1722	No	Story3	1574	Yes	10	44.25	9.2898
1723	No	Story3	1575	Yes	39	6.125	8.4898
1724	No	Story3	1576	Yes	39	6.75	8.4898
1725	No	Story3	1577	Yes	39	7.375	8.4898
1726	No	Story3	1578	Yes	39	8	8.4898
1727	No	Story3	1579	Yes	39	8.625	8.4898
1728	No	Story3	1580	Yes	39	9.25	8.4898
1729	No	Story3	1581	Yes	39	9.875	8.4898
1730	No	Story3	1582	Yes	39	6.75	9.2898
1731	No	Story3	1583	Yes	39	8	9.2898
1732	No	Story3	1584	Yes	39	9.25	9.2898
1733	No	Story3	1585	Yes	39	11.125	8.4898
1734	No	Story3	1586	Yes	39	11.75	8.4898
1735	No	Story3	1587	Yes	39	12.375	8.4898
1736	No	Story3	1588	Yes	39	13	8.4898
1737	No	Story3	1589	Yes	39	13.625	8.4898
1738	No	Story3	1590	Yes	39	14.25	8.4898
1739	No	Story3	1591	Yes	39	14.875	8.4898
1740	No	Story3	1592	Yes	39	11.75	9.2898
1741	No	Story3	1593	Yes	39	13	9.2898
1742	No	Story3	1594	Yes	39	14.25	9.2898
1743	No	Story3	1595	Yes	39	16.125	8.4898
1744	No	Story3	1596	Yes	39	16.75	8.4898
1745	No	Story3	1597	Yes	39	17.375	8.4898
1746	No	Story3	1598	Yes	39	18	8.4898
1747	No	Story3	1599	Yes	39	18.625	8.4898
1748	No	Story3	1600	Yes	39	19.25	8.4898
1749	No	Story3	1601	Yes	39	19.875	8.4898

วิศวกรผู้ออกแบบงานโครงสร้าง
นายสมภพ เงาจินตรักษ์ วย.1754

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
1750	No	Story3	1602	Yes	39	16.75	9.2898
1751	No	Story3	1603	Yes	39	18	9.2898
1752	No	Story3	1604	Yes	39	19.25	9.2898
1753	No	Story3	1605	Yes	39	21.125	8.4898
1754	No	Story3	1606	Yes	39	21.75	8.4898
1755	No	Story3	1607	Yes	39	22.375	8.4898
1756	No	Story3	1608	Yes	39	23	8.4898
1757	No	Story3	1609	Yes	39	23.625	8.4898
1758	No	Story3	1610	Yes	39	24.25	8.4898
1759	No	Story3	1611	Yes	39	24.875	8.4898
1760	No	Story3	1612	Yes	39	21.75	9.2898
1761	No	Story3	1613	Yes	39	23	9.2898
1762	No	Story3	1614	Yes	39	24.25	9.2898
1763	No	Story3	1615	Yes	39	26.125	8.4898
1764	No	Story3	1616	Yes	39	26.75	8.4898
1765	No	Story3	1617	Yes	39	27.375	8.4898
1766	No	Story3	1618	Yes	39	28	8.4898
1767	No	Story3	1619	Yes	39	28.625	8.4898
1768	No	Story3	1620	Yes	39	29.25	8.4898
1769	No	Story3	1621	Yes	39	29.875	8.4898
1770	No	Story3	1622	Yes	39	26.75	9.2898
1771	No	Story3	1623	Yes	39	28	9.2898
1772	No	Story3	1624	Yes	39	29.25	9.2898
1773	No	Story3	1625	Yes	39	31.125	8.4898
1774	No	Story3	1626	Yes	39	31.75	8.4898
1775	No	Story3	1627	Yes	39	32.375	8.4898
1776	No	Story3	1628	Yes	39	33	8.4898
1777	No	Story3	1629	Yes	39	33.625	8.4898
1778	No	Story3	1630	Yes	39	34.25	8.4898
1779	No	Story3	1631	Yes	39	34.875	8.4898
1780	No	Story3	1632	Yes	39	31.75	9.2898
1781	No	Story3	1633	Yes	39	33	9.2898
1782	No	Story3	1634	Yes	39	34.25	9.2898
1783	No	Story3	1635	Yes	39	36.125	8.4898
1784	No	Story3	1636	Yes	39	36.75	8.4898
1785	No	Story3	1637	Yes	39	37.375	8.4898
1786	No	Story3	1638	Yes	39	38	8.4898
1787	No	Story3	1639	Yes	39	38.625	8.4898
1788	No	Story3	1640	Yes	39	39.25	8.4898
1789	No	Story3	1641	Yes	39	39.875	8.4898
1790	No	Story3	1642	Yes	39	36.75	9.2898
1791	No	Story3	1643	Yes	39	38	9.2898
1792	No	Story3	1644	Yes	39	39.25	9.2898
1793	No	Story3	1645	Yes	39	41.125	8.4898
1794	No	Story3	1646	Yes	39	41.75	8.4898
1795	No	Story3	1647	Yes	39	42.375	8.4898
1796	No	Story3	1648	Yes	39	43	8.4898
1797	No	Story3	1649	Yes	39	43.625	8.4898
1798	No	Story3	1650	Yes	39	44.25	8.4898
1799	No	Story3	1651	Yes	39	44.875	8.4898
1800	No	Story3	1652	Yes	39	41.75	9.2898
1801	No	Story3	1653	Yes	39	43	9.2898
1802	No	Story3	1654	Yes	39	44.25	9.2898
1805	No	Story3	1655	No	20	6.75	9.7796
1806	No	Story3	1656	No	20	8	9.7796
1807	No	Story3	1657	No	20	9.25	9.7796
1808	No	Story3	1658	No	20	6.125	8.9796
1809	No	Story3	1659	No	20	6.75	8.9796
1810	No	Story3	1660	No	20	7.375	8.9796
1811	No	Story3	1661	No	20	8	8.9796

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
1812	No	Story3	1662	No	20	8.625	8.9796
1813	No	Story3	1663	No	20	9.25	8.9796
1814	No	Story3	1664	No	20	9.875	8.9796
1816	No	Story3	1666	Yes	20	11.75	9.7796
1817	No	Story3	1667	Yes	20	13	9.7796
1818	No	Story3	1668	Yes	20	14.25	9.7796
1819	No	Story3	1669	Yes	20	11.125	8.9796
1820	No	Story3	1670	Yes	20	11.75	8.9796
1821	No	Story3	1671	Yes	20	12.375	8.9796
1822	No	Story3	1672	Yes	20	13	8.9796
1823	No	Story3	1673	Yes	20	13.625	8.9796
1824	No	Story3	1674	Yes	20	14.25	8.9796
1825	No	Story3	1675	Yes	20	14.875	8.9796
1826	No	Story3	1676	Yes	20	16.75	9.7796
1827	No	Story3	1677	Yes	20	18	9.7796
1828	No	Story3	1678	Yes	20	19.25	9.7796
1829	No	Story3	1679	Yes	20	16.125	8.9796
1830	No	Story3	1680	Yes	20	16.75	8.9796
1831	No	Story3	1681	Yes	20	17.375	8.9796
1832	No	Story3	1682	Yes	20	18	8.9796
1833	No	Story3	1683	Yes	20	18.625	8.9796
1834	No	Story3	1684	Yes	20	19.25	8.9796
1835	No	Story3	1685	Yes	20	19.875	8.9796
1836	No	Story3	1686	Yes	20	21.75	9.7796
1837	No	Story3	1687	Yes	20	23	9.7796
1838	No	Story3	1688	Yes	20	24.25	9.7796
1839	No	Story3	1689	Yes	20	21.125	8.9796
1840	No	Story3	1690	Yes	20	21.75	8.9796
1841	No	Story3	1691	Yes	20	22.375	8.9796
1842	No	Story3	1692	Yes	20	23	8.9796
1843	No	Story3	1693	Yes	20	23.625	8.9796
1844	No	Story3	1694	Yes	20	24.25	8.9796
1845	No	Story3	1695	Yes	20	24.875	8.9796
1846	No	Story3	1696	Yes	20	26.75	9.7796
1847	No	Story3	1697	Yes	20	28	9.7796
1848	No	Story3	1698	Yes	20	29.25	9.7796
1849	No	Story3	1699	Yes	20	26.125	8.9796
1850	No	Story3	1700	Yes	20	26.75	8.9796
1851	No	Story3	1701	Yes	20	27.375	8.9796
1852	No	Story3	1702	Yes	20	28	8.9796
1853	No	Story3	1703	Yes	20	28.625	8.9796
1854	No	Story3	1704	Yes	20	29.25	8.9796
1855	No	Story3	1705	Yes	20	29.875	8.9796
1856	No	Story3	1706	Yes	20	31.75	9.7796
1857	No	Story3	1707	Yes	20	33	9.7796
1858	No	Story3	1708	Yes	20	34.25	9.7796
1859	No	Story3	1709	Yes	20	31.125	8.9796
1860	No	Story3	1710	Yes	20	31.75	8.9796
1861	No	Story3	1711	Yes	20	32.375	8.9796
1862	No	Story3	1712	Yes	20	33	8.9796
1863	No	Story3	1713	Yes	20	33.625	8.9796
1864	No	Story3	1714	Yes	20	34.25	8.9796
1865	No	Story3	1715	Yes	20	34.875	8.9796
1866	No	Story3	1716	Yes	20	36.75	9.7796
1867	No	Story3	1717	Yes	20	38	9.7796
1868	No	Story3	1718	Yes	20	39.25	9.7796
1869	No	Story3	1719	Yes	20	36.125	8.9796
1870	No	Story3	1720	Yes	20	36.75	8.9796
1871	No	Story3	1721	Yes	20	37.375	8.9796
1872	No	Story3	1722	Yes	20	38	8.9796

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
1873	No	Story3	1723	Yes	20	38.625	8.9796
1874	No	Story3	1724	Yes	20	39.25	8.9796
1875	No	Story3	1725	Yes	20	39.875	8.9796
1876	No	Story3	1726	Yes	20	41.75	9.7796
1877	No	Story3	1727	Yes	20	43	9.7796
1878	No	Story3	1728	Yes	20	44.25	9.7796
1879	No	Story3	1729	Yes	20	41.125	8.9796
1880	No	Story3	1730	Yes	20	41.75	8.9796
1881	No	Story3	1731	Yes	20	42.375	8.9796
1882	No	Story3	1732	Yes	20	43	8.9796
1883	No	Story3	1733	Yes	20	43.625	8.9796
1884	No	Story3	1734	Yes	20	44.25	8.9796
1885	No	Story3	1735	Yes	20	44.875	8.9796
1900	No	Story3	1750	Yes	29	6.75	9.7796
1901	No	Story3	1751	Yes	29	8	9.7796
1902	No	Story3	1752	Yes	29	9.25	9.7796
1903	No	Story3	1753	Yes	29	6.125	8.9796
1904	No	Story3	1754	Yes	29	6.75	8.9796
1905	No	Story3	1755	Yes	29	7.375	8.9796
1906	No	Story3	1756	Yes	29	8	8.9796
1907	No	Story3	1757	Yes	29	8.625	8.9796
1908	No	Story3	1758	Yes	29	9.25	8.9796
1909	No	Story3	1759	Yes	29	9.875	8.9796
1910	No	Story3	1760	Yes	29	11.75	9.7796
1911	No	Story3	1761	Yes	29	13	9.7796
1912	No	Story3	1762	Yes	29	14.25	9.7796
1913	No	Story3	1763	Yes	29	11.125	8.9796
1914	No	Story3	1764	Yes	29	11.75	8.9796
1915	No	Story3	1765	Yes	29	12.375	8.9796
1916	No	Story3	1766	Yes	29	13	8.9796
1917	No	Story3	1767	Yes	29	13.625	8.9796
1918	No	Story3	1768	Yes	29	14.25	8.9796
1919	No	Story3	1769	Yes	29	14.875	8.9796
1920	No	Story3	1770	Yes	29	16.75	9.7796
1921	No	Story3	1771	Yes	29	18	9.7796
1922	No	Story3	1772	Yes	29	19.25	9.7796
1923	No	Story3	1773	Yes	29	16.125	8.9796
1924	No	Story3	1774	Yes	29	16.75	8.9796
1925	No	Story3	1775	Yes	29	17.375	8.9796
1926	No	Story3	1776	Yes	29	18	8.9796
1927	No	Story3	1777	Yes	29	18.625	8.9796
1928	No	Story3	1778	Yes	29	19.25	8.9796
1929	No	Story3	1779	Yes	29	19.875	8.9796
1930	No	Story3	1780	Yes	29	21.75	9.7796
1931	No	Story3	1781	Yes	29	23	9.7796
1932	No	Story3	1782	Yes	29	24.25	9.7796
1933	No	Story3	1783	Yes	29	21.125	8.9796
1934	No	Story3	1784	Yes	29	21.75	8.9796
1935	No	Story3	1785	Yes	29	22.375	8.9796
1936	No	Story3	1786	Yes	29	23	8.9796
1937	No	Story3	1787	Yes	29	23.625	8.9796
1938	No	Story3	1788	Yes	29	24.25	8.9796
1939	No	Story3	1789	Yes	29	24.875	8.9796
1940	No	Story3	1790	Yes	29	26.75	9.7796
1941	No	Story3	1791	Yes	29	28	9.7796
1942	No	Story3	1792	Yes	29	29.25	9.7796
1943	No	Story3	1793	Yes	29	26.125	8.9796
1944	No	Story3	1794	Yes	29	26.75	8.9796
1945	No	Story3	1795	Yes	29	27.375	8.9796
1946	No	Story3	1796	Yes	29	28	8.9796

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
1947	No	Story3	1797	Yes	29	28.625	8.9796
1948	No	Story3	1798	Yes	29	29.25	8.9796
1949	No	Story3	1799	Yes	29	29.875	8.9796
1950	No	Story3	1800	Yes	29	31.75	9.7796
1951	No	Story3	1801	Yes	29	33	9.7796
1952	No	Story3	1802	Yes	29	34.25	9.7796
1953	No	Story3	1803	Yes	29	31.125	8.9796
1954	No	Story3	1804	Yes	29	31.75	8.9796
1955	No	Story3	1805	Yes	29	32.375	8.9796
1956	No	Story3	1806	Yes	29	33	8.9796
1957	No	Story3	1807	Yes	29	33.625	8.9796
1958	No	Story3	1808	Yes	29	34.25	8.9796
1959	No	Story3	1809	Yes	29	34.875	8.9796
1960	No	Story3	1810	Yes	29	36.75	9.7796
1961	No	Story3	1811	Yes	29	38	9.7796
1962	No	Story3	1812	Yes	29	39.25	9.7796
1963	No	Story3	1813	Yes	29	36.125	8.9796
1964	No	Story3	1814	Yes	29	36.75	8.9796
1965	No	Story3	1815	Yes	29	37.375	8.9796
1966	No	Story3	1816	Yes	29	38	8.9796
1967	No	Story3	1817	Yes	29	38.625	8.9796
1968	No	Story3	1818	Yes	29	39.25	8.9796
1969	No	Story3	1819	Yes	29	39.875	8.9796
1970	No	Story3	1820	Yes	29	41.75	9.7796
1971	No	Story3	1821	Yes	29	43	9.7796
1972	No	Story3	1822	Yes	29	44.25	9.7796
1973	No	Story3	1823	Yes	29	41.125	8.9796
1974	No	Story3	1824	Yes	29	41.75	8.9796
1975	No	Story3	1825	Yes	29	42.375	8.9796
1976	No	Story3	1826	Yes	29	43	8.9796
1977	No	Story3	1827	Yes	29	43.625	8.9796
1978	No	Story3	1828	Yes	29	44.25	8.9796
1979	No	Story3	1829	Yes	29	44.875	8.9796
126	No	Story2	2	No	0	5.5	7
141	No	Story2	3	No	0	10.5	7
142	No	Story2	4	No	0	15.5	7
164	No	Story2	6	No	0	20.5	7
169	No	Story2	7	No	0	25.5	7
185	No	Story2	9	No	0	35.5	7
186	No	Story2	10	No	0	40.5	7
191	No	Story2	11	No	0	45.5	7
236	No	Story2	13	No	5	5.5	7
208	No	Story2	22	No	5	45.5	7
237	No	Story2	24	No	10	5.5	7
213	No	Story2	33	No	10	45.5	7
238	No	Story2	35	No	15	5.5	7
214	No	Story2	44	No	15	45.5	7
244	No	Story2	45	No	20	0	7
239	No	Story2	46	No	20	5.5	7
254	No	Story2	47	No	20	10.5	7
255	No	Story2	48	No	20	15.5	7
250	No	Story2	50	No	20	20.5	7
251	No	Story2	51	No	20	25.5	7
246	No	Story2	53	No	20	35.5	7
247	No	Story2	54	No	20	40.5	7
221	No	Story2	55	No	20	45.5	7
245	No	Story2	56	No	29	0	7
240	No	Story2	57	No	29	5.5	7
256	No	Story2	58	No	29	10.5	7
257	No	Story2	59	No	29	15.5	7

วิศวกรผู้ออกแบบงานโครงสร้าง
นายสัมภพ เจาจินตรักษ์ วย.1754

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
252	No	Story2	61	No	29	20.5	7
253	No	Story2	62	No	29	25.5	7
248	No	Story2	64	No	29	35.5	7
249	No	Story2	65	No	29	40.5	7
222	No	Story2	66	No	29	45.5	7
241	No	Story2	68	No	34	5.5	7
223	No	Story2	77	No	34	45.5	7
242	No	Story2	79	No	39	5.5	7
224	No	Story2	88	No	39	45.5	7
243	No	Story2	90	No	44	5.5	7
225	No	Story2	99	No	44	45.5	7
227	No	Story2	101	No	49	5.5	7
228	No	Story2	102	No	49	10.5	7
229	No	Story2	103	No	49	15.5	7
231	No	Story2	105	No	49	20.5	7
232	No	Story2	106	No	49	25.5	7
234	No	Story2	108	No	49	35.5	7
235	No	Story2	109	No	49	40.5	7
226	No	Story2	110	No	49	45.5	7
1074	No	Story2	1	No	0	30.5	7
1075	No	Story2	34	No	49	30.5	7
183	No	Story2	38	No	0	18.5	7
170	No	Story2	41	No	0	32.5	7
230	No	Story2	104	No	49	18.5	7
233	No	Story2	107	No	49	32.5	7
3	No	Story1	2	No	0	5.5	1
5	No	Story1	3	No	0	10.5	1
7	No	Story1	4	No	0	15.5	1
11	No	Story1	6	No	0	20.5	1
13	No	Story1	7	No	0	25.5	1
17	No	Story1	9	No	0	35.5	1
19	No	Story1	10	No	0	40.5	1
21	No	Story1	11	No	0	45.5	1
25	No	Story1	13	No	5	5.5	1
27	No	Story1	14	No	5	10.5	1
29	No	Story1	15	No	5	15.5	1
33	No	Story1	17	No	5	20.5	1
35	No	Story1	18	No	5	25.5	1
39	No	Story1	20	No	5	35.5	1
41	No	Story1	21	No	5	40.5	1
43	No	Story1	22	No	5	45.5	1
47	No	Story1	24	No	10	5.5	1
49	No	Story1	25	No	10	10.5	1
51	No	Story1	26	No	10	15.5	1
55	No	Story1	28	No	10	20.5	1
57	No	Story1	29	No	10	25.5	1
61	No	Story1	31	No	10	35.5	1
63	No	Story1	32	No	10	40.5	1
65	No	Story1	33	No	10	45.5	1
68	No	Story1	35	No	15	5.5	1
71	No	Story1	36	No	15	10.5	1
73	No	Story1	37	No	15	15.5	1
77	No	Story1	39	No	15	20.5	1
79	No	Story1	40	No	15	25.5	1
83	No	Story1	42	No	15	35.5	1
85	No	Story1	43	No	15	40.5	1
87	No	Story1	44	No	15	45.5	1
89	No	Story1	45	No	20	0	1
91	No	Story1	46	No	20	5.5	1
93	No	Story1	47	No	20	10.5	1

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
95	No	Story1	48	No	20	15.5	1
99	No	Story1	50	No	20	20.5	1
101	No	Story1	51	No	20	25.5	1
105	No	Story1	53	No	20	35.5	1
107	No	Story1	54	No	20	40.5	1
109	No	Story1	55	No	20	45.5	1
111	No	Story1	56	No	29	0	1
113	No	Story1	57	No	29	5.5	1
115	No	Story1	58	No	29	10.5	1
117	No	Story1	59	No	29	15.5	1
121	No	Story1	61	No	29	20.5	1
123	No	Story1	62	No	29	25.5	1
127	No	Story1	64	No	29	35.5	1
129	No	Story1	65	No	29	40.5	1
131	No	Story1	66	No	29	45.5	1
133	No	Story1	67	No	34	0	1
135	No	Story1	68	No	34	5.5	1
137	No	Story1	69	No	34	10.5	1
139	No	Story1	70	No	34	15.5	1
143	No	Story1	72	No	34	20.5	1
145	No	Story1	73	No	34	25.5	1
149	No	Story1	75	No	34	35.5	1
151	No	Story1	76	No	34	40.5	1
153	No	Story1	77	No	34	45.5	1
155	No	Story1	78	No	39	0	1
157	No	Story1	79	No	39	5.5	1
159	No	Story1	80	No	39	10.5	1
161	No	Story1	81	No	39	15.5	1
165	No	Story1	83	No	39	20.5	1
167	No	Story1	84	No	39	25.5	1
171	No	Story1	86	No	39	35.5	1
173	No	Story1	87	No	39	40.5	1
175	No	Story1	88	No	39	45.5	1
177	No	Story1	89	No	44	0	1
179	No	Story1	90	No	44	5.5	1
181	No	Story1	91	No	44	10.5	1
183	No	Story1	92	No	44	15.5	1
187	No	Story1	94	No	44	20.5	1
189	No	Story1	95	No	44	25.5	1
193	No	Story1	97	No	44	35.5	1
195	No	Story1	98	No	44	40.5	1
197	No	Story1	99	No	44	45.5	1
199	No	Story1	100	No	49	0	1
201	No	Story1	101	No	49	5.5	1
203	No	Story1	102	No	49	10.5	1
205	No	Story1	103	No	49	15.5	1
209	No	Story1	105	No	49	20.5	1
211	No	Story1	106	No	49	25.5	1
215	No	Story1	108	No	49	35.5	1
217	No	Story1	109	No	49	40.5	1
219	No	Story1	110	No	49	45.5	1
1	No	Story1	1	Yes	0	30.5	1
2	No	Story1	5	Yes	5	30.5	1
9	No	Story1	8	Yes	10	30.5	1
10	No	Story1	12	Yes	15	30.5	1
15	No	Story1	16	Yes	20	30.5	1
16	No	Story1	19	Yes	29	30.5	1
23	No	Story1	23	Yes	34	30.5	1
24	No	Story1	27	Yes	39	30.5	1
31	No	Story1	30	Yes	44	30.5	1

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
32	No	Story1	34	Yes	49	30.5	1
75	No	Story1	38	No	0	18.5	1
76	No	Story1	41	No	0	32.5	1
81	No	Story1	49	No	10	18.5	1
82	No	Story1	52	No	10	32.5	1
97	No	Story1	60	No	20	18.5	1
98	No	Story1	63	No	20	32.5	1
103	No	Story1	71	No	29	18.5	1
104	No	Story1	74	No	29	32.5	1
119	No	Story1	82	No	39	18.5	1
120	No	Story1	85	No	39	32.5	1
125	No	Story1	93	No	44	18.5	1
147	No	Story1	104	No	49	18.5	1
148	No	Story1	107	No	49	32.5	1
4	No	Base	2	No	0	5.5	0
6	No	Base	3	No	0	10.5	0
8	No	Base	4	No	0	15.5	0
12	No	Base	6	No	0	20.5	0
14	No	Base	7	No	0	25.5	0
18	No	Base	9	No	0	35.5	0
20	No	Base	10	No	0	40.5	0
22	No	Base	11	No	0	45.5	0
26	No	Base	13	No	5	5.5	0
28	No	Base	14	No	5	10.5	0
30	No	Base	15	No	5	15.5	0
34	No	Base	17	No	5	20.5	0
36	No	Base	18	No	5	25.5	0
40	No	Base	20	No	5	35.5	0
42	No	Base	21	No	5	40.5	0
44	No	Base	22	No	5	45.5	0
48	No	Base	24	No	10	5.5	0
50	No	Base	25	No	10	10.5	0
52	No	Base	26	No	10	15.5	0
56	No	Base	28	No	10	20.5	0
58	No	Base	29	No	10	25.5	0
62	No	Base	31	No	10	35.5	0
64	No	Base	32	No	10	40.5	0
66	No	Base	33	No	10	45.5	0
70	No	Base	35	No	15	5.5	0
72	No	Base	36	No	15	10.5	0
74	No	Base	37	No	15	15.5	0
78	No	Base	39	No	15	20.5	0
80	No	Base	40	No	15	25.5	0
84	No	Base	42	No	15	35.5	0
86	No	Base	43	No	15	40.5	0
88	No	Base	44	No	15	45.5	0
90	No	Base	45	No	20	0	0
92	No	Base	46	No	20	5.5	0
94	No	Base	47	No	20	10.5	0
96	No	Base	48	No	20	15.5	0
100	No	Base	50	No	20	20.5	0
102	No	Base	51	No	20	25.5	0
106	No	Base	53	No	20	35.5	0
108	No	Base	54	No	20	40.5	0
110	No	Base	55	No	20	45.5	0
112	No	Base	56	No	29	0	0
114	No	Base	57	No	29	5.5	0
116	No	Base	58	No	29	10.5	0
118	No	Base	59	No	29	15.5	0
122	No	Base	61	No	29	20.5	0

UniqueName	Is Auto Point	Story	PointBay	IsSpecial	X m	Y m	Z m
124	No	Base	62	No	29	25.5	0
128	No	Base	64	No	29	35.5	0
130	No	Base	65	No	29	40.5	0
132	No	Base	66	No	29	45.5	0
134	No	Base	67	No	34	0	0
136	No	Base	68	No	34	5.5	0
138	No	Base	69	No	34	10.5	0
140	No	Base	70	No	34	15.5	0
144	No	Base	72	No	34	20.5	0
146	No	Base	73	No	34	25.5	0
150	No	Base	75	No	34	35.5	0
152	No	Base	76	No	34	40.5	0
154	No	Base	77	No	34	45.5	0
156	No	Base	78	No	39	0	0
158	No	Base	79	No	39	5.5	0
160	No	Base	80	No	39	10.5	0
162	No	Base	81	No	39	15.5	0
166	No	Base	83	No	39	20.5	0
168	No	Base	84	No	39	25.5	0
172	No	Base	86	No	39	35.5	0
174	No	Base	87	No	39	40.5	0
176	No	Base	88	No	39	45.5	0
178	No	Base	89	No	44	0	0
180	No	Base	90	No	44	5.5	0
182	No	Base	91	No	44	10.5	0
184	No	Base	92	No	44	15.5	0
188	No	Base	94	No	44	20.5	0
190	No	Base	95	No	44	25.5	0
194	No	Base	97	No	44	35.5	0
196	No	Base	98	No	44	40.5	0
198	No	Base	99	No	44	45.5	0
200	No	Base	100	No	49	0	0
202	No	Base	101	No	49	5.5	0
204	No	Base	102	No	49	10.5	0
206	No	Base	103	No	49	15.5	0
210	No	Base	105	No	49	20.5	0
212	No	Base	106	No	49	25.5	0
216	No	Base	108	No	49	35.5	0
218	No	Base	109	No	49	40.5	0
220	No	Base	110	No	49	45.5	0
37	No	Base	1	No	0	30.5	0
38	No	Base	5	No	5	30.5	0
45	No	Base	8	No	10	30.5	0
46	No	Base	12	No	15	30.5	0
53	No	Base	16	No	20	30.5	0
54	No	Base	19	No	29	30.5	0
59	No	Base	23	No	34	30.5	0
60	No	Base	27	No	39	30.5	0
67	No	Base	30	No	44	30.5	0
68	No	Base	34	No	49	30.5	0

1.4 Line Connectivity

Table 1.6 - Column Bays

Label	PointBayI	PointBayJ	IEndStory
C1	1	1	Below
C2	2	2	Below
C3	3	3	Below
C4	4	4	Below
C5	5	5	Below

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Label	PointBayI	PointBayJ	IEndStory
C6	6	6	Below
C7	7	7	Below
C8	8	8	Below
C9	9	9	Below
C10	10	10	Below
C11	11	11	Below
C12	12	12	Below
C13	13	13	Below
C14	14	14	Below
C15	15	15	Below
C16	16	16	Below
C17	17	17	Below
C18	18	18	Below
C19	19	19	Below
C20	20	20	Below
C21	21	21	Below
C22	22	22	Below
C23	23	23	Below
C24	24	24	Below
C25	25	25	Below
C26	26	26	Below
C27	27	27	Below
C28	28	28	Below
C29	29	29	Below
C30	30	30	Below
C31	31	31	Below
C32	32	32	Below
C33	33	33	Below
C34	34	34	Below
C35	35	35	Below
C36	36	36	Below
C37	37	37	Below
C38	38	38	Below
C39	39	39	Below
C40	40	40	Below
C41	41	41	Below
C42	42	42	Below
C43	43	43	Below
C44	44	44	Below
C45	45	45	Below
C46	46	46	Below
C47	47	47	Below
C48	48	48	Below
C49	111	96	Same
C50	50	50	Below
C51	51	51	Below
C52	104	104	Below
C53	53	53	Below
C54	54	54	Below
C55	55	55	Below
C56	56	56	Below
C57	57	57	Below
C58	58	58	Below
C59	59	59	Below
C60	107	107	Below
C61	61	61	Below
C62	62	62	Below
C63	3	112	Below
C64	64	64	Below
C65	65	65	Below
C66	66	66	Below

Label	PointBayI	PointBayJ	IEndStory
C67	67	67	Below
C68	68	68	Below
C69	69	69	Below
C70	70	70	Below
C71	102	113	Below
C72	72	72	Below
C73	73	73	Below
C74	112	114	Same
C75	75	75	Below
C76	76	76	Below
C77	77	77	Below
C78	78	78	Below
C79	79	79	Below
C80	80	80	Below
C81	81	81	Below
C82	113	115	Same
C83	83	83	Below
C84	84	84	Below
C85	13	281	Below
C86	86	86	Below
C87	87	87	Below
C88	88	88	Below
C89	89	89	Below
C90	90	90	Below
C91	91	91	Below
C92	92	92	Below
C93	118	116	Same
C94	94	94	Below
C95	95	95	Below
C96	24	285	Below
C97	97	97	Below
C98	98	98	Below
C99	99	99	Below
C100	100	100	Below
C101	101	101	Below
C102	102	102	Below
C103	103	103	Below
C104	232	238	Same
C105	105	105	Below
C106	106	106	Below
C107	119	117	Same
C108	108	108	Below
C109	109	109	Below
C110	110	110	Below
C111	238	239	Same
C112	239	235	Same
C113	242	243	Same
C114	249	248	Same
C115	2	250	Below
C116	101	251	Below
C117	250	252	Same
C118	251	253	Same
C119	256	254	Same
C120	257	255	Same
C121	370	374	Same
C122	374	375	Same
C123	375	371	Same
C124	378	379	Same
C125	385	384	Same
C126	4	386	Below
C127	103	387	Below

Label	PointBayI	PointBayJ	IEndStory
C128	386	388	Same
C129	387	389	Same
C130	392	390	Same
C131	393	391	Same
C132	506	510	Same
C133	510	511	Same
C134	511	507	Same
C135	514	515	Same
C136	521	520	Same
C137	6	522	Below
C138	105	523	Below
C139	522	524	Same
C140	523	525	Same
C141	528	526	Same
C142	529	527	Same
C143	642	646	Same
C144	646	647	Same
C145	647	643	Same
C146	650	651	Same
C147	657	656	Same
C148	7	658	Below
C149	106	659	Below
C150	658	660	Same
C151	659	661	Same
C152	664	662	Same
C153	665	663	Same
C154	778	782	Same
C155	782	783	Same
C156	783	779	Same
C157	786	787	Same
C158	793	792	Same
C159	1	794	Below
C160	34	795	Below
C161	794	796	Same
C162	795	797	Same
C163	800	798	Same
C164	801	799	Same
C165	914	918	Same
C166	918	919	Same
C167	919	915	Same
C168	922	923	Same
C169	929	928	Same
C170	9	930	Below
C171	108	931	Below
C172	930	932	Same
C173	931	933	Same
C174	936	934	Same
C175	937	935	Same
C176	1050	1054	Same
C177	1054	1055	Same
C178	1055	1051	Same
C179	1058	1059	Same
C180	1065	1064	Same
C181	10	1066	Below
C182	109	1067	Below
C183	1066	1068	Same
C184	1067	1069	Same
C185	1072	1070	Same
C186	1073	1071	Same
C187	1186	1190	Same
C188	1190	1191	Same

Label	PointBayI	PointBayJ	IEndStory
C189	1191	1187	Same
C190	1194	1195	Same
C191	1201	1200	Same
C192	11	1202	Below
C193	110	1203	Below
C194	1202	1204	Same
C195	1203	1205	Same
C196	1208	1206	Same
C197	1209	1207	Same
C198	1322	1326	Same
C199	1326	1327	Same
C200	1327	1323	Same
C201	1330	1331	Same
C202	35	269	Below
C203	46	256	Below
C204	57	257	Below
C205	68	304	Below
C206	79	300	Below
C207	90	296	Below
C208	47	118	Below
C209	58	119	Below
C210	48	392	Below
C211	59	393	Below
C212	50	528	Below
C213	61	529	Below
C214	51	664	Below
C215	62	665	Below
C216	53	936	Below
C217	64	937	Below
C218	54	1072	Below
C219	65	1073	Below
C220	22	1233	Below
C221	33	1237	Below
C222	44	1241	Below
C223	55	1208	Below
C224	77	1256	Below
C225	88	1252	Below
C226	99	1248	Below

Table 1.7 - Beam Bays

Label	PointBayI	PointBayJ
B1	11	22
B2	22	33
B3	33	44
B4	44	55
B5	55	66
B6	66	77
B7	77	88
B8	88	99
B9	99	110
B10	10	21
B11	21	32
B12	32	43
B13	43	54
B14	54	65
B15	65	76
B16	76	87
B17	87	98
B18	98	109
B19	9	20

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Label	PointBayI	PointBayJ
B20	20	31
B21	31	42
B22	42	53
B23	53	64
B24	64	75
B25	75	86
B26	86	97
B27	97	108
B28	7	18
B29	18	29
B30	29	40
B31	40	51
B32	51	62
B33	62	73
B34	73	84
B35	84	95
B36	95	106
B37	6	17
B38	17	28
B39	28	39
B40	39	50
B41	50	61
B42	61	72
B43	72	83
B44	83	94
B45	94	105
B46	4	15
B47	15	26
B48	26	37
B49	37	48
B50	48	59
B51	59	70
B52	70	81
B53	81	92
B54	92	103
B55	3	14
B56	14	25
B57	25	36
B58	36	47
B59	47	58
B60	58	69
B61	69	80
B62	80	91
B63	91	102
B64	2	13
B65	13	24
B66	24	35
B67	35	46
B68	46	57
B69	57	68
B70	68	79
B71	79	90
B72	90	101
B73	45	56
B74	56	67
B75	67	78
B76	78	89
B77	89	100
B78	1	5
B79	5	8
B80	8	12

Label	PointBayI	PointBayJ
B81	12	16
B82	16	19
B83	19	23
B84	23	27
B85	27	30
B86	30	34
B87	2	3
B88	3	4
B89	4	38
B90	38	6
B91	6	7
B92	7	41
B93	41	9
B94	9	10
B95	10	11
B96	24	25
B97	25	26
B98	26	49
B99	49	28
B100	28	29
B101	29	52
B102	52	31
B103	31	32
B104	32	33
B105	35	36
B106	21	22
B107	45	46
B108	46	47
B109	47	48
B110	48	60
B111	60	50
B112	50	51
B113	51	63
B114	63	53
B115	53	54
B116	54	55
B117	56	57
B118	57	58
B119	58	59
B120	59	71
B121	71	61
B122	61	62
B123	62	74
B124	74	64
B125	64	65
B126	65	66
B127	68	69
B128	67	68
B129	78	79
B130	79	80
B131	80	81
B132	81	82
B133	82	83
B134	83	84
B135	84	85
B136	85	86
B137	86	87
B138	87	88
B139	98	99
B140	94	95
B141	93	94

Label	PointBayI	PointBayJ
B142	92	93
B143	90	91
B144	116	120
B145	120	121
B146	101	102
B147	102	103
B148	103	104
B149	104	105
B150	105	106
B151	106	107
B152	121	122
B153	122	96
B154	89	90
B155	100	101
B156	107	108
B157	108	109
B158	109	110
B159	117	123
B160	123	124
B161	253	1415
B162	1415	1416
B163	232	236
B164	236	237
B165	237	112
B166	235	240
B167	240	241
B168	241	114
B169	124	125
B170	125	96
B171	118	126
B172	126	127
B173	127	128
B174	128	129
B175	129	130
B176	130	131
B177	131	132
B178	132	111
B179	119	133
B180	133	134
B181	134	135
B182	135	136
B183	136	137
B184	137	138
B185	138	139
B186	139	111
B187	114	140
B188	140	141
B189	141	142
B190	142	143
B191	143	144
B192	144	145
B193	145	146
B194	146	147
B195	147	148
B196	148	149
B197	149	150
B198	150	151
B199	151	152
B200	152	153
B201	153	154
B202	154	116

Label	PointBayI	PointBayJ
B203	115	155
B204	155	156
B205	156	157
B206	157	158
B207	158	159
B208	159	160
B209	160	161
B210	161	162
B211	162	163
B212	163	164
B213	164	165
B214	165	166
B215	166	167
B216	167	168
B217	168	169
B218	169	117
B219	112	170
B220	170	171
B221	171	172
B222	172	173
B223	173	174
B224	174	175
B225	175	176
B226	176	177
B227	177	178
B228	178	179
B229	179	180
B230	180	181
B231	181	182
B232	182	183
B233	183	184
B234	184	185
B235	185	186
B236	186	187
B237	187	188
B238	188	189
B239	189	190
B240	190	191
B241	191	192
B242	192	193
B243	193	194
B244	194	195
B245	195	196
B246	196	197
B247	197	198
B248	198	199
B249	199	200
B250	200	118
B251	113	201
B252	201	202
B253	202	203
B254	203	204
B255	204	205
B256	205	206
B257	206	207
B258	207	208
B259	208	209
B260	209	210
B261	210	211
B262	211	212
B263	212	213

วิศวกรผู้ออกแบบงานโครงสร้าง
นายสมภพ เงาจินตรักษ์ วย.1754

Label	PointBayI	PointBayJ
B264	213	214
B265	214	215
B266	215	216
B267	216	217
B268	217	218
B269	218	219
B270	219	220
B271	220	221
B272	221	222
B273	222	223
B274	223	224
B275	224	225
B276	225	226
B277	226	227
B278	227	228
B279	228	229
B280	229	230
B281	230	231
B282	231	119
B283	252	233
B284	233	1336
B285	113	244
B286	244	245
B287	245	242
B288	243	246
B289	246	247
B290	247	115
B291	254	258
B292	258	259
B293	259	260
B294	260	248
B295	255	261
B296	261	262
B297	262	263
B298	263	248
B299	256	264
B300	264	265
B301	265	266
B302	266	267
B303	267	268
B304	268	269
B305	269	270
B306	270	249
B307	257	271
B308	271	272
B309	272	273
B310	273	274
B311	274	275
B312	275	276
B313	276	277
B314	277	249
B315	252	278
B316	278	279
B317	279	280
B318	280	281
B319	281	282
B320	282	283
B321	283	284
B322	284	285
B323	285	286
B324	286	287

Label	PointBayI	PointBayJ
B325	287	288
B326	288	289
B327	289	290
B328	290	291
B329	291	292
B330	292	254
B331	253	293
B332	293	294
B333	294	295
B334	295	296
B335	296	297
B336	297	298
B337	298	299
B338	299	300
B339	300	301
B340	301	302
B341	302	303
B342	303	304
B343	304	305
B344	305	306
B345	306	307
B346	307	255
B347	250	308
B348	308	309
B349	309	310
B350	310	311
B351	311	312
B352	312	313
B353	313	314
B354	314	315
B355	315	316
B356	316	317
B357	317	318
B358	318	319
B359	319	320
B360	320	321
B361	321	322
B362	322	323
B363	323	324
B364	324	325
B365	325	326
B366	326	327
B367	327	328
B368	328	329
B369	329	330
B370	330	331
B371	331	332
B372	332	333
B373	333	334
B374	334	335
B375	335	336
B376	336	337
B377	337	338
B378	338	256
B379	251	339
B380	339	340
B381	340	341
B382	341	342
B383	342	343
B384	343	344
B385	344	345

Label	PointBayI	PointBayJ
B386	345	346
B387	346	347
B388	347	348
B389	348	349
B390	349	350
B391	350	351
B392	351	352
B393	352	353
B394	353	354
B395	354	355
B396	355	356
B397	356	357
B398	357	358
B399	358	359
B400	359	360
B401	360	361
B402	361	362
B403	362	363
B404	363	364
B405	364	365
B406	365	366
B407	366	367
B408	367	368
B409	368	369
B410	369	257
B411	370	372
B412	372	373
B413	373	250
B414	371	376
B415	376	377
B416	377	252
B417	251	380
B418	380	381
B419	381	378
B420	379	382
B421	382	383
B422	383	253
B423	390	394
B424	394	395
B425	395	396
B426	396	384
B427	391	397
B428	397	398
B429	398	399
B430	399	384
B431	392	400
B432	400	401
B433	401	402
B434	402	403
B435	403	404
B436	404	405
B437	405	406
B438	406	385
B439	393	407
B440	407	408
B441	408	409
B442	409	410
B443	410	411
B444	411	412
B445	412	413
B446	413	385

Label	PointBayI	PointBayJ
B447	388	414
B448	414	415
B449	415	416
B450	416	417
B451	417	418
B452	418	419
B453	419	420
B454	420	421
B455	421	422
B456	422	423
B457	423	424
B458	424	425
B459	425	426
B460	426	427
B461	427	428
B462	428	390
B463	389	429
B464	429	430
B465	430	431
B466	431	432
B467	432	433
B468	433	434
B469	434	435
B470	435	438
B471	436	437
B472	437	438
B473	438	439
B474	439	440
B475	440	441
B476	441	442
B477	442	443
B478	443	391
B479	386	444
B480	444	445
B481	445	446
B482	446	447
B483	447	448
B484	448	449
B485	449	450
B486	450	451
B487	451	452
B488	452	453
B489	453	454
B490	454	455
B491	455	456
B492	456	457
B493	457	458
B494	458	459
B495	459	460
B496	460	461
B497	461	462
B498	462	463
B499	463	464
B500	464	465
B501	465	466
B502	466	467
B503	467	468
B504	468	469
B505	469	470
B506	470	471
B507	471	472

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Label	PointBayI	PointBayJ
B508	472	473
B509	473	474
B510	474	392
B511	387	475
B512	475	476
B513	476	477
B514	477	478
B515	478	479
B516	479	480
B517	480	481
B518	481	482
B519	482	483
B520	483	484
B521	484	485
B522	485	486
B523	486	487
B524	487	488
B525	488	489
B526	489	490
B527	490	491
B528	491	492
B529	492	493
B530	493	494
B531	494	495
B532	495	496
B533	496	497
B534	497	498
B535	498	499
B536	499	500
B537	500	501
B538	501	502
B539	502	503
B540	503	504
B541	504	505
B542	505	393
B543	506	508
B544	508	509
B545	509	386
B546	507	512
B547	512	513
B548	513	388
B549	387	516
B550	516	517
B551	517	514
B552	515	518
B553	518	519
B554	519	389
B555	526	530
B556	530	531
B557	531	532
B558	532	520
B559	527	533
B560	533	534
B561	534	535
B562	535	520
B563	528	536
B564	536	537
B565	537	538
B566	538	539
B567	539	540
B568	540	541

Label	PointBayI	PointBayJ
B569	541	542
B570	542	521
B571	528	543
B572	543	544
B573	544	545
B574	545	546
B575	546	547
B576	547	548
B577	548	549
B578	549	521
B579	524	550
B580	550	551
B581	551	552
B582	552	553
B583	553	554
B584	554	555
B585	555	556
B586	556	557
B587	557	558
B588	558	559
B589	559	560
B590	560	561
B591	561	562
B592	562	563
B593	563	564
B594	564	526
B595	525	565
B596	565	566
B597	566	567
B598	567	568
B599	568	569
B600	569	570
B601	570	571
B602	571	572
B603	572	573
B604	573	574
B605	574	575
B606	575	576
B607	576	577
B608	577	578
B609	578	579
B610	579	527
B611	522	580
B612	580	581
B613	581	582
B614	582	583
B615	583	584
B616	584	585
B617	585	586
B618	586	587
B619	587	588
B620	588	589
B621	589	590
B622	590	591
B623	591	592
B624	592	593
B625	593	594
B626	594	595
B627	595	596
B628	596	597
B629	597	598

Label	PointBayI	PointBayJ
B630	598	599
B631	599	600
B632	600	601
B633	601	602
B634	602	603
B635	603	604
B636	604	605
B637	605	606
B638	606	607
B639	607	608
B640	608	609
B641	609	610
B642	610	528
B643	523	611
B644	611	612
B645	612	613
B646	613	614
B647	614	615
B648	615	616
B649	616	617
B650	617	618
B651	618	619
B652	619	620
B653	620	621
B654	621	622
B655	622	623
B656	623	624
B657	624	625
B658	625	626
B659	626	627
B660	627	628
B661	628	629
B662	629	630
B663	630	631
B664	631	632
B665	632	633
B666	633	634
B667	634	635
B668	635	636
B669	636	637
B670	637	638
B671	638	639
B672	639	640
B673	640	641
B674	641	529
B675	642	644
B676	644	645
B677	645	522
B678	643	648
B679	648	649
B680	649	524
B681	523	652
B682	652	653
B683	653	650
B684	651	654
B685	654	655
B686	655	525
B687	662	666
B688	666	667
B689	667	668
B690	668	656

Label	PointBayI	PointBayJ
B691	663	669
B692	669	670
B693	670	671
B694	671	656
B695	664	672
B696	672	673
B697	673	674
B698	674	675
B699	675	676
B700	676	677
B701	677	678
B702	678	657
B703	665	679
B704	679	680
B705	680	681
B706	681	682
B707	682	683
B708	683	684
B709	684	685
B710	685	657
B711	660	686
B712	686	687
B713	687	688
B714	688	689
B715	689	690
B716	690	691
B717	691	692
B718	692	693
B719	693	694
B720	694	695
B721	695	696
B722	696	697
B723	697	698
B724	698	699
B725	699	700
B726	700	662
B727	661	701
B728	701	702
B729	702	703
B730	703	704
B731	704	705
B732	705	706
B733	706	707
B734	707	708
B735	708	709
B736	709	710
B737	710	711
B738	711	712
B739	712	713
B740	713	714
B741	714	715
B742	715	663
B743	658	716
B744	716	717
B745	717	718
B746	718	719
B747	719	720
B748	720	721
B749	721	722
B750	722	723
B751	723	724

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Label	PointBayI	PointBayJ
B752	724	725
B753	725	726
B754	726	727
B755	727	728
B756	728	729
B757	729	730
B758	730	731
B759	731	732
B760	732	733
B761	733	734
B762	734	735
B763	735	736
B764	736	737
B765	737	738
B766	738	739
B767	739	740
B768	740	741
B769	741	742
B770	742	743
B771	743	744
B772	744	745
B773	745	746
B774	746	864
B775	659	747
B776	747	748
B777	748	749
B778	749	750
B779	750	751
B780	751	752
B781	752	753
B782	753	754
B783	754	755
B784	755	756
B785	756	757
B786	757	758
B787	758	759
B788	759	760
B789	760	761
B790	761	762
B791	762	763
B792	763	764
B793	764	765
B794	765	766
B795	766	767
B796	767	768
B797	768	769
B798	769	770
B799	770	771
B800	771	772
B801	772	773
B802	773	774
B803	774	775
B804	775	776
B805	776	777
B806	777	665
B807	778	780
B808	780	781
B809	781	658
B810	779	784
B811	784	785
B812	785	660

Label	PointBayI	PointBayJ
B813	659	788
B814	786	789
B815	789	786
B816	787	790
B817	790	791
B818	791	661
B819	798	802
B820	802	803
B821	803	804
B822	804	792
B823	799	805
B824	805	806
B825	806	807
B826	807	792
B827	800	808
B828	808	809
B829	809	810
B830	810	811
B831	811	812
B832	812	813
B833	813	814
B834	814	793
B835	801	815
B836	815	816
B837	816	817
B838	817	818
B839	818	819
B840	819	820
B841	820	821
B842	821	793
B843	796	822
B844	822	823
B845	823	824
B846	824	825
B847	825	826
B848	826	827
B849	827	828
B850	828	829
B851	829	830
B852	830	831
B853	831	832
B854	832	833
B855	833	834
B856	834	835
B857	835	836
B858	836	798
B859	797	837
B860	837	838
B861	838	839
B862	839	840
B863	840	841
B864	841	842
B865	842	843
B866	843	844
B867	844	845
B868	845	846
B869	846	847
B870	847	848
B871	848	849
B872	849	850
B873	850	851

Label	PointBayI	PointBayJ
B874	851	799
B875	794	852
B876	852	853
B877	853	854
B878	854	855
B879	855	856
B880	856	857
B881	857	858
B882	858	859
B883	859	860
B884	860	861
B885	861	862
B886	862	863
B887	863	864
B888	864	865
B889	865	866
B890	866	867
B891	867	868
B892	868	869
B893	869	870
B894	870	871
B895	871	872
B896	872	873
B897	873	874
B898	874	875
B899	875	876
B900	876	877
B901	877	878
B902	878	879
B903	879	880
B904	880	881
B905	881	882
B906	882	800
B907	795	883
B908	883	884
B909	884	885
B910	885	886
B911	886	887
B912	887	888
B913	888	889
B914	889	890
B915	890	891
B916	891	892
B917	892	893
B918	893	894
B919	894	895
B920	895	896
B921	896	897
B922	897	898
B923	898	899
B924	899	900
B925	900	901
B926	901	902
B927	902	903
B928	903	904
B929	904	905
B930	905	906
B931	906	907
B932	907	908
B933	908	909
B934	909	910

Label	PointBayI	PointBayJ
B935	910	911
B936	911	912
B937	912	913
B938	913	801
B939	914	916
B940	916	917
B941	917	794
B942	915	920
B943	920	921
B944	921	796
B945	795	924
B946	924	925
B947	925	922
B948	923	926
B949	926	927
B950	927	797
B951	934	936
B952	938	939
B953	939	940
B954	940	928
B955	935	941
B956	941	942
B957	942	943
B958	943	928
B959	936	944
B960	944	945
B961	945	946
B962	946	947
B963	947	948
B964	948	949
B965	949	950
B966	950	929
B967	937	951
B968	951	952
B969	952	953
B970	953	954
B971	954	955
B972	955	956
B973	956	957
B974	957	929
B975	932	958
B976	958	959
B977	959	960
B978	960	961
B979	961	962
B980	962	963
B981	963	964
B982	964	965
B983	965	966
B984	966	967
B985	967	968
B986	968	969
B987	969	970
B988	970	971
B989	971	972
B990	972	934
B991	933	973
B992	973	974
B993	974	975
B994	975	976
B995	976	977

วิศวกรผู้ออกแบบงานโครงสร้าง
นายสมภพ เงาจินตรักษ์ วย.1754

Label	PointBayI	PointBayJ
B996	977	978
B997	978	979
B998	979	980
B999	980	981
B1000	981	982
B1001	982	983
B1002	983	984
B1003	984	985
B1004	985	986
B1005	986	987
B1006	987	935
B1007	930	988
B1008	988	989
B1009	989	990
B1010	990	991
B1011	991	992
B1012	992	993
B1013	993	994
B1014	994	995
B1015	995	996
B1016	996	997
B1017	997	998
B1018	998	999
B1019	999	1000
B1020	1000	1001
B1021	1001	1002
B1022	1002	1003
B1023	1003	1004
B1024	1004	1005
B1025	1005	1006
B1026	1006	1007
B1027	1007	1008
B1028	1008	1009
B1029	1009	1010
B1030	1010	1011
B1031	1011	1012
B1032	1012	1013
B1033	1013	1014
B1034	1014	1015
B1035	1015	1016
B1036	1016	1017
B1037	1017	1018
B1038	1018	936
B1039	931	1019
B1040	1019	1020
B1041	1020	1021
B1042	1021	1022
B1043	1022	1023
B1044	1023	1024
B1045	1024	1025
B1046	1025	1026
B1047	1026	1027
B1048	1027	1028
B1049	1028	1029
B1050	1029	1030
B1051	1030	1031
B1052	1031	1032
B1053	1032	1033
B1054	1033	1034
B1055	1034	1035
B1056	1035	1036

Label	PointBayI	PointBayJ
B1057	1036	1037
B1058	1037	1038
B1059	1038	1039
B1060	1039	1040
B1061	1040	1041
B1062	1041	1042
B1063	1042	1043
B1064	1043	1044
B1065	1044	1045
B1066	1045	1046
B1067	1046	1047
B1068	1047	1048
B1069	1048	1049
B1070	1049	937
B1071	1050	1052
B1072	1052	1053
B1073	1053	930
B1074	1051	1056
B1075	1056	1057
B1076	1057	932
B1077	931	1060
B1078	1060	1061
B1079	1061	1058
B1080	1059	1062
B1081	1062	1063
B1082	1063	933
B1083	1070	1074
B1084	1074	1075
B1085	1075	1076
B1086	1076	1064
B1087	1071	1077
B1088	1077	1078
B1089	1078	1079
B1090	1079	1064
B1091	1072	1080
B1092	1080	1081
B1093	1081	1082
B1094	1082	1083
B1095	1083	1084
B1096	1084	1085
B1097	1085	1086
B1098	1086	1065
B1099	1073	1087
B1100	1087	1088
B1101	1088	1089
B1102	1089	1090
B1103	1090	1091
B1104	1091	1092
B1105	1092	1093
B1106	1093	1065
B1107	1068	1094
B1108	1094	1095
B1109	1095	1096
B1110	1096	1097
B1111	1097	1096
B1112	1098	1099
B1113	1099	1100
B1114	1100	1101
B1115	1101	1102
B1116	1102	1103
B1117	1103	1104

Label	PointBayI	PointBayJ
B1118	1104	1105
B1119	1105	1106
B1120	1106	1107
B1121	1107	1108
B1122	1108	1070
B1123	1069	1109
B1124	1109	1110
B1125	1110	1111
B1126	1111	1112
B1127	1112	1113
B1128	1113	1114
B1129	1114	1115
B1130	1115	1116
B1131	1116	1117
B1132	1117	1118
B1133	1118	1119
B1134	1119	1120
B1135	1120	1121
B1136	1121	1122
B1137	1122	1123
B1138	1123	1071
B1139	1066	1124
B1140	1124	1125
B1141	1125	1126
B1142	1126	1127
B1143	1127	1128
B1144	1128	1129
B1145	1129	1130
B1146	1130	1131
B1147	1131	1132
B1148	1132	1133
B1149	1133	1134
B1150	1134	1135
B1151	1135	1136
B1152	1136	1137
B1153	1137	1138
B1154	1138	1139
B1155	1139	1140
B1156	1140	1141
B1157	1141	1142
B1158	1142	1143
B1159	1143	1144
B1160	1144	1145
B1161	1145	1146
B1162	1146	1147
B1163	1147	1148
B1164	1148	1149
B1165	1149	1150
B1166	1150	1151
B1167	1151	1152
B1168	1152	1153
B1169	1153	1154
B1170	1154	1072
B1171	1067	1155
B1172	1155	1156
B1173	1156	1157
B1174	1157	1158
B1175	1158	1159
B1176	1159	1160
B1177	1160	1161
B1178	1161	1162

Label	PointBayI	PointBayJ
B1179	1162	1163
B1180	1163	1164
B1181	1164	1165
B1182	1165	1166
B1183	1166	1167
B1184	1167	1168
B1185	1168	1169
B1186	1168	1170
B1187	1170	1171
B1188	1171	1172
B1189	1172	1173
B1190	1173	1174
B1191	1174	1175
B1192	1175	1176
B1193	1176	1177
B1194	1177	1178
B1195	1178	1179
B1196	1179	1180
B1197	1180	1181
B1198	1181	1182
B1199	1182	1183
B1200	1183	1184
B1201	1184	1185
B1202	1185	1073
B1203	1186	1188
B1204	1188	1189
B1205	1189	1066
B1206	1187	1192
B1207	1192	1193
B1208	1193	1068
B1209	1067	1196
B1210	1196	1197
B1211	1197	1194
B1212	1195	1196
B1213	1198	1199
B1214	1199	1069
B1215	1206	1210
B1216	1210	1211
B1217	1211	1212
B1218	1212	1200
B1219	1207	1213
B1220	1213	1214
B1221	1214	1215
B1222	1215	1200
B1223	1208	1216
B1224	1216	1217
B1225	1217	1218
B1226	1218	1219
B1227	1219	1220
B1228	1220	1221
B1229	1221	1222
B1230	1222	1201
B1231	1209	1223
B1232	1223	1224
B1233	1224	1225
B1234	1225	1226
B1235	1226	1227
B1236	1227	1228
B1237	1228	1229
B1238	1229	1201
B1239	1204	1230

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Label	PointBayI	PointBayJ
B1240	1230	1231
B1241	1231	1232
B1242	1232	1233
B1243	1233	1234
B1244	1234	1235
B1245	1235	1236
B1246	1236	1237
B1247	1237	1238
B1248	1238	1239
B1249	1239	1240
B1250	1240	1241
B1251	1241	1242
B1252	1242	1243
B1253	1243	1244
B1254	1244	1206
B1255	1205	1245
B1256	1245	1246
B1257	1246	1247
B1258	1247	1248
B1259	1248	1249
B1260	1249	1250
B1261	1250	1251
B1262	1251	1252
B1263	1252	1253
B1264	1253	1254
B1265	1254	1255
B1266	1255	1256
B1267	1256	1257
B1268	1257	1258
B1269	1258	1259
B1270	1259	1207
B1271	1202	1260
B1272	1260	1261
B1273	1261	1262
B1274	1262	1263
B1275	1263	1264
B1276	1264	1265
B1277	1265	1266
B1278	1266	1267
B1279	1267	1268
B1280	1268	1269
B1281	1269	1270
B1282	1270	1271
B1283	1271	1272
B1284	1272	1273
B1285	1273	1274
B1286	1274	1275
B1287	1275	1276
B1288	1276	1277
B1289	1277	1278
B1290	1278	1279
B1291	1279	1280
B1292	1280	1281
B1293	1281	1282
B1294	1282	1283
B1295	1283	1284
B1296	1284	1285
B1297	1285	1286
B1298	1286	1287
B1299	1287	1288
B1300	1288	1289

Label	PointBayI	PointBayJ
B1301	1289	1290
B1302	1290	1208
B1303	1203	1291
B1304	1291	1292
B1305	1292	1293
B1306	1293	1294
B1307	1294	1295
B1308	1295	1296
B1309	1296	1297
B1310	1297	1298
B1311	1298	1299
B1312	1299	1300
B1313	1300	1301
B1314	1301	1302
B1315	1302	1303
B1316	1303	1304
B1317	1304	1305
B1318	1305	1306
B1319	1306	1307
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B1321	1308	1309
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B1324	1311	1312
B1325	1312	1313
B1326	1313	1314
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B1328	1315	1316
B1329	1316	1317
B1330	1317	1318
B1331	1318	1319
B1332	1319	1320
B1333	1320	1321
B1334	1321	1209
B1335	1322	1324
B1336	1324	1325
B1337	1325	1202
B1338	1323	1328
B1339	1328	1329
B1340	1329	1204
B1341	1203	1332
B1342	1332	1333
B1343	1333	1330
B1344	1331	1334
B1345	1334	1335
B1346	1335	1205
B1347	1336	1337
B1348	1337	114
B1349	250	1338
B1350	1338	1339
B1351	1339	1340
B1352	1340	1341
B1353	1341	1342
B1354	1342	1343
B1355	1343	1344
B1356	1344	112
B1357	114	1345
B1358	1345	1346
B1359	1346	1347
B1360	1347	388
B1361	112	1348

Label	PointBayI	PointBayJ
B1362	1348	1349
B1363	1349	1350
B1364	1350	1351
B1365	1351	1352
B1366	1352	1353
B1367	1353	1354
B1368	1354	386
B1369	388	1355
B1370	1355	1356
B1371	1356	1357
B1372	1357	524
B1373	386	1358
B1374	1358	1359
B1375	1359	1360
B1376	1360	1361
B1377	1361	1362
B1378	1362	1363
B1379	1363	1364
B1380	1364	522
B1381	524	1365
B1382	1365	1366
B1383	1366	1367
B1384	1367	660
B1385	522	1368
B1386	1368	1369
B1387	1369	1370
B1388	1370	1371
B1389	1371	1372
B1390	1372	1373
B1391	1373	1374
B1392	1374	658
B1393	660	1375
B1394	1375	1376
B1395	1376	1377
B1396	1377	796
B1397	658	1378
B1398	1378	1379
B1399	1379	1380
B1400	1380	1381
B1401	1381	1382
B1402	1382	1383
B1403	1383	1384
B1404	1384	794
B1405	796	1385
B1406	1385	1386
B1407	1386	1387
B1408	1387	932
B1409	794	1388
B1410	1388	1389
B1411	1389	1390
B1412	1390	1391
B1413	1391	1392
B1414	1392	1393
B1415	1393	1394
B1416	1394	930
B1417	932	1395
B1418	1395	1396
B1419	1396	1397
B1420	1397	1068
B1421	930	1398
B1422	1398	1399

Label	PointBayI	PointBayJ
B1423	1399	1400
B1424	1400	1401
B1425	1401	1402
B1426	1402	1403
B1427	1403	1404
B1428	1404	1066
B1429	1068	1405
B1430	1405	1406
B1431	1406	1407
B1432	1407	1204
B1433	1066	1408
B1434	1408	1409
B1435	1409	1410
B1436	1410	1411
B1437	1411	1412
B1438	1412	1413
B1439	1413	1414
B1440	1414	1202
B1441	1416	1417
B1442	1417	115
B1443	251	1418
B1444	1418	1419
B1445	1419	1420
B1446	1420	1421
B1447	1421	1422
B1448	1422	1423
B1449	1423	1424
B1450	1424	113
B1451	115	1425
B1452	1425	1426
B1453	1426	1427
B1454	1427	389
B1455	113	1428
B1456	1428	1429
B1457	1429	1430
B1458	1430	1431
B1459	1431	1432
B1460	1432	1433
B1461	1433	1434
B1462	1434	387
B1463	389	1435
B1464	1435	1436
B1465	1436	1437
B1466	1437	525
B1467	387	1438
B1468	1438	1439
B1469	1438	1440
B1470	1440	1441
B1471	1441	1442
B1472	1442	1443
B1473	1443	1444
B1474	1444	523
B1475	525	1445
B1476	1445	1446
B1477	1446	1447
B1478	1447	661
B1479	523	1448
B1480	1448	1449
B1481	1449	1450
B1482	1450	1451
B1483	1451	1452

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Label	PointBayI	PointBayJ
B1484	1452	1453
B1485	1453	1454
B1486	1454	659
B1487	661	1455
B1488	1455	1456
B1489	1456	1457
B1490	1457	797
B1491	659	1458
B1492	1458	1459
B1493	1459	1460
B1494	1460	1461
B1495	1461	1462
B1496	1462	1463
B1497	1463	1464
B1498	1464	795
B1499	797	1465
B1500	1465	1466
B1501	1466	1467
B1502	1467	933
B1503	795	1468
B1504	1468	1469
B1505	1469	1470
B1506	1470	1471
B1507	1471	1472
B1508	1472	1473
B1509	1473	1474
B1510	1474	931
B1511	933	1475
B1512	1475	1476
B1513	1476	1477
B1514	1477	1069
B1515	931	1478
B1516	1478	1479
B1517	1479	1480
B1518	1480	1481
B1519	1481	1482
B1520	1482	1483
B1521	1483	1484
B1522	1484	1067
B1523	1069	1485
B1524	1485	1486
B1525	1486	1487
B1526	1487	1205
B1527	1067	1488
B1528	1488	1489
B1529	1489	1490
B1530	1490	1491
B1531	1491	1492
B1532	1492	1493
B1533	1493	1494
B1534	1494	1203
B1537	323	1495
B1538	1495	1496
B1539	1496	1497
B1540	1497	1498
B1541	1498	1499
B1542	1499	1500
B1543	1500	1501
B1544	1501	185
B1545	285	1502
B1546	1502	1503

Label	PointBayI	PointBayJ
B1547	1503	1504
B1548	1504	147
B1549	185	1505
B1550	1505	1506
B1551	1506	1507
B1552	1507	1508
B1553	1508	1509
B1554	1509	1510
B1555	1510	1511
B1556	1511	459
B1557	147	1512
B1558	1512	1513
B1559	1513	1514
B1560	1514	421
B1561	459	1515
B1562	1515	1516
B1563	1516	1517
B1564	1517	1518
B1565	1518	1519
B1566	1519	1520
B1567	1520	1521
B1568	1521	595
B1569	421	1522
B1570	1522	1523
B1571	1523	1524
B1572	1524	557
B1573	595	1525
B1574	1525	1526
B1575	1526	1527
B1576	1527	1528
B1577	1528	1529
B1578	1529	1530
B1579	1530	1531
B1580	1531	731
B1581	557	1532
B1582	1532	1533
B1583	1533	1534
B1584	1534	693
B1585	731	1535
B1586	1535	1536
B1587	1536	1537
B1588	1537	1538
B1589	1538	1539
B1590	1539	1540
B1591	1540	1541
B1592	1541	867
B1593	693	1542
B1594	1542	1543
B1595	1543	1544
B1596	1544	829
B1597	867	1545
B1598	1545	1546
B1599	1546	1547
B1600	1547	1548
B1601	1548	1549
B1602	1549	1550
B1603	1550	1551
B1604	1551	1003
B1605	829	1552
B1606	1552	1553
B1607	1553	1554

Label	PointBayI	PointBayJ
B1608	1554	965
B1609	1003	1555
B1610	1555	1556
B1611	1556	1557
B1612	1557	1558
B1613	1558	1559
B1614	1559	1560
B1615	1560	1561
B1616	1561	1139
B1617	965	1562
B1618	1562	1563
B1619	1563	1564
B1620	1564	1101
B1621	1139	1565
B1622	1565	1566
B1623	1566	1567
B1624	1567	1568
B1625	1568	1569
B1626	1569	1570
B1627	1570	1571
B1628	1571	1275
B1629	1101	1572
B1630	1572	1573
B1631	1573	1574
B1632	1574	1237
B1633	354	1575
B1634	1575	1576
B1635	1576	1577
B1636	1577	1578
B1637	1578	1579
B1638	1579	1580
B1639	1580	1581
B1640	1581	216
B1641	300	1582
B1642	1582	1583
B1643	1583	1584
B1644	1584	162
B1645	216	1585
B1646	1585	1586
B1647	1586	1587
B1648	1587	1588
B1649	1588	1589
B1650	1589	1590
B1651	1590	1591
B1652	1591	490
B1653	162	1592
B1654	1592	1593
B1655	1593	1594
B1656	1594	436
B1657	490	1595
B1658	1595	1596
B1659	1596	1597
B1660	1597	1598
B1661	1598	1599
B1662	1599	1600
B1663	1600	1601
B1664	1601	828
B1665	436	1602
B1666	1602	1603
B1667	1603	1604
B1668	1604	572

Label	PointBayI	PointBayJ
B1669	828	1605
B1670	1605	1606
B1671	1606	1607
B1672	1607	1608
B1673	1608	1609
B1674	1609	1610
B1675	1610	1611
B1676	1611	762
B1677	572	1612
B1678	1612	1613
B1679	1613	1614
B1680	1614	708
B1681	762	1615
B1682	1615	1616
B1683	1616	1617
B1684	1617	1618
B1685	1618	1619
B1686	1619	1620
B1687	1620	1621
B1688	1621	898
B1689	708	1622
B1690	1622	1623
B1691	1623	1624
B1692	1624	844
B1693	898	1625
B1694	1625	1626
B1695	1626	1627
B1696	1627	1628
B1697	1628	1629
B1698	1629	1630
B1699	1630	1631
B1700	1631	1034
B1701	844	1632
B1702	1632	1633
B1703	1633	1634
B1704	1634	980
B1705	1034	1635
B1706	1635	1636
B1707	1636	1637
B1708	1637	1638
B1709	1638	1639
B1710	1639	1640
B1711	1640	1641
B1712	1641	1170
B1713	980	1642
B1714	1642	1643
B1715	1643	1644
B1716	1644	1116
B1717	1170	1645
B1718	1645	1646
B1719	1646	1647
B1720	1647	1648
B1721	1648	1649
B1722	1649	1650
B1723	1650	1651
B1724	1651	1306
B1725	1116	1652
B1726	1652	1653
B1727	1653	1654
B1728	1654	1252
B1729	254	1655

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Label	PointBayI	PointBayJ
B1730	1655	1656
B1731	1656	1657
B1732	1657	116
B1733	256	1658
B1734	1658	1659
B1735	1659	1660
B1736	1660	1661
B1737	1661	1662
B1738	1662	1663
B1739	1663	1664
B1740	1664	116
B1741	116	1666
B1742	1666	1667
B1743	1667	1668
B1744	1668	390
B1745	116	1669
B1746	1669	1670
B1747	1670	1671
B1748	1671	1672
B1749	1672	1673
B1750	1673	1674
B1751	1674	1675
B1752	1675	392
B1753	390	1676
B1754	1676	1677
B1755	1677	1678
B1756	1678	526
B1757	392	1679
B1758	1679	1680
B1759	1680	1681
B1760	1681	1682
B1761	1682	1683
B1762	1683	1684
B1763	1684	1685
B1764	1685	526
B1765	526	1686
B1766	1686	1687
B1767	1687	1688
B1768	1688	662
B1769	528	1689
B1770	1689	1690
B1771	1690	1691
B1772	1691	1692
B1773	1692	1693
B1774	1693	1694
B1775	1694	1695
B1776	1695	664
B1777	662	1696
B1778	1696	1697
B1779	1697	1698
B1780	1698	798
B1781	664	1699
B1782	1699	1700
B1783	1700	1701
B1784	1701	1702
B1785	1702	1703
B1786	1703	1704
B1787	1704	1705
B1788	1705	800
B1789	798	1706
B1790	1706	1707

Label	PointBayI	PointBayJ
B1791	1707	1706
B1792	1706	934
B1793	800	1709
B1794	1709	1710
B1795	1710	1711
B1796	1711	1712
B1797	1712	1713
B1798	1713	1714
B1799	1714	1715
B1800	1715	936
B1801	934	1716
B1802	1716	1717
B1803	1717	1718
B1804	1718	1070
B1805	936	1719
B1806	1719	1720
B1807	1720	1721
B1808	1721	1722
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B1812	1725	1072
B1813	1070	1726
B1814	1726	1727
B1815	1727	1728
B1816	1728	1206
B1817	1072	1729
B1818	1729	1730
B1819	1730	1731
B1820	1731	1732
B1821	1732	1733
B1822	1733	1734
B1823	1734	1735
B1824	1735	1208
B1837	255	1750
B1838	1750	1751
B1839	1751	1752
B1840	1752	117
B1841	257	1753
B1842	1753	1754
B1843	1754	1755
B1844	1755	1756
B1845	1756	1757
B1846	1757	1758
B1847	1758	1759
B1848	1759	119
B1849	117	1760
B1850	1760	1761
B1851	1761	1762
B1852	1762	391
B1853	119	1763
B1854	1763	1764
B1855	1764	1765
B1856	1765	1766
B1857	1766	1767
B1858	1767	1768
B1859	1768	1769
B1860	1769	393
B1861	391	1770
B1862	1770	1771
B1863	1771	1772

Label	PointBayI	PointBayJ
B1864	1772	527
B1865	393	1773
B1866	1773	1774
B1867	1774	1775
B1868	1775	1776
B1869	1776	1777
B1870	1777	1778
B1871	1778	1779
B1872	1779	529
B1873	527	1780
B1874	1780	1781
B1875	1781	1782
B1876	1782	663
B1877	529	1783
B1878	1783	1784
B1879	1784	1785
B1880	1785	1786
B1881	1786	1787
B1882	1787	1788
B1883	1788	1789
B1884	1789	665
B1885	663	1790
B1886	1790	1791
B1887	1791	1792
B1888	1792	799
B1889	665	1793
B1890	1793	1794
B1891	1794	1795
B1892	1795	1796
B1893	1796	1797
B1894	1797	1798
B1895	1798	1799
B1896	1799	801
B1897	799	1800
B1898	1800	1801
B1899	1801	1802
B1900	1802	935
B1901	801	1803
B1902	1803	1804
B1903	1804	1805
B1904	1805	1806
B1905	1806	1807
B1906	1807	1808
B1907	1808	1809
B1908	1809	937
B1909	935	1810
B1910	1810	1811
B1911	1811	1812
B1912	1812	1071
B1913	937	1813
B1914	1813	1814
B1915	1814	1815
B1916	1815	1816
B1917	1816	1817
B1918	1817	1818
B1919	1818	1819
B1920	1819	1073
B1921	1071	1820
B1922	1820	1821
B1923	1821	1822
B1924	1822	1207

Label	PointBayI	PointBayJ
B1925	1073	1823
B1926	1823	1824
B1927	1824	1825
B1928	1825	1826
B1929	1826	1827
B1930	1827	1828
B1931	1828	1829
B1932	1829	1209

Table 1.8 - Brace Bays

Label	PointBayI	PointBayJ	IEndStory
D1	126	116	Same
D2	126	120	Same
D3	128	120	Same
D4	128	121	Same
D5	130	121	Same
D6	130	122	Same
D7	132	122	Same
D8	132	96	Same
D9	139	96	Same
D10	139	125	Same
D11	137	125	Same
D12	137	124	Same
D13	135	124	Same
D14	135	123	Same
D15	133	123	Same
D16	133	117	Same
D17	170	114	Same
D18	170	140	Same
D19	172	140	Same
D20	172	141	Same
D21	174	141	Same
D22	174	142	Same
D23	176	142	Same
D24	176	143	Same
D25	178	143	Same
D26	178	144	Same
D27	180	144	Same
D28	180	145	Same
D29	182	145	Same
D30	182	146	Same
D31	184	146	Same
D32	184	147	Same
D33	186	147	Same
D34	186	148	Same
D35	188	148	Same
D36	188	149	Same
D37	190	149	Same
D38	190	150	Same
D39	192	150	Same
D40	192	151	Same
D41	194	151	Same
D42	194	152	Same
D43	196	152	Same
D44	196	153	Same
D45	198	153	Same
D46	198	154	Same
D47	200	154	Same
D48	200	116	Same
D49	231	117	Same

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Label	PointBayI	PointBayJ	IEndStory
D50	231	169	Same
D51	229	169	Same
D52	229	168	Same
D53	227	168	Same
D54	227	167	Same
D55	225	167	Same
D56	225	166	Same
D57	223	166	Same
D58	223	165	Same
D59	221	165	Same
D60	221	164	Same
D61	219	164	Same
D62	219	163	Same
D63	217	163	Same
D64	217	162	Same
D65	215	162	Same
D66	215	161	Same
D67	213	161	Same
D68	213	160	Same
D69	211	160	Same
D70	211	159	Same
D71	209	159	Same
D72	209	158	Same
D73	207	158	Same
D74	207	157	Same
D75	205	157	Same
D76	205	156	Same
D77	203	156	Same
D78	203	155	Same
D79	201	155	Same
D80	201	115	Same
D81	232	240	Same
D82	237	240	Same
D83	237	114	Same
D84	244	115	Same
D85	244	246	Same
D86	242	246	Same
D87	264	254	Same
D88	264	258	Same
D89	266	258	Same
D90	266	259	Same
D91	268	259	Same
D92	268	260	Same
D93	270	260	Same
D94	270	248	Same
D95	277	248	Same
D96	277	263	Same
D97	275	263	Same
D98	275	262	Same
D99	273	262	Same
D100	273	261	Same
D101	271	261	Same
D102	271	255	Same
D103	308	252	Same
D104	308	278	Same
D105	310	278	Same
D106	310	279	Same
D107	312	279	Same
D108	312	280	Same
D109	314	280	Same
D110	314	281	Same

Label	PointBayI	PointBayJ	IEndStory
D111	316	281	Same
D112	316	282	Same
D113	318	282	Same
D114	318	283	Same
D115	320	283	Same
D116	320	284	Same
D117	322	284	Same
D118	322	285	Same
D119	324	285	Same
D120	324	286	Same
D121	326	286	Same
D122	326	287	Same
D123	328	287	Same
D124	328	288	Same
D125	330	288	Same
D126	330	289	Same
D127	332	289	Same
D128	332	290	Same
D129	334	290	Same
D130	334	291	Same
D131	336	291	Same
D132	336	292	Same
D133	338	292	Same
D134	338	254	Same
D135	369	255	Same
D136	369	307	Same
D137	367	307	Same
D138	367	306	Same
D139	365	306	Same
D140	365	305	Same
D141	363	305	Same
D142	363	304	Same
D143	361	304	Same
D144	361	303	Same
D145	359	303	Same
D146	359	302	Same
D147	357	302	Same
D148	357	301	Same
D149	355	301	Same
D150	355	300	Same
D151	353	300	Same
D152	353	299	Same
D153	351	299	Same
D154	351	298	Same
D155	349	298	Same
D156	349	297	Same
D157	347	297	Same
D158	347	296	Same
D159	345	296	Same
D160	345	295	Same
D161	343	295	Same
D162	343	294	Same
D163	341	294	Same
D164	341	293	Same
D165	339	293	Same
D166	339	253	Same
D167	370	376	Same
D168	373	376	Same
D169	373	252	Same
D170	380	253	Same
D171	380	382	Same

Label	PointBayI	PointBayJ	IEndStory
D172	378	382	Same
D173	400	390	Same
D174	400	394	Same
D175	402	394	Same
D176	402	395	Same
D177	404	395	Same
D178	404	396	Same
D179	406	396	Same
D180	406	384	Same
D181	413	384	Same
D182	413	399	Same
D183	411	399	Same
D184	411	398	Same
D185	409	398	Same
D186	409	397	Same
D187	407	397	Same
D188	407	391	Same
D189	444	388	Same
D190	444	414	Same
D191	446	414	Same
D192	446	415	Same
D193	448	415	Same
D194	448	416	Same
D195	450	416	Same
D196	450	417	Same
D197	452	417	Same
D198	452	418	Same
D199	454	418	Same
D200	454	419	Same
D201	456	419	Same
D202	456	420	Same
D203	458	420	Same
D204	458	421	Same
D205	460	421	Same
D206	460	422	Same
D207	462	422	Same
D208	462	423	Same
D209	464	423	Same
D210	464	424	Same
D211	466	424	Same
D212	466	425	Same
D213	468	425	Same
D214	468	426	Same
D215	470	426	Same
D216	470	427	Same
D217	472	427	Same
D218	472	428	Same
D219	474	428	Same
D220	474	390	Same
D221	505	391	Same
D222	505	443	Same
D223	503	443	Same
D224	503	442	Same
D225	501	442	Same
D226	501	441	Same
D227	499	441	Same
D228	499	440	Same
D229	497	440	Same
D230	497	439	Same
D231	495	439	Same
D232	495	438	Same

Label	PointBayI	PointBayJ	IEndStory
D233	493	438	Same
D234	493	437	Same
D235	491	437	Same
D236	491	436	Same
D237	489	436	Same
D238	489	435	Same
D239	487	435	Same
D240	487	434	Same
D241	485	434	Same
D242	485	433	Same
D243	483	433	Same
D244	483	432	Same
D245	481	432	Same
D246	481	431	Same
D247	479	431	Same
D248	479	430	Same
D249	477	430	Same
D250	477	429	Same
D251	475	429	Same
D252	475	389	Same
D253	506	512	Same
D254	509	512	Same
D255	509	388	Same
D256	516	388	Same
D257	516	518	Same
D258	514	518	Same
D259	536	526	Same
D260	536	530	Same
D261	538	530	Same
D262	538	531	Same
D263	540	531	Same
D264	540	532	Same
D265	542	532	Same
D266	542	520	Same
D267	549	520	Same
D268	549	535	Same
D269	547	535	Same
D270	547	534	Same
D271	545	534	Same
D272	545	533	Same
D273	543	533	Same
D274	543	527	Same
D275	580	524	Same
D276	580	550	Same
D277	582	550	Same
D278	582	551	Same
D279	584	551	Same
D280	584	552	Same
D281	586	552	Same
D282	586	553	Same
D283	588	553	Same
D284	588	554	Same
D285	590	554	Same
D286	590	555	Same
D287	592	555	Same
D288	592	556	Same
D289	594	556	Same
D290	594	557	Same
D291	596	557	Same
D292	596	558	Same
D293	598	558	Same

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Label	PointBayI	PointBayJ	IEndStory
D294	598	559	Same
D295	600	559	Same
D296	600	560	Same
D297	602	560	Same
D298	602	561	Same
D299	604	561	Same
D300	604	562	Same
D301	606	562	Same
D302	606	563	Same
D303	608	563	Same
D304	608	564	Same
D305	610	564	Same
D306	610	526	Same
D307	641	527	Same
D308	641	579	Same
D309	639	579	Same
D310	639	578	Same
D311	637	578	Same
D312	637	577	Same
D313	635	577	Same
D314	635	576	Same
D315	633	576	Same
D316	633	575	Same
D317	631	575	Same
D318	631	574	Same
D319	629	574	Same
D320	629	573	Same
D321	627	573	Same
D322	627	572	Same
D323	625	572	Same
D324	625	571	Same
D325	623	571	Same
D326	623	570	Same
D327	621	570	Same
D328	621	569	Same
D329	619	569	Same
D330	619	568	Same
D331	617	568	Same
D332	617	567	Same
D333	615	567	Same
D334	615	566	Same
D335	613	566	Same
D336	613	565	Same
D337	611	565	Same
D338	611	525	Same
D339	642	648	Same
D340	645	648	Same
D341	645	524	Same
D342	652	525	Same
D343	652	654	Same
D344	650	654	Same
D345	672	662	Same
D346	672	666	Same
D347	674	666	Same
D348	674	667	Same
D349	676	667	Same
D350	676	668	Same
D351	678	668	Same
D352	678	656	Same
D353	685	656	Same
D354	685	671	Same

Label	PointBayI	PointBayJ	IEndStory
D355	683	671	Same
D356	683	670	Same
D357	681	670	Same
D358	681	669	Same
D359	679	669	Same
D360	679	663	Same
D361	716	660	Same
D362	716	686	Same
D363	716	686	Same
D364	716	687	Same
D365	720	687	Same
D366	720	688	Same
D367	722	688	Same
D368	722	689	Same
D369	724	689	Same
D370	724	690	Same
D371	726	690	Same
D372	726	691	Same
D373	728	691	Same
D374	728	692	Same
D375	730	692	Same
D376	730	693	Same
D377	732	693	Same
D378	732	694	Same
D379	734	694	Same
D380	734	695	Same
D381	736	695	Same
D382	736	696	Same
D383	738	696	Same
D384	738	697	Same
D385	740	697	Same
D386	740	698	Same
D387	742	698	Same
D388	742	699	Same
D389	744	699	Same
D390	744	700	Same
D391	746	700	Same
D392	746	662	Same
D393	777	663	Same
D394	777	715	Same
D395	775	715	Same
D396	775	714	Same
D397	773	714	Same
D398	773	713	Same
D399	771	713	Same
D400	771	712	Same
D401	769	712	Same
D402	769	711	Same
D403	767	711	Same
D404	767	710	Same
D405	765	710	Same
D406	765	709	Same
D407	763	709	Same
D408	763	708	Same
D409	761	708	Same
D410	761	707	Same
D411	759	707	Same
D412	759	706	Same
D413	757	706	Same
D414	757	705	Same
D415	755	705	Same

Label	PointBayI	PointBayJ	IEndStory
D416	755	704	Same
D417	753	704	Same
D418	753	703	Same
D419	751	703	Same
D420	751	702	Same
D421	749	702	Same
D422	749	701	Same
D423	747	701	Same
D424	747	661	Same
D425	778	784	Same
D426	781	784	Same
D427	781	660	Same
D428	788	661	Same
D429	788	790	Same
D430	786	790	Same
D431	808	798	Same
D432	808	802	Same
D433	810	802	Same
D434	810	803	Same
D435	812	803	Same
D436	812	804	Same
D437	814	804	Same
D438	814	792	Same
D439	821	792	Same
D440	821	807	Same
D441	819	807	Same
D442	819	806	Same
D443	817	806	Same
D444	817	805	Same
D445	815	805	Same
D446	815	799	Same
D447	852	796	Same
D448	852	822	Same
D449	854	822	Same
D450	854	823	Same
D451	856	823	Same
D452	856	824	Same
D453	858	824	Same
D454	858	825	Same
D455	860	825	Same
D456	860	826	Same
D457	862	826	Same
D458	862	827	Same
D459	864	827	Same
D460	864	828	Same
D461	866	828	Same
D462	866	829	Same
D463	868	829	Same
D464	868	830	Same
D465	870	830	Same
D466	870	831	Same
D467	872	831	Same
D468	872	832	Same
D469	874	832	Same
D470	874	833	Same
D471	876	833	Same
D472	876	834	Same
D473	878	834	Same
D474	878	835	Same
D475	880	835	Same
D476	880	836	Same

Label	PointBayI	PointBayJ	IEndStory
D477	882	836	Same
D478	882	798	Same
D479	913	799	Same
D480	913	851	Same
D481	911	851	Same
D482	911	850	Same
D483	909	850	Same
D484	909	849	Same
D485	907	849	Same
D486	907	848	Same
D487	905	848	Same
D488	905	847	Same
D489	903	847	Same
D490	903	846	Same
D491	901	846	Same
D492	901	845	Same
D493	899	845	Same
D494	899	844	Same
D495	897	844	Same
D496	897	843	Same
D497	895	843	Same
D498	895	842	Same
D499	893	842	Same
D500	893	841	Same
D501	891	841	Same
D502	891	840	Same
D503	889	840	Same
D504	889	839	Same
D505	887	839	Same
D506	887	838	Same
D507	885	838	Same
D508	885	837	Same
D509	883	837	Same
D510	883	797	Same
D511	914	920	Same
D512	917	920	Same
D513	917	796	Same
D514	924	797	Same
D515	924	926	Same
D516	922	926	Same
D517	944	934	Same
D518	944	938	Same
D519	946	938	Same
D520	946	939	Same
D521	948	939	Same
D522	948	940	Same
D523	950	940	Same
D524	950	928	Same
D525	957	928	Same
D526	957	943	Same
D527	955	943	Same
D528	955	942	Same
D529	953	942	Same
D530	953	941	Same
D531	951	941	Same
D532	951	935	Same
D533	988	932	Same
D534	988	958	Same
D535	990	958	Same
D536	990	959	Same
D537	992	959	Same

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Label	PointBayI	PointBayJ	IEndStory
D538	992	960	Same
D539	994	960	Same
D540	994	961	Same
D541	996	961	Same
D542	996	962	Same
D543	996	962	Same
D544	998	963	Same
D545	1000	963	Same
D546	1000	964	Same
D547	1002	964	Same
D548	1002	965	Same
D549	1004	965	Same
D550	1004	966	Same
D551	1006	966	Same
D552	1006	967	Same
D553	1008	967	Same
D554	1008	968	Same
D555	1010	968	Same
D556	1010	969	Same
D557	1012	969	Same
D558	1012	970	Same
D559	1014	970	Same
D560	1014	971	Same
D561	1016	971	Same
D562	1016	972	Same
D563	1018	972	Same
D564	1018	934	Same
D565	1049	935	Same
D566	1049	987	Same
D567	1047	987	Same
D568	1047	986	Same
D569	1045	986	Same
D570	1045	985	Same
D571	1043	985	Same
D572	1043	984	Same
D573	1041	984	Same
D574	1041	983	Same
D575	1039	983	Same
D576	1039	982	Same
D577	1037	982	Same
D578	1037	981	Same
D579	1035	981	Same
D580	1035	980	Same
D581	1033	980	Same
D582	1033	979	Same
D583	1031	979	Same
D584	1031	978	Same
D585	1029	978	Same
D586	1029	977	Same
D587	1027	977	Same
D588	1027	976	Same
D589	1025	976	Same
D590	1025	975	Same
D591	1023	975	Same
D592	1023	974	Same
D593	1021	974	Same
D594	1021	973	Same
D595	1019	973	Same
D596	1019	933	Same
D597	1050	1056	Same
D598	1053	1056	Same

Label	PointBayI	PointBayJ	IEndStory
D599	1053	932	Same
D600	1060	933	Same
D601	1060	1062	Same
D602	1058	1062	Same
D603	1080	1070	Same
D604	1080	1074	Same
D605	1082	1074	Same
D606	1082	1075	Same
D607	1084	1075	Same
D608	1084	1076	Same
D609	1086	1076	Same
D610	1086	1064	Same
D611	1093	1064	Same
D612	1093	1079	Same
D613	1091	1079	Same
D614	1091	1078	Same
D615	1089	1078	Same
D616	1089	1077	Same
D617	1087	1077	Same
D618	1087	1071	Same
D619	1124	1068	Same
D620	1124	1084	Same
D621	1126	1094	Same
D622	1126	1095	Same
D623	1128	1095	Same
D624	1128	1096	Same
D625	1130	1096	Same
D626	1130	1097	Same
D627	1132	1097	Same
D628	1132	1098	Same
D629	1134	1098	Same
D630	1134	1099	Same
D631	1136	1099	Same
D632	1136	1100	Same
D633	1138	1100	Same
D634	1138	1101	Same
D635	1140	1101	Same
D636	1140	1102	Same
D637	1142	1102	Same
D638	1142	1103	Same
D639	1144	1103	Same
D640	1144	1104	Same
D641	1146	1104	Same
D642	1146	1105	Same
D643	1148	1105	Same
D644	1148	1106	Same
D645	1150	1106	Same
D646	1150	1107	Same
D647	1152	1107	Same
D648	1152	1108	Same
D649	1154	1108	Same
D650	1154	1070	Same
D651	1185	1071	Same
D652	1185	1123	Same
D653	1183	1123	Same
D654	1183	1122	Same
D655	1181	1122	Same
D656	1181	1121	Same
D657	1179	1121	Same
D658	1179	1120	Same
D659	1177	1120	Same

Label	PointBayI	PointBayJ	IEndStory
D660	1177	1119	Same
D661	1175	1119	Same
D662	1175	1118	Same
D663	1173	1118	Same
D664	1173	1117	Same
D665	1171	1117	Same
D666	1171	1116	Same
D667	1169	1116	Same
D668	1169	1115	Same
D669	1167	1115	Same
D670	1167	1114	Same
D671	1165	1114	Same
D672	1165	1113	Same
D673	1163	1113	Same
D674	1163	1112	Same
D675	1161	1112	Same
D676	1161	1111	Same
D677	1159	1111	Same
D678	1159	1110	Same
D679	1157	1110	Same
D680	1157	1109	Same
D681	1155	1109	Same
D682	1155	1069	Same
D683	1186	1192	Same
D684	1189	1192	Same
D685	1189	1068	Same
D686	1196	1069	Same
D687	1196	1198	Same
D688	1194	1198	Same
D689	1216	1206	Same
D690	1216	1210	Same
D691	1218	1210	Same
D692	1218	1211	Same
D693	1220	1211	Same
D694	1220	1212	Same
D695	1222	1212	Same
D696	1222	1200	Same
D697	1229	1200	Same
D698	1229	1215	Same
D699	1227	1215	Same
D700	1227	1214	Same
D701	1225	1214	Same
D702	1225	1213	Same
D703	1223	1213	Same
D704	1223	1207	Same
D705	1260	1204	Same
D706	1260	1230	Same
D707	1262	1230	Same
D708	1262	1231	Same
D709	1264	1231	Same
D710	1264	1232	Same
D711	1266	1232	Same
D712	1266	1233	Same
D713	1268	1233	Same
D714	1268	1234	Same
D715	1270	1234	Same
D716	1270	1235	Same
D717	1272	1235	Same
D718	1272	1236	Same
D719	1274	1236	Same
D720	1274	1237	Same

Label	PointBayI	PointBayJ	IEndStory
D721	1276	1237	Same
D722	1276	1238	Same
D723	1278	1238	Same
D724	1278	1239	Same
D725	1280	1239	Same
D726	1280	1240	Same
D727	1282	1240	Same
D728	1282	1241	Same
D729	1284	1241	Same
D730	1284	1242	Same
D731	1286	1242	Same
D732	1286	1243	Same
D733	1288	1243	Same
D734	1288	1244	Same
D735	1290	1244	Same
D736	1290	1206	Same
D737	1321	1207	Same
D738	1321	1259	Same
D739	1319	1259	Same
D740	1319	1258	Same
D741	1317	1258	Same
D742	1317	1257	Same
D743	1315	1257	Same
D744	1315	1256	Same
D745	1313	1256	Same
D746	1313	1255	Same
D747	1311	1255	Same
D748	1311	1254	Same
D749	1309	1254	Same
D750	1309	1253	Same
D751	1307	1253	Same
D752	1307	1252	Same
D753	1305	1252	Same
D754	1305	1251	Same
D755	1303	1251	Same
D756	1303	1250	Same
D757	1301	1250	Same
D758	1301	1249	Same
D759	1299	1249	Same
D760	1299	1248	Same
D761	1297	1248	Same
D762	1297	1247	Same
D763	1295	1247	Same
D764	1295	1246	Same
D765	1293	1246	Same
D766	1293	1245	Same
D767	1291	1245	Same
D768	1291	1205	Same
D769	1322	1328	Same
D770	1325	1328	Same
D771	1325	1204	Same
D772	1332	1205	Same
D773	1332	1334	Same
D774	1330	1334	Same
D775	1338	252	Same
D776	1338	233	Same
D777	1340	233	Same
D778	1340	1336	Same
D779	1342	1336	Same
D780	1342	1337	Same
D781	1344	1337	Same

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Label	PointBayI	PointBayJ	IEndStory
D782	1344	114	Same
D783	1348	114	Same
D784	1348	1345	Same
D785	1350	1345	Same
D786	1350	1346	Same
D787	1352	1346	Same
D788	1352	1347	Same
D789	1354	1347	Same
D790	1354	388	Same
D791	1358	388	Same
D792	1358	1355	Same
D793	1360	1355	Same
D794	1360	1356	Same
D795	1362	1356	Same
D796	1362	1357	Same
D797	1364	1357	Same
D798	1364	524	Same
D799	1368	524	Same
D800	1368	1365	Same
D801	1370	1365	Same
D802	1370	1366	Same
D803	1372	1366	Same
D804	1372	1367	Same
D805	1374	1367	Same
D806	1374	660	Same
D807	1378	660	Same
D808	1378	1375	Same
D809	1380	1375	Same
D810	1380	1376	Same
D811	1382	1376	Same
D812	1382	1377	Same
D813	1384	1377	Same
D814	1384	796	Same
D815	1388	796	Same
D816	1388	1385	Same
D817	1390	1385	Same
D818	1390	1386	Same
D819	1392	1386	Same
D820	1392	1387	Same
D821	1394	1387	Same
D822	1394	932	Same
D823	1398	932	Same
D824	1398	1395	Same
D825	1400	1395	Same
D826	1400	1396	Same
D827	1402	1396	Same
D828	1402	1397	Same
D829	1404	1397	Same
D830	1404	1068	Same
D831	1408	1068	Same
D832	1408	1405	Same
D833	1410	1405	Same
D834	1410	1406	Same
D835	1412	1406	Same
D836	1412	1407	Same
D837	1414	1407	Same
D838	1414	1204	Same
D839	1418	253	Same
D840	1418	1415	Same
D841	1420	1415	Same
D842	1420	1416	Same

Label	PointBayI	PointBayJ	IEndStory
D843	1422	1416	Same
D844	1422	1417	Same
D845	1424	1417	Same
D846	1424	115	Same
D847	1428	115	Same
D848	1428	1425	Same
D849	1430	1425	Same
D850	1430	1426	Same
D851	1432	1426	Same
D852	1432	1427	Same
D853	1434	1427	Same
D854	1434	389	Same
D855	1436	389	Same
D856	1436	1435	Same
D857	1440	1435	Same
D858	1440	1436	Same
D859	1442	1436	Same
D860	1442	1437	Same
D861	1444	1437	Same
D862	1444	525	Same
D863	1448	525	Same
D864	1448	1445	Same
D865	1450	1445	Same
D866	1450	1446	Same
D867	1452	1446	Same
D868	1452	1447	Same
D869	1454	1447	Same
D870	1454	661	Same
D871	1458	661	Same
D872	1458	1455	Same
D873	1460	1455	Same
D874	1460	1456	Same
D875	1462	1456	Same
D876	1462	1457	Same
D877	1464	1457	Same
D878	1464	797	Same
D879	1468	797	Same
D880	1468	1465	Same
D881	1470	1465	Same
D882	1470	1466	Same
D883	1472	1466	Same
D884	1472	1467	Same
D885	1474	1467	Same
D886	1474	933	Same
D887	1478	933	Same
D888	1478	1475	Same
D889	1480	1475	Same
D890	1480	1476	Same
D891	1482	1476	Same
D892	1482	1477	Same
D893	1484	1477	Same
D894	1484	1069	Same
D895	1488	1069	Same
D896	1488	1485	Same
D897	1490	1485	Same
D898	1490	1486	Same
D899	1492	1486	Same
D900	1492	1487	Same
D901	1494	1487	Same
D902	1494	1205	Same
D903	1495	285	Same

Label	PointBayI	PointBayJ	IEndStory
D904	1495	1502	Same
D905	1497	1502	Same
D906	1497	1503	Same
D907	1499	1503	Same
D908	1499	1504	Same
D909	1501	1504	Same
D910	1501	147	Same
D911	1505	147	Same
D912	1505	1512	Same
D913	1507	1512	Same
D914	1507	1513	Same
D915	1509	1513	Same
D916	1509	1514	Same
D917	1511	1514	Same
D918	1511	421	Same
D919	1515	421	Same
D920	1515	1522	Same
D921	1517	1522	Same
D922	1517	1523	Same
D923	1519	1523	Same
D924	1519	1524	Same
D925	1521	1524	Same
D926	1521	557	Same
D927	1525	557	Same
D928	1525	1532	Same
D929	1527	1532	Same
D930	1527	1533	Same
D931	1529	1533	Same
D932	1529	1534	Same
D933	1531	1534	Same
D934	1531	693	Same
D935	1535	693	Same
D936	1535	1542	Same
D937	1537	1542	Same
D938	1537	1543	Same
D939	1539	1543	Same
D940	1539	1544	Same
D941	1541	1544	Same
D942	1541	829	Same
D943	1545	829	Same
D944	1545	1552	Same
D945	1547	1552	Same
D946	1547	1553	Same
D947	1549	1553	Same
D948	1549	1554	Same
D949	1551	1554	Same
D950	1551	965	Same
D951	1555	965	Same
D952	1555	1562	Same
D953	1557	1562	Same
D954	1557	1563	Same
D955	1559	1563	Same
D956	1559	1584	Same
D957	1561	1584	Same
D958	1561	1101	Same
D959	1565	1101	Same
D960	1565	1572	Same
D961	1567	1572	Same
D962	1567	1573	Same
D963	1569	1573	Same
D964	1569	1574	Same

Label	PointBayI	PointBayJ	IEndStory
D965	1571	1574	Same
D966	1571	1237	Same
D967	1575	300	Same
D968	1575	1582	Same
D969	1577	1582	Same
D970	1577	1583	Same
D971	1579	1583	Same
D972	1579	1584	Same
D973	1581	1584	Same
D974	1581	162	Same
D975	1585	162	Same
D976	1585	1592	Same
D977	1587	1592	Same
D978	1587	1593	Same
D979	1589	1593	Same
D980	1589	1594	Same
D981	1591	1594	Same
D982	1591	436	Same
D983	1595	436	Same
D984	1595	1602	Same
D985	1597	1602	Same
D986	1597	1603	Same
D987	1599	1603	Same
D988	1599	1604	Same
D989	1601	1604	Same
D990	1601	572	Same
D991	1605	572	Same
D992	1605	1612	Same
D993	1607	1612	Same
D994	1607	1613	Same
D995	1609	1613	Same
D996	1609	1614	Same
D997	1611	1614	Same
D998	1611	708	Same
D999	1615	708	Same
D1000	1615	1622	Same
D1001	1617	1622	Same
D1002	1617	1623	Same
D1003	1619	1623	Same
D1004	1619	1624	Same
D1005	1621	1624	Same
D1006	1621	844	Same
D1007	1625	844	Same
D1008	1625	1632	Same
D1009	1627	1632	Same
D1010	1627	1633	Same
D1011	1629	1633	Same
D1012	1629	1634	Same
D1013	1631	1634	Same
D1014	1631	980	Same
D1015	1635	980	Same
D1016	1635	1642	Same
D1017	1637	1642	Same
D1018	1637	1643	Same
D1019	1639	1643	Same
D1020	1639	1644	Same
D1021	1641	1644	Same
D1022	1641	1116	Same
D1023	1645	1116	Same
D1024	1645	1652	Same
D1025	1647	1652	Same

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Label	PointBayI	PointBayJ	IEndStory
D1026	1647	1653	Same
D1027	1649	1653	Same
D1028	1649	1654	Same
D1029	1651	1654	Same
D1030	1651	1252	Same
D1031	1656	254	Same
D1032	1656	1655	Same
D1033	1660	1655	Same
D1034	1660	1656	Same
D1035	1662	1656	Same
D1036	1662	1657	Same
D1038	1664	1657	Same
D1039	1664	116	Same
D1040	1669	116	Same
D1041	1669	1666	Same
D1042	1671	1666	Same
D1043	1671	1667	Same
D1044	1673	1667	Same
D1045	1673	1668	Same
D1046	1675	1668	Same
D1047	1675	390	Same
D1048	1679	390	Same
D1049	1679	1676	Same
D1050	1681	1676	Same
D1051	1681	1677	Same
D1052	1683	1677	Same
D1053	1683	1678	Same
D1054	1685	1678	Same
D1055	1685	526	Same
D1056	1689	526	Same
D1057	1689	1686	Same
D1058	1691	1686	Same
D1059	1691	1687	Same
D1060	1693	1687	Same
D1061	1693	1688	Same
D1062	1695	1688	Same
D1063	1695	662	Same
D1064	1699	662	Same
D1065	1699	1696	Same
D1066	1701	1696	Same
D1067	1701	1697	Same
D1068	1703	1697	Same
D1069	1703	1698	Same
D1070	1705	1698	Same
D1071	1705	798	Same
D1072	1709	798	Same
D1073	1709	1706	Same
D1074	1711	1706	Same
D1075	1711	1707	Same
D1076	1713	1707	Same
D1077	1713	1708	Same
D1078	1715	1708	Same
D1079	1715	934	Same
D1080	1719	934	Same
D1081	1719	1716	Same
D1082	1721	1716	Same
D1083	1721	1717	Same
D1084	1723	1717	Same
D1085	1723	1718	Same
D1086	1725	1718	Same
D1087	1725	1070	Same

Label	PointBayI	PointBayJ	IEndStory
D1088	1729	1070	Same
D1089	1729	1726	Same
D1090	1731	1726	Same
D1091	1731	1727	Same
D1092	1733	1727	Same
D1093	1733	1728	Same
D1094	1735	1728	Same
D1095	1735	1206	Same
D1104	1753	255	Same
D1105	1753	1750	Same
D1106	1755	1750	Same
D1107	1755	1751	Same
D1108	1757	1751	Same
D1109	1757	1752	Same
D1110	1759	1752	Same
D1111	1759	117	Same
D1112	1763	117	Same
D1113	1763	1760	Same
D1114	1765	1760	Same
D1115	1765	1761	Same
D1116	1767	1761	Same
D1117	1767	1762	Same
D1118	1769	1762	Same
D1119	1769	391	Same
D1120	1773	391	Same
D1121	1773	1770	Same
D1122	1775	1770	Same
D1123	1775	1771	Same
D1124	1777	1771	Same
D1125	1777	1772	Same
D1126	1779	1772	Same
D1127	1779	527	Same
D1128	1783	527	Same
D1129	1783	1780	Same
D1130	1785	1780	Same
D1131	1785	1781	Same
D1132	1787	1781	Same
D1133	1787	1782	Same
D1134	1789	1782	Same
D1135	1789	663	Same
D1136	1793	663	Same
D1137	1793	1790	Same
D1138	1795	1790	Same
D1139	1795	1791	Same
D1140	1797	1791	Same
D1141	1797	1792	Same
D1142	1799	1792	Same
D1143	1799	799	Same
D1144	1803	799	Same
D1145	1803	1800	Same
D1146	1805	1800	Same
D1147	1805	1801	Same
D1148	1807	1801	Same
D1149	1807	1802	Same
D1150	1809	1802	Same
D1151	1809	935	Same
D1152	1813	935	Same
D1153	1813	1810	Same
D1154	1815	1810	Same
D1155	1815	1811	Same
D1156	1817	1811	Same

Label	PointBayI	PointBayJ	IEndStory
D1157	1817	1812	Same
D1158	1819	1812	Same
D1159	1819	1071	Same
D1160	1823	1071	Same
D1161	1823	1820	Same
D1162	1825	1820	Same
D1163	1825	1821	Same
D1164	1827	1821	Same
D1165	1827	1822	Same
D1166	1829	1822	Same
D1167	1829	1207	Same

1.5 Area Connectivity

Table 1.9 - Floor Bays

Label	NumPoints	PointNumber	PointBay
F3	4	1	22
F3		2	11
F3		3	10
F3		4	21
F4	4	1	33
F4		2	22
F4		3	21
F4		4	32
F5	4	1	44
F5		2	33
F5		3	32
F5		4	43
F6	4	1	55
F6		2	44
F6		3	43
F6		4	54
F7	4	1	66
F7		2	55
F7		3	54
F7		4	65
F8	4	1	77
F8		2	66
F8		3	65
F8		4	76
F9	4	1	88
F9		2	77
F9		3	76
F9		4	87
F10	4	1	99
F10		2	88
F10		3	87
F10		4	98
F11	4	1	110
F11		2	99
F11		3	98
F11		4	109
F12	4	1	21
F12		2	10
F12		3	9
F12		4	20
F13	4	1	32
F13		2	21
F13		3	20
F13		4	31
F14	4	1	43

Label	NumPoints	PointNumber	PointBay
F14		2	32
F14		3	31
F14		4	42
F15	4	1	54
F15		2	43
F15		3	42
F15		4	53
F16	4	1	65
F16		2	54
F16		3	53
F16		4	64
F17	4	1	76
F17		2	65
F17		3	64
F17		4	75
F18	4	1	87
F18		2	76
F18		3	75
F18		4	86
F19	4	1	98
F19		2	87
F19		3	86
F19		4	97
F20	4	1	109
F20		2	98
F20		3	97
F20		4	108
F21	4	1	20
F21		2	9
F21		3	1
F21		4	5
F22	4	1	31
F22		2	20
F22		3	5
F22		4	8
F23	4	1	42
F23		2	31
F23		3	8
F23		4	12
F24	4	1	53
F24		2	42
F24		3	12
F24		4	16
F25	4	1	64
F25		2	53
F25		3	16
F25		4	19
F26	4	1	75
F26		2	64
F26		3	19
F26		4	23
F27	4	1	86
F27		2	75
F27		3	23
F27		4	27
F28	4	1	97
F28		2	86
F28		3	27
F28		4	30
F29	4	1	108
F29		2	97

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Label	NumPoints	PointNumber	PointBay
F29		3	30
F29		4	34
F30	4	1	7
F30		2	18
F30		3	5
F30		4	1
F31	4	1	18
F31		2	7
F31		3	6
F31		4	17
F32	4	1	16
F32		2	29
F32		3	8
F32		4	5
F33	4	1	29
F33		2	16
F33		3	17
F33		4	28
F34	4	1	29
F34		2	40
F34		3	12
F34		4	8
F35	4	1	40
F35		2	29
F35		3	28
F35		4	39
F36	4	1	40
F36		2	51
F36		3	16
F36		4	12
F37	4	1	51
F37		2	40
F37		3	39
F37		4	50
F38	4	1	51
F38		2	62
F38		3	19
F38		4	16
F39	4	1	62
F39		2	51
F39		3	50
F39		4	61
F40	4	1	62
F40		2	73
F40		3	23
F40		4	19
F41	4	1	73
F41		2	62
F41		3	61
F41		4	72
F42	4	1	73
F42		2	84
F42		3	27
F42		4	23
F43	4	1	84
F43		2	73
F43		3	72
F43		4	83
F44	4	1	84
F44		2	95
F44		3	30

Label	NumPoints	PointNumber	PointBay
F44		4	27
F45	4	1	95
F45		2	84
F45		3	83
F45		4	94
F46	4	1	95
F46		2	106
F46		3	34
F46		4	30
F47	4	1	106
F47		2	95
F47		3	94
F47		4	105
F48	4	1	17
F48		2	6
F48		3	4
F48		4	15
F49	4	1	28
F49		2	17
F49		3	15
F49		4	26
F50	4	1	39
F50		2	28
F50		3	26
F50		4	37
F51	4	1	50
F51		2	39
F51		3	37
F51		4	48
F52	4	1	61
F52		2	50
F52		3	48
F52		4	59
F53	4	1	72
F53		2	61
F53		3	59
F53		4	70
F54	4	1	83
F54		2	72
F54		3	70
F54		4	81
F55	4	1	94
F55		2	83
F55		3	81
F55		4	92
F56	4	1	105
F56		2	94
F56		3	92
F56		4	103
F57	4	1	15
F57		2	4
F57		3	3
F57		4	14
F58	4	1	26
F58		2	15
F58		3	14
F58		4	25
F59	4	1	37
F59		2	26
F59		3	25
F59		4	36

Label	NumPoints	PointNumber	PointBay
F60	4	1	48
F60		2	37
F60		3	36
F60		4	47
F61	4	1	59
F61		2	48
F61		3	47
F61		4	58
F62	4	1	70
F62		2	59
F62		3	58
F62		4	69
F63	4	1	81
F63		2	70
F63		3	69
F63		4	80
F64	4	1	92
F64		2	81
F64		3	80
F64		4	91
F65	4	1	103
F65		2	92
F65		3	91
F65		4	102
F66	4	1	14
F66		2	3
F66		3	2
F66		4	13
F67	4	1	25
F67		2	14
F67		3	13
F67		4	24
F68	4	1	36
F68		2	25
F68		3	24
F68		4	35
F69	4	1	47
F69		2	36
F69		3	35
F69		4	46
F70	4	1	58
F70		2	47
F70		3	46
F70		4	57
F71	4	1	69
F71		2	58
F71		3	57
F71		4	68
F72	4	1	80
F72		2	69
F72		3	68
F72		4	79
F73	4	1	91
F73		2	80
F73		3	79
F73		4	90
F74	4	1	102
F74		2	91
F74		3	90
F74		4	101
F75	4	1	57

Label	NumPoints	PointNumber	PointBay
F75		2	46
F75		3	45
F75		4	56
F76	4	1	68
F76		2	57
F76		3	56
F76		4	67
F77	4	1	79
F77		2	68
F77		3	67
F77		4	78
F78	4	1	90
F78		2	79
F78		3	78
F78		4	89
F79	4	1	101
F79		2	90
F79		3	89
F79		4	100

1.6 Mass

Table 1.10 - Mass Source Definition

Name	Is Default	Include Lateral Mass?	Include Vertical Mass?	Lump Mass?	Source Self Mass?	Source Added Mass?	Source Load Patterns?	Move Mass Centroid?	Load Pattern	Multiplier
MsSrc1	Yes	Yes	No	Yes	No	No	Yes	No	Dead	1
MsSrc1									SDL	1

Table 1.11 - Mass Summary by Story

Story	UX kgf-s2/m	UY kgf-s2/m	UZ kgf-s2/m
Story3	804.85	804.85	0
Story2	12428.32	12428.32	0
Story1	100122.7	100122.7	0
Base	2357.04	2357.04	0

Table 1.12 - Mass Summary by Group

Group	Self Mass kgf-s2/m	Self Weight kgf	Mass X kgf-s2/m	Mass Y kgf-s2/m	Mass Z kgf-s2/m
All	0	1134756.06	115712.91	115712.91	0

1.7 Groups

Table 1.13 - Group Definitions

Name	Color	Steel Design?	Concrete Design?	Composite Design?
All	Yellow	No	No	No

2 Properties

This chapter provides property information for materials, frame sections, shell sections, and links.

2.1 Materials

Table 2.1 - Material Properties - General

Material	Type	SymType	Grade	Color	Notes
4000Psi	Concrete	Isotropic	f'c 4000 psi	Magenta	
A416Gr270	Tendon	Uniaxial	Grade 270	Gray8Dark	
A615Gr60	Rebar	Uniaxial	Grade 60	Yellow	
A992Fy50	Steel	Isotropic	Grade 50	Red	
C240	Concrete	Isotropic	C240	Cyan	
C280	Concrete	Isotropic	C280	Cyan	
C320	Concrete	Isotropic	C320	Cyan	
C350	Concrete	Isotropic	C350	Cyan	
SD30	Rebar	Uniaxial	SD30	Green	
SD40	Rebar	Uniaxial	SD40	Green	
SD50	Rebar	Uniaxial	SD50	Green	
SM400	Steel	Isotropic	SM400	Magenta	
SM490	Steel	Isotropic	SM490	Magenta	
SM520	Steel	Isotropic	SM520	Magenta	
SM570	Steel	Isotropic	SM570	Magenta	
SR24	Rebar	Uniaxial	SR24	Green	
SS400	Steel	Isotropic	SS400	Magenta	
SS490	Steel	Isotropic	SS490	Magenta	
SS540	Steel	Isotropic	SS540	Magenta	

2.2 Frame Sections

Table 2.2 - Frame Section Property Definitions - Summary (Part 1 of 4)

Name	Material	Shape	Color	Area m2	J m4	I33 m4	I22 m4	As2 m2
B200x500	4000Psi	Concrete Rectangular	Red	0.1	0.000998	0.002083	0.000333	0.0833
B250x600	4000Psi	Concrete Rectangular	Blue	0.15	0.002307	0.0045	0.000781	0.125
C100x50x5x7	SM400	Steel Channel	Magenta	0.0011	1.412E-08	2E-06	2.816E-07	0.0005
C125x65x6x8	SM400	Steel Channel	Red	0.0017	2.847E-08	4E-06	1E-06	0.0007
C150x75x6.5x10	SM400	Steel Channel	Yellow	0.0023	5.824E-08	9E-06	1E-06	0.001
C300x300	4000Psi	Concrete Rectangular	Green	0.09	0.001141	0.000675	0.000675	0.075
C450x450	4000Psi	Concrete Rectangular	Blue	0.2025	0.005775	0.003417	0.003417	0.1687
ConcBm	4000Psi	Concrete Rectangular	Red	0.1875	0.004746	0.003906	0.002197	0.1562
ConcCol	4000Psi	Concrete Rectangular	Cyan	0.1406	0.002765	0.001648	0.001648	0.1172
Pipe 101.6x4	SS400	Steel Pipe	Gray8Dark	0.0012	3E-06	1E-06	1E-06	0.0006
Pipe 114.3x3.6	SS400	Steel Pipe	Cyan	0.0013	4E-06	2E-06	2E-06	0.0006
Pipe 34.0x2.3	SS400	Steel Pipe	Red	0.0002	5.785E-08	2.892E-08	2.892E-08	0.0001
Pipe 42.7x2.3	SS400	Steel Pipe	Green	0.0003	1.195E-07	5.975E-08	5.975E-08	0.0001
Pipe 42.7x2.8	SS400	Steel Pipe	Yellow	0.0004	1.404E-07	7.019E-08	7.019E-08	0.0002
Pipe 48.6x2.3	SS400	Steel Pipe	Magenta	0.0003	1.797E-07	8.987E-08	8.987E-08	0.0002
Pipe 48.6x2.8	SS400	Steel Pipe	Red	0.0004	2.121E-07	1.06E-07	1.06E-07	0.0002
Pipe 60.5x2.3	SS400	Steel Pipe	Cyan	0.0004	3.567E-07	1.783E-07	1.783E-07	0.0002
Pipe 76.3x2.8	SS400	Steel Pipe	Blue	0.0006	1E-06	4.372E-07	4.372E-07	0.0003
Pipe 89.1x3.2	SS400	Steel Pipe	Magenta	0.0008	1E-06	1E-06	1E-06	0.0004
Pipe 89.1x3.2	SS400	Steel Pipe	Magenta	0.0008	2E-06	1E-06	1E-06	0.0004
SteelBm	A992Fy50	Steel I/Wide Flange	Green	0.0071	2.567E-07	0.000303	1E-05	0.0031
SteelCol	A992Fy50	Steel I/Wide Flange	Blue	0.0306	6E-06	0.001506	0.000521	0.0063
Tube 100x50x2.3	SS400	Steel Tube	Yellow	0.0007	1E-06	1E-06	2.977E-07	0.0004
Tube 125x125x4.5	SS400	Steel Tube	Red	0.0022	8E-06	5E-06	5E-06	0.0011
Tube 125x40x3.2	SS400	Steel Tube	Cyan	0.0022	8E-06	5E-06	5E-06	0.0011
Tube 150x150x4.5	SS400	Steel Tube	Magenta	0.0026	1.4E-05	9E-06	9E-06	0.0013

Table 2.2 - Frame Section Property Definitions - Summary (Part 2 of 4)

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