

十、鋼構設計結果

PROJECT TITLE :

	Company		Client	
	Author	user	File Name	Untitled.acs

midas Gen - Steel Code Checking

[TWN-LSD96]

Gen 2013

MIDAS(Modeling, Integrated Design & Analysis Software)
midas Gen - Design & checking system for windows
Steel Member Applicable Code Checking
Based On TWN-ASD96, TWN-LSD96, TWN-ASD90, TWN-LSD90,
GB50017-03, GBJ17-88, AISC(13th)-LRFD05,
AISC(13th)-ASD05, AISC-LRFD2K, AISC-LRFD93,
AISC-ASD89, AISI-CFSD86, BS5950-90
(c)SINCE 1989
MIDAS Information Technology Co.,Ltd. (MIDAS IT)
MIDAS IT Design Development Team
HomePage : www.MidasUser.com
Gen 2013

*. DEFINITION OF LOAD COMBINATIONS WITH SCALING UP FACTORS.

LCB	C	Loadcase Name(Factor) + Loadcase Name(Factor) + Loadcase Name(Factor)		
1	1	DL(1.400)		
2	1	DL(1.200) +	LL(1.600)	
3	1	DL(1.200) +	LL(0.500) +	WXP(1.600)
4	1	DL(1.200) +	LL(0.500) +	WXN(1.600)
5	1	DL(1.200) +	LL(0.500) +	WYP(1.600)
6	1	DL(1.200) +	LL(0.500) +	WYN(1.600)
7	1	DL(0.900) +	WXP(1.600)	
8	1	DL(0.900) +	WXN(1.600)	
9	1	DL(0.900) +	WYP(1.600)	
10	1	DL(0.900) +	WYN(1.600)	

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midas Gen - Steel Code Checking

[TWN-LSD96]

Gen 2013

*.PROJECT :

*.UNIT SYSTEM : tonf, m

[TWN-LSD96] CODE CHECKING SUMMARY SHEET --- SELECTED MEMBERS IN ANALYSIS MODEL.

MEMB	SECT	Section			Len	Ly	Cb	Ky	Bly	B2y	Pu	Muy	Muz	Def
CHK	COM	SHR	Material	Fy	LCB	Lb	Lz	Kz	B1z	B2z	pPn	pMny	pMnz	Defa
39	1	ISC1, RH	450x200x9x14	5.30000	5.30000	1.00	1.00	1.00	1.00	1.00	-3.4621	-12.953	-0.5948	-
OK	0.60	0.05	SN400	24000.0	4	5.30000	5.30000	1.00	1.00	1.00	95.2150	26.8367	6.05880	-
40	1	ISC1, RH	450x200x9x14	5.30000	5.30000	1.00	1.00	1.00	1.00	1.00	-6.6984	-12.328	-0.0041	-
OK	0.50	0.08	SN400	24000.0	2	5.30000	5.30000	1.00	1.00	1.00	95.2150	26.8367	6.05880	-
41	1	ISC1, RH	450x200x9x14	5.30000	5.30000	1.00	1.00	1.00	1.00	1.00	-6.6922	-12.059	0.00150	-
OK	0.48	0.08	SN400	24000.0	2	5.30000	5.30000	1.00	1.00	1.00	95.2150	26.8367	6.05880	-
42	1	ISC1, RH	450x200x9x14	5.30000	5.30000	1.00	1.00	1.00	1.00	1.00	-7.4938	-12.852	0.00000	-
OK	0.52	0.09	SN400	24000.0	2	5.30000	5.30000	1.00	1.00	1.00	95.2150	26.8367	4.03920	-
43	1	ISC1, RH	450x200x9x14	5.30000	5.30000	1.00	1.00	1.00	1.00	1.00	-7.1536	-14.123	-0.0017	-
OK	0.56	0.09	SN400	24000.0	2	5.30000	5.30000	1.00	1.00	1.00	95.2150	26.8367	6.05880	-
44	1	ISC1, RH	450x200x9x14	5.30000	5.30000	1.00	1.00	1.00	1.00	1.00	-7.3059	-13.941	0.00276	-
OK	0.56	0.10	SN400	24000.0	2	5.30000	5.30000	1.00	1.00	1.00	95.2150	26.8367	6.05880	-
45	1	ISC1, RH	450x200x9x14	5.30000	5.30000	1.00	1.00	1.00	1.00	1.00	-4.2573	-16.142	0.59407	-
OK	0.72	0.08	SN400	24000.0	3	5.30000	5.30000	1.00	1.00	1.00	95.2150	26.8367	6.05880	-
46	1	ISC1, RH	450x200x9x14	6.70000	6.70000	1.00	1.00	1.00	1.00	1.00	-3.2307	12.1604	-0.4537	-
OK	0.64	0.06	SN400	24000.0	4	6.70000	6.70000	1.00	1.00	1.00	62.5972	22.7454	6.05880	-
47	1	ISC1, RH	450x200x9x14	6.70000	6.70000	1.00	1.00	1.00	1.00	1.00	-7.6210	15.3917	0.05321	-
OK	0.75	0.09	SN400	24000.0	2	6.70000	6.70000	1.00	1.00	1.00	62.5972	22.7454	6.05880	-
48	1	ISC1, RH	450x200x9x14	6.70000	6.70000	1.00	1.00	1.00	1.00	1.00	-7.5769	15.2339	0.04455	-
OK	0.74	0.09	SN400	24000.0	2	6.70000	6.70000	1.00	1.00	1.00	62.5972	22.7454	6.05880	-
49	1	ISC1, RH	450x200x9x14	6.70000	6.70000	1.00	1.00	1.00	1.00	1.00	1.22181	-12.409	-0.2056	-
OK	0.58	0.06	SN400	24000.0	9	6.70000	6.70000	1.00	1.00	1.00	206.064	22.7454	6.05880	-
50	1	ISC1, RH	450x200x9x14	6.70000	6.70000	1.00	1.00	1.00	1.00	1.00	4.29860	-9.2966	-0.2011	-
OK	0.45	0.03	SN400	24000.0	9	6.70000	6.70000	1.00	1.00	1.00	206.064	22.7454	6.05880	-
51	1	ISC1, RH	450x200x9x14	6.70000	6.70000	1.00	1.00	1.00	1.00	1.00	3.09484	-6.1814	1.07529	-
OK	0.46	0.02	SN400	24000.0	8	6.70000	6.70000	1.00	1.00	1.00	206.064	22.7454	6.05880	-
52	1	ISC1, RH	450x200x9x14	6.70000	6.70000	1.00	1.00	1.00	1.00	1.00	-2.7096	10.1560	1.96036	-
OK	0.79	0.06	SN400	24000.0	3	6.70000	6.70000	1.00	1.00	1.00	62.5972	22.7454	6.05880	-

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midas Gen - Steel Code Checking

[TWN-LSD96]

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[TWN-LSD96] CODE CHECKING SUMMARY SHEET --- SELECTED MEMBERS IN ANALYSIS MODEL.

MEMB	SECT	Section			Len	Ly	Cb	Ky	Bly	B2y	Pu	Muy	Muz	Def
CHK	COM	SHR	Material	Fy	LCB	Lb	Lz	Kz	B1z	B2z	pPn	pMny	pMnz	Defa
53	1	ISC1, RH	450x200x9x14	5.30000	5.30000	1.00	1.00	1.00	1.00	1.00	-2.9446	12.7987	-2.1975	-
OK	0.86	0.05	SN400	24000.0	3	5.30000	5.30000	1.00	1.00	1.00	95.2150	26.8367	6.05880	-
54	1	ISC1, RH	450x200x9x14	5.30000	5.30000	1.00	1.00	1.00	1.00	1.00	2.35397	-7.6935	3.39503	-
OK	0.85	0.08	SN400	24000.0	8	5.30000	5.30000	1.00	1.00	1.00	206.064	26.8367	6.05880	-
55	1	ISC1, RH	450x200x9x14	5.30000	5.30000	1.00	1.00	1.00	1.00	1.00	1.74881	-4.8139	3.38668	-
OK	0.74	0.08	SN400	24000.0	8	5.30000	5.30000	1.00	1.00	1.00	206.064	26.8367	6.05880	-
56	1	ISC1, RH	450x200x9x14	5.30000	5.30000	1.00	1.00	1.00	1.00	1.00	-3.6218	12.9784	0.50742	-
OK	0.59	0.06	SN400	24000.0	6	5.30000	5.30000	1.00	1.00	1.00	95.2150	26.8367	6.05880	-
57	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	1.00	-3.1215	-12.799	-0.0230	-
OK	0.37	0.06	SN400	24000.0	3	1.00000	1.00000	1.00	1.00	1.00	189.726	35.6400	6.05880	-
58	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	1.00	-2.5551	-8.9530	0.03658	-
OK	0.26	0.06	SN400	24000.0	3	1.00000	1.00000	1.00	1.00	1.00	189.726	35.6400	6.05880	-
59	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	1.00	-3.1176	-13.088	-0.0008	-
OK	0.38	0.13	SN400	24000.0	2	1.00000	1.00000	1.00	1.00	1.00	189.726	35.6400	6.05880	-
60	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	1.00	-1.7161	-22.047	0.00437	-
OK	0.62	0.15	SN400	24000.0	2	1.00000	1.00000	1.00	1.00	1.00	189.726	35.6400	6.05880	-
61	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	1.00	-3.1901	-13.353	0.00533	-
OK	0.38	0.13	SN400	24000.0	2	1.00000	1.00000	1.00	1.00	1.00	189.726	35.6400	6.05880	-
62	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	1.00	-1.7663	-22.232	0.00703	-
OK	0.63	0.15	SN400	24000.0	2	1.00000	1.00000	1.00	1.00	1.00	189.726	35.6400	6.05880	-
63	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	1.00	-1.8997	-12.979	-0.0031	-
OK	0.37	0.07	SN400	24000.0	6	1.00000	1.00000	1.00	1.00	1.00	189.726	35.6400	6.05880	-
64	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	1.00	-1.7566	-19.517	0.00878	-
OK	0.55	0.15	SN400	24000.0	2	1.00000	1.00000	1.00	1.00	1.00	189.726	35.6400	6.05880	-
65	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	1.00	-1.7257	-15.235	0.00313	-
OK	0.43	0.14	SN400	24000.0	2	1.00000	1.00000	1.00	1.00	1.00	189.726	35.6400	6.05880	-
66	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	1.00	-1.7308	-15.393	-0.0057	-
OK	0.44	0.14	SN400	24000.0	2	1.00000	1.00000	1.00	1.00	1.00	189.726	35.6400	6.05880	-

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MEMB	SECT	Section			Len	Ly	Cb	Ky	Bly	B2y	Pu	Muy	Muz	Def
CHK	COM	SHR	Material	Fy	LCB	Lb	Lz	Kz	B1z	B2z	pPn	pMny	pMnz	Defa
67	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	1.00	-1.5232	-12.160	-0.0175	-
OK	0.35	0.06	SN400	24000.0	4	1.00000	1.00000	1.00	1.00	1.00	189.726	35.6400	6.05880	-
68	12	RSG1, RH	300x150x6.5x9	6.00000	6.00000	1.00	1.00	1.01	1.00	-3.7691	-1.1227	-0.1022	-	-
OK	0.33	0.01	SN400	24000.0	3	6.00000	6.00000	1.00	1.15	1.00	21.1195	5.68200	2.19024	-
69	12	RSG1, RH	300x150x6.5x9	6.00000	6.00000	1.00	1.00	1.00	1.00	-0.9511	-0.3494	0.07719	-	-
OK	0.12	0.01	SN400	24000.0	4	6.00000	6.00000	1.00	1.03	1.00	21.1195	5.68200	2.19024	-
70	12	RSG1, RH	300x150x6.5x9	6.00000	6.00000	1.00	1.00	1.01	1.00	-2.9565	-0.1334	0.08308	-	-
OK	0.13	0.01	SN400	24000.0	4	6.00000	6.00000	1.00	1.12	1.00	21.1195	5.68200	2.19024	-
71	12	RSG1, RH	300x150x6.5x9	6.00000	6.00000	1.00	1.00	1.01	1.00	-2.8397	-0.1370	0.11059	-	-
OK	0.14	0.01	SN400	24000.0	3	6.00000	6.00000	1.00	1.11	1.00	21.1195	5.68200	2.19024	-
72	12	RSG1, RH	300x150x6.5x9	6.00000	6.00000	1.00	1.00	1.00	1.00	-1.0282	-0.3500	0.08947	-	-
OK	0.13	0.01	SN400	24000.0	3	6.00000	6.00000	1.00	1.04	1.00	21.1195	5.68200	2.19024	-
73	12	RSG1, RH	300x150x6.5x9	6.00000	6.00000	1.00	1.00	1.01	1.00	-3.7525	-1.1217	-0.1006	-	-
OK	0.33	0.01	SN400	24000.0	4	6.00000	6.00000	1.00	1.15	1.00	21.1195	5.68200	2.19024	-
74	12	RSG1, RH	300x150x6.5x9	6.00000	6.00000	1.00	1.00	1.00	1.00	0.36399	-2.2724	-0.0196	-	-
OK	0.41	0.03	SN400	24000.0	4	6.00000	6.00000	1.00	1.00	1.00	101.088	5.68200	2.19024	-
75	12	RSG1, RH	300x150x6.5x9	6.00000	6.00000	1.00	1.00	1.00	1.00	-0.4840	-1.7760	0.00228	-	-
OK	0.33	0.03	SN400	24000.0	3	6.00000	6.00000	1.00	1.02	1.00	21.1195	5.68200	2.19024	-
76	12	RSG1, RH	300x150x6.5x9	6.00000	6.00000	1.00	1.00	1.00	1.00	0.24979	-2.3406	0.00232	-	-
OK	0.41	0.03	SN400	24000.0	7	6.00000	6.00000	1.00	1.00	1.00	101.088	5.68200	2.19024	-
77	12	RSG1, RH	300x150x6.5x9	6.00000	6.00000	1.00	1.00	1.01	1.00	-4.2510	-2.7002	-0.0554	-	-
OK	0.65	0.02	SN400	24000.0	3	6.00000	6.00000	1.00	1.18	1.00	21.1195	5.68200	2.19024	-
78	12	RSG1, RH	300x150x6.5x9	6.00000	6.00000	1.00	1.00	1.01	1.00	-5.0288	1.34608	-0.0695	-	-
OK	0.48	0.02	SN400	24000.0	7	6.00000	6.00000	1.00	1.22	1.00	21.1195	5.68200	2.19024	-
79	12	RSG1, RH	300x150x6.5x9	6.00000	6.00000	1.00	1.00	1.01	1.00	-5.5461	0.24683	0.03800	-	-
OK	0.32	0.01	SN400	24000.0	3	6.00000	6.00000	1.00	1.24	1.00	21.1195	5.68200	2.19024	-
80	12	RSG1, RH	300x150x6.5x9	6.00000	6.00000	1.00	1.00	1.01	1.00	-4.8885	-0.4677	0.08219	-	-
OK	0.34	0.01	SN400	24000.0	3	6.00000	6.00000	1.00	1.21	1.00	21.1195	5.68200	2.19024	-

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CHK	COM	SHR	Material	Fy	LCB	Lb	Lz		Kz	B1z	B2z	pPn	pMny	pMnz	Defa
	81	12	RSG1, RH	300x150x6.5x9	6.00000	6.00000	1.00	1.00	1.01	1.00	-2.2311	-1.0406	0.04974	-	
OK	0.26	0.02	SN400	24000.0	3	6.00000	6.00000		1.00	1.09	1.00	21.1195	5.68200	2.19024	-
	82	12	RSG1, RH	300x150x6.5x9	6.00000	6.00000	1.00	1.00	1.00	1.00	-1.3200	-0.8163	-0.0141	-	
OK	0.18	0.01	SN400	24000.0	8	6.00000	6.00000		1.00	1.05	1.00	21.1195	5.68200	2.19024	-
	83	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	-0.7847	3.42076	0.00073	-	
OK	0.10	0.02	SN400	24000.0	2	1.00000	1.00000		1.00	1.00	1.00	189.726	35.6400	6.05880	-
	84	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	0.71430	-9.0021	0.01938	-	
OK	0.26	0.06	SN400	24000.0	4	1.00000	1.00000		1.00	1.00	1.00	206.064	35.6400	6.05880	-
	85	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	-0.7893	3.41105	0.00088	-	
OK	0.10	0.03	SN400	24000.0	2	1.00000	1.00000		1.00	1.00	1.00	189.726	35.6400	6.05880	-
	86	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	-2.7640	-12.954	0.08804	-	
OK	0.39	0.06	SN400	24000.0	4	1.00000	1.00000		1.00	1.00	1.00	189.726	35.6400	6.05880	-
	87	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	-2.3932	10.8919	0.00000	-	
OK	0.31	0.06	SN400	24000.0	2	1.00000	1.00000		1.00	1.00	1.00	189.726	35.6400	4.03920	-
	88	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	-1.6689	-21.527	0.00000	-	
OK	0.61	0.15	SN400	24000.0	2	1.00000	1.00000		1.00	1.00	1.00	189.726	35.6400	4.03920	-
	89	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	-2.4859	11.0726	0.00167	-	
OK	0.32	0.06	SN400	24000.0	2	1.00000	1.00000		1.00	1.00	1.00	189.726	35.6400	6.05880	-
	90	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	-3.0515	-12.329	-0.0065	-	
OK	0.36	0.13	SN400	24000.0	2	1.00000	1.00000		1.00	1.00	1.00	189.726	35.6400	6.05880	-
	91	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	-2.4320	10.8502	0.00000	-	
OK	0.31	0.06	SN400	24000.0	2	1.00000	1.00000		1.00	1.00	1.00	189.726	35.6400	4.03920	-
	92	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	-1.6807	-21.345	-0.0017	-	
OK	0.60	0.15	SN400	24000.0	2	1.00000	1.00000		1.00	1.00	1.00	189.726	35.6400	6.05880	-
	93	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	-2.5121	11.1533	0.00090	-	
OK	0.32	0.06	SN400	24000.0	2	1.00000	1.00000		1.00	1.00	1.00	189.726	35.6400	6.05880	-
	94	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	-3.0414	-12.060	-0.0084	-	
OK	0.35	0.13	SN400	24000.0	2	1.00000	1.00000		1.00	1.00	1.00	189.726	35.6400	6.05880	-

PROJECT TITLE :

	Company		Client	
	Author	user	File Name	Untitled.acs

midas Gen - Steel Code Checking

[TWN-LSD96]

Gen 2013

*.PROJECT :

*.UNIT SYSTEM : tonf, m

[TWN-LSD96] CODE CHECKING SUMMARY SHEET --- SELECTED MEMBERS IN ANALYSIS MODEL.

	MEMB	SECT	Section			Len	Ly	Cb	Ky	Bly	B2y	Pu	Muy	Muz	Def
CHK	COM	SHR	Material	Fy	LCB	Lb	Lz		Kz	B1z	B2z	pPn	pMny	pMnz	Defa
	95	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	1.00	-1.3414	3.52545	0.00029	-
OK	0.10	0.03	SN400	24000.0	2	1.00000	1.00000		1.00	1.00	1.00	189.726	35.6400	6.05880	-
	96	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	1.00	-0.9492	-12.861	-0.0023	-
OK	0.36	0.08	SN400	24000.0	2	1.00000	1.00000		1.00	1.00	1.00	189.726	35.6400	6.05880	-
	97	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	1.00	-2.4733	12.0146	0.00000	-
OK	0.34	0.05	SN400	24000.0	2	1.00000	1.00000		1.00	1.00	1.00	189.726	35.6400	4.03920	-
	98	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	1.00	-3.1861	-12.853	-0.0101	-
OK	0.37	0.13	SN400	24000.0	2	1.00000	1.00000		1.00	1.00	1.00	189.726	35.6400	6.05880	-
	99	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	1.00	-2.5446	13.5205	0.00000	-
OK	0.39	0.05	SN400	24000.0	2	1.00000	1.00000		1.00	1.00	1.00	189.726	35.6400	4.03920	-
	100	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	1.00	-3.3619	-14.124	-0.0040	-
OK	0.41	0.14	SN400	24000.0	2	1.00000	1.00000		1.00	1.00	1.00	189.726	35.6400	6.05880	-
	101	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	1.00	-2.5283	13.5323	0.00000	-
OK	0.39	0.05	SN400	24000.0	2	1.00000	1.00000		1.00	1.00	1.00	189.726	35.6400	4.03920	-
	102	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	1.00	-3.3502	-13.942	0.00833	-
OK	0.40	0.14	SN400	24000.0	2	1.00000	1.00000		1.00	1.00	1.00	189.726	35.6400	6.05880	-
	103	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	1.00	-1.2050	3.55152	-0.0014	-
OK	0.10	0.03	SN400	24000.0	3	1.00000	1.00000		1.00	1.00	1.00	189.726	35.6400	6.05880	-
	104	11	RSB1, RH	450x200x9x14	5.02173	1.00000	1.00	1.00	1.00	1.00	1.00	-3.4902	-16.142	-0.0862	-
OK	0.48	0.08	SN400	24000.0	3	1.00000	1.00000		1.00	1.00	1.00	189.726	35.6400	6.05880	-
	105	13	RSb1, RH	250x125x6x9	6.00000	6.00000	1.00	1.00	1.02	1.00	1.00	-3.8312	0.15957	0.00000	-
OK*	0.35	0.01	SN400	24000.0	3	6.00000	6.00000		1.00	1.30	1.00	12.2672	3.39926	1.01261	-
	106	13	RSb1, RH	250x125x6x9	6.00000	6.00000	1.00	1.00	1.02	1.00	1.00	-3.5269	0.15935	0.00000	-
OK*	0.33	0.01	SN400	24000.0	3	6.00000	6.00000		1.00	1.27	1.00	12.2672	3.39926	1.01261	-
	107	13	RSb1, RH	250x125x6x9	6.00000	6.00000	1.00	1.00	1.01	1.00	1.00	-2.9238	0.15892	0.00000	-
OK*	0.28	0.01	SN400	24000.0	3	6.00000	6.00000		1.00	1.22	1.00	12.2672	3.39926	1.01261	-
	108	13	RSb1, RH	250x125x6x9	6.00000	6.00000	1.00	1.00	1.02	1.00	1.00	-3.6913	0.15947	0.00000	-
OK*	0.34	0.01	SN400	24000.0	4	6.00000	6.00000		1.00	1.29	1.00	12.2672	3.39926	1.01261	-

PROJECT TITLE :

	Company		Client	
	Author	user	File Name	Untitled.acs

midas Gen - Steel Code Checking

[TWN-LSD96]

Gen 2013

*.PROJECT :

*.UNIT SYSTEM : tonf, m

[TWN-LSD96] CODE CHECKING SUMMARY SHEET --- SELECTED MEMBERS IN ANALYSIS MODEL.

	MEMB	SECT	Section			Len	Ly	Cb	Ky	Bly	B2y		Pu	Muy	Muz	Def
CHK	COM	SHR	Material	Fy	LCB	Lb	Lz		Kz	B1z	B2z		pPn	pMny	pMnz	Defa
OK*	109	13	RSb1, RH	250x125x6x9		6.00000	6.00000	1.00	1.00	1.02	1.00	-3.8312	0.15957	0.00000		-
	0.35	0.01	SN400	24000.0	4	6.00000	6.00000		1.00	1.30	1.00	12.2672	3.39926	1.01261		-
OK*	110	13	RSb1, RH	250x125x6x9		6.00000	6.00000	1.00	1.00	1.02	1.00	-3.7932	0.15955	0.00000		-
	0.35	0.01	SN400	24000.0	4	6.00000	6.00000		1.00	1.30	1.00	12.2672	3.39926	1.01261		-
OK*	111	13	RSb1, RH	250x125x6x9		6.00000	6.00000	1.00	1.00	1.02	1.00	-3.4500	0.15930	0.00000		-
	0.32	0.01	SN400	24000.0	3	6.00000	6.00000		1.00	1.27	1.00	12.2672	3.39926	1.01261		-
OK*	112	13	RSb1, RH	250x125x6x9		6.00000	6.00000	1.00	1.00	1.02	1.00	-3.3281	0.15921	0.00000		-
	0.31	0.01	SN400	24000.0	3	6.00000	6.00000		1.00	1.25	1.00	12.2672	3.39926	1.01261		-
OK*	113	13	RSb1, RH	250x125x6x9		6.00000	6.00000	1.00	1.00	1.01	1.00	-2.7892	0.15882	0.00000		-
	0.27	0.01	SN400	24000.0	3	6.00000	6.00000		1.00	1.20	1.00	12.2672	3.39926	1.01261		-
OK*	114	13	RSb1, RH	250x125x6x9		6.00000	6.00000	1.00	1.00	1.01	1.00	-3.2145	0.15913	0.00000		-
	0.30	0.01	SN400	24000.0	4	6.00000	6.00000		1.00	1.24	1.00	12.2672	3.39926	1.01261		-
OK*	115	13	RSb1, RH	250x125x6x9		6.00000	6.00000	1.00	1.00	1.01	1.00	-3.1890	0.15911	0.00000		-
	0.30	0.01	SN400	24000.0	4	6.00000	6.00000		1.00	1.24	1.00	12.2672	3.39926	1.01261		-
OK*	116	13	RSb1, RH	250x125x6x9		6.00000	6.00000	1.00	1.00	1.01	1.00	-3.1015	0.15905	0.00000		-
	0.29	0.01	SN400	24000.0	4	6.00000	6.00000		1.00	1.23	1.00	12.2672	3.39926	1.01261		-
OK*	117	13	RSb1, RH	250x125x6x9		6.00000	6.00000	1.00	1.00	1.01	1.00	-2.7399	0.15879	0.00000		-
	0.26	0.01	SN400	24000.0	3	6.00000	6.00000		1.00	1.20	1.00	12.2672	3.39926	1.01261		-
OK*	118	13	RSb1, RH	250x125x6x9		6.00000	6.00000	1.00	1.00	1.01	1.00	-2.1778	0.15838	0.00000		-
	0.14	0.01	SN400	24000.0	3	6.00000	6.00000		1.00	1.15	1.00	12.2672	3.39926	1.01261		-
OK*	119	13	RSb1, RH	250x125x6x9		6.00000	6.00000	1.00	1.00	1.01	1.00	-2.5959	0.15868	0.00000		-
	0.25	0.01	SN400	24000.0	4	6.00000	6.00000		1.00	1.19	1.00	12.2672	3.39926	1.01261		-
OK*	120	13	RSb1, RH	250x125x6x9		6.00000	6.00000	1.00	1.00	1.01	1.00	-2.1664	0.15838	0.00000		-
	0.13	0.01	SN400	24000.0	3	6.00000	6.00000		1.00	1.15	1.00	12.2672	3.39926	1.01261		-
OK*	121	13	RSb1, RH	250x125x6x9		6.00000	6.00000	1.00	1.00	1.01	1.00	-1.3201	0.15777	0.00000		-
	0.10	0.01	SN400	24000.0	3	6.00000	6.00000		1.00	1.09	1.00	12.2672	3.39926	1.01261		-
OK*	122	13	RSb1, RH	250x125x6x9		6.00000	6.00000	1.00	1.00	1.01	1.00	-1.3963	0.15783	0.00000		-
	0.10	0.01	SN400	24000.0	4	6.00000	6.00000		1.00	1.09	1.00	12.2672	3.39926	1.01261		-

PROJECT TITLE :

	Company		Client	
	Author	user	File Name	Untitled.acs

midas Gen - Steel Code Checking

[TWN-LSD96]

Gen 2013

*.PROJECT :

*.UNIT SYSTEM : tonf, m

[TWN-LSD96] CODE CHECKING SUMMARY SHEET --- SELECTED MEMBERS IN ANALYSIS MODEL.

MEMB	SECT	Section			Len	Ly	Cb	Ky	Bly	B2y	Pu	Muy	Muz	Def
CHK	COM	SHR	Material	Fy	LCB	Lb	Lz	Kz	B1z	B2z	pPn	pMny	pMnz	Defa
129	2	1SCa, RH	200x200x8x12	5.76667	5.76667	1.00	1.00	1.00	1.00	1.00	-2.5649	-3.1191	0.00000	-
OK	0.34	0.10	SN400	24000.0	3	5.76667	5.76667	1.00	1.00	1.00	67.0146	9.76301	3.45600	-
130	2	1SCa, RH	200x200x8x12	6.23333	6.23333	1.00	1.00	1.00	1.00	1.00	2.53016	-3.6455	0.00000	-
OK	0.39	0.11	SN400	24000.0	7	6.23333	6.23333	1.00	1.00	1.00	137.160	9.53117	3.45600	-
131	2	1SCa, RH	200x200x8x12	6.23333	6.23333	1.00	1.00	1.00	1.00	1.00	-1.0064	-3.6455	0.00000	-
OK	0.39	0.11	SN400	24000.0	3	6.23333	6.23333	1.00	1.00	1.00	59.9747	9.53117	3.45600	-
132	2	1SCa, RH	200x200x8x12	5.76667	5.76667	1.00	1.00	1.00	1.00	1.00	3.61218	-3.1191	0.00000	-
OK	0.33	0.10	SN400	24000.0	7	5.76667	5.76667	1.00	1.00	1.00	137.160	9.76301	3.45600	-
133	2	1SCa, RH	200x200x8x12	5.76667	5.76667	1.00	1.00	1.00	1.00	1.00	-3.5942	3.11909	0.00000	-
OK	0.35	0.10	SN400	24000.0	4	5.76667	5.76667	1.00	1.00	1.00	67.0146	9.76301	3.45600	-
134	2	1SCa, RH	200x200x8x12	6.23333	6.23333	1.00	1.00	1.00	1.00	1.00	3.64898	3.64549	0.00000	-
OK	0.40	0.11	SN400	24000.0	8	6.23333	6.23333	1.00	1.00	1.00	137.160	9.53117	3.45600	-
137	2	1SCa, RH	200x200x8x12	6.23333	6.23333	1.00	1.00	1.00	1.00	1.00	0.38561	4.93689	-0.5856	-
OK	0.63	0.15	SN400	24000.0	3	6.23333	6.23333	1.00	1.00	1.00	137.160	9.53117	5.18400	-
138	2	1SCa, RH	200x200x8x12	5.76667	5.76667	1.00	1.00	1.00	1.00	1.00	0.70678	-6.2949	0.57381	-
OK	0.76	0.16	SN400	24000.0	4	5.76667	5.76667	1.00	1.00	1.00	137.160	9.76301	5.18400	-
193	21	VB, RH	150x150x7x10	8.00562	8.00562	1.00	1.00	1.15	1.00	1.00	-6.4878	0.00000	0.00000	-
OK*	0.49	0.00	SN400	24000.0	4	8.00562	8.00562	1.00	1.58	1.00	13.1806	4.66560	1.62144	-
194	21	VB, RH	150x150x7x10	8.00562	8.00562	1.00	1.00	1.18	1.00	1.00	-7.6332	0.00000	0.00000	-
OK*	0.58	0.00	SN400	24000.0	3	8.00562	8.00562	1.00	1.76	1.00	13.1806	4.66560	1.62144	-
195	21	VB, RH	150x150x7x10	8.00562	8.00562	1.00	1.00	1.18	1.00	1.00	-7.7676	0.00000	0.00000	-
OK*	0.59	0.00	SN400	24000.0	4	8.00562	8.00562	1.00	1.78	1.00	13.1806	4.66560	1.62144	-
196	21	VB, RH	150x150x7x10	8.00562	8.00562	1.00	1.00	1.15	1.00	1.00	-6.7847	0.00000	0.00000	-
OK*	0.51	0.00	SN400	24000.0	3	8.00562	8.00562	1.00	1.62	1.00	13.1806	4.66560	1.62144	-

十一、R.C.地梁及柱頭設計結果

PROJECT TITLE :

	Company		Client	
	Author	user	File Name	Untitled.rcs

midas Gen - RC-Column Design [TWN-USD100]

Gen 2013

MIDAS(Modeling, Integrated Design & Analysis Software)
midas Gen - Design & checking system for windows
RC-Member(Beam/Column/Brace/Wall) Analysis and Design
Based On TWN-USD100, TWN-USD92, GB50010-10,
GB50010-02, ACI318-11, ACI318-08, ACI318-05,
ACI318-02, ACI318-99, ACI318-95, ACI318-89,
BS8110-97
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MIDAS Information Technology Co.,Ltd. (MIDAS IT)
MIDAS IT Design Development Team
HomePage : www.MidasUser.com
Gen 2013

*. DEFINITION OF LOAD COMBINATIONS WITH SCALING UP FACTORS.

LCB	C	Loadcase Name(Factor) + Loadcase Name(Factor) + Loadcase Name(Factor)
1	1	DL(1.400)
2	1	DL(1.200) + LL(1.600)
3	1	DL(1.200) + EXP(1.000) + LL(1.000)
4	1	DL(1.200) + EXN(1.000) + LL(1.000)
5	1	DL(1.200) + EYP(1.000) + LL(1.000)
6	1	DL(1.200) + EYN(1.000) + LL(1.000)
7	1	DL(1.200) + EXP(-1.000) + LL(1.000)
8	1	DL(1.200) + EXN(-1.000) + LL(1.000)
9	1	DL(1.200) + EYP(-1.000) + LL(1.000)
10	1	DL(1.200) + EYN(-1.000) + LL(1.000)
11	1	DL(0.900) + EXP(1.000)
12	1	DL(0.900) + EXN(1.000)
13	1	DL(0.900) + EYP(1.000)
14	1	DL(0.900) + EYN(1.000)
15	1	DL(0.900) + EXP(-1.000)
16	1	DL(0.900) + EXN(-1.000)
17	1	DL(0.900) + EYP(-1.000)
18	1	DL(0.900) + EYN(-1.000)

PROJECT TITLE :

	Company		Client	
	Author	user	File Name	Untitled.rcs

midas Gen - RC-Column Design [TWN-USD100]

Gen 2013

*.PROJECT :

*.UNIT SYSTEM : tonf, m

[TWN-USD100] RC-COLUMN DESIGN SUMMARY SHEET --- SELECTED MEMBERS IN ANALYSIS MODEL.

MEMB SECT	Section Name		fc	fy	LCB	Pu	Mc	Ast	Vu	As-H
	Bc	Hc	Height	fys		Rat-P	Rat-M	V-Rebar	Rat-V	H-Rebar
1	OC1, RT		2100.00	42000.0	2	11.5670	12.0171	0.0040	9.21502	0.0000
51	0.7000	0.5000	2.00000	28000.0		0.195	0.196	14- 5-D19	0.199	3-D10 @110
2	OC1, RT		2100.00	42000.0	2	13.7866	4.23180	0.0040	2.36363	0.0000
51	0.7000	0.5000	2.00000	28000.0		0.070	0.069	14- 5-D19	0.051	3-D10 @110
3	OC1, RT		2100.00	42000.0	2	13.8769	4.36154	0.0040	2.42218	0.0000
51	0.7000	0.5000	2.00000	28000.0		0.071	0.071	14- 5-D19	0.052	3-D10 @110
4	OC1, RT		2100.00	42000.0	2	11.3203	10.9970	0.0040	8.16653	0.0000
51	0.7000	0.5000	2.00000	28000.0		0.178	0.178	14- 5-D19	0.176	3-D10 @110
5	OC1, RT		2100.00	42000.0	2	23.7211	0.39778	0.0040	1.18016	0.0000
51	0.7000	0.5000	2.00000	28000.0		0.058	0.051	14- 4-D19	0.031	3-D10 @110
6	OC1, RT		2100.00	42000.0	2	22.4874	0.33793	0.0040	0.41935	0.0000
51	0.7000	0.5000	2.00000	28000.0		0.055	0.047	14- 4-D19	0.011	3-D10 @110
7	OC1, RT		2100.00	42000.0	2	22.3960	0.19204	0.0040	0.09518	0.0000
51	0.7000	0.5000	2.00000	28000.0		0.055	0.030	14- 5-D19	0.002	3-D10 @110
8	OC1, RT		2100.00	42000.0	2	29.0306	1.22919	0.0040	1.55859	0.0000
51	0.7000	0.5000	2.00000	28000.0		0.071	0.064	14- 5-D19	0.033	3-D10 @110
9	OC1, RT		2100.00	42000.0	2	14.0409	4.26607	0.0040	2.21804	0.0000
51	0.7000	0.5000	2.00000	28000.0		0.071	0.070	14- 5-D19	0.048	3-D10 @110
10	OC1, RT		2100.00	42000.0	2	14.1560	4.05768	0.0040	2.22383	0.0000
51	0.7000	0.5000	2.00000	28000.0		0.069	0.070	14- 5-D19	0.048	3-D10 @110
11	OC1, RT		2100.00	42000.0	2	11.9188	12.2232	0.0040	11.6135	0.0006
51	0.7000	0.5000	2.00000	28000.0		0.198	0.199	14- 5-D19	0.251	3-D10 @110
12	OC1, RT		2100.00	42000.0	2	11.4552	12.1740	0.0040	9.17857	0.0000
51	0.7000	0.5000	2.00000	28000.0		0.201	0.201	14- 5-D19	0.198	3-D10 @110
13	OC1, RT		2100.00	42000.0	2	13.9482	3.94699	0.0040	2.21608	0.0000
51	0.7000	0.5000	2.00000	28000.0		0.066	0.067	14- 5-D19	0.048	3-D10 @110
14	OC1, RT		2100.00	42000.0	2	13.9079	4.01947	0.0040	2.18147	0.0000
51	0.7000	0.5000	2.00000	28000.0		0.068	0.068	14- 5-D19	0.047	3-D10 @110

PROJECT TITLE :

	Company		Client	
	Author	user	File Name	Untitled.rcs

midas Gen - RC-Column Design [TWN-USD100]

Gen 2013

*.PROJECT :

*.UNIT SYSTEM : tonf, m

[TWN-USD100] RC-COLUMN DESIGN SUMMARY SHEET --- SELECTED MEMBERS IN ANALYSIS MODEL.

MEMB SECT	Section Name Bc Hc	fc Height	fy fys	LCB	Pu Rat-P	Mc Rat-M	Ast V-Rebar	Vu Rat-V	As-H H-Rebar
15 51	OC1, RT 0.7000 0.5000	2100.00 2.00000	42000.0 28000.0	1	14.4402 0.132	9.46689 0.132	0.0040 14- 5-D19	7.64447 0.165 3-D10	0.0000 @110
16 51	OC1, RT 0.7000 0.5000	2100.00 2.00000	42000.0 28000.0	2	14.3385 0.074	4.74534 0.075	0.0040 14- 5-D19	2.55985 0.055 3-D10	0.0000 @110
17 51	OC1, RT 0.7000 0.5000	2100.00 2.00000	42000.0 28000.0	2	14.7315 0.074	4.57959 0.075	0.0040 14- 5-D19	2.53486 0.055 3-D10	0.0000 @110
18 51	OC1, RT 0.7000 0.5000	2100.00 2.00000	42000.0 28000.0	2	11.6020 0.215	13.0869 0.217	0.0040 14- 5-D19	11.2316 0.243 3-D10	0.0006 @110

PROJECT TITLE :

	Company		Client	
	Author	user	File Name	Untitled.rcs

midas Gen - RC-Beam Design [TWN-USD100]

Gen 2013

MIDAS(Modeling, Integrated Design & Analysis Software)
midas Gen - Design & checking system for windows
RC-Member(Beam/Column/Brace/Wall) Analysis and Design
Based On TWN-USD100, TWN-USD92, GB50010-10,
GB50010-02, ACI318-11, ACI318-08, ACI318-05,
ACI318-02, ACI318-99, ACI318-95, ACI318-89,
BS8110-97
(c)SINCE 1989
MIDAS Information Technology Co.,Ltd. (MIDAS IT)
MIDAS IT Design Development Team
HomePage : www.MidasUser.com
Gen 2013

*. DEFINITION OF LOAD COMBINATIONS WITH SCALING UP FACTORS.

LCB	C	Loadcase Name(Factor) + Loadcase Name(Factor) + Loadcase Name(Factor)
1	1	DL(1.400)
2	1	DL(1.200) + LL(1.600)
3	1	DL(1.200) + EXP(1.000) + LL(1.000)
4	1	DL(1.200) + EXN(1.000) + LL(1.000)
5	1	DL(1.200) + EYP(1.000) + LL(1.000)
6	1	DL(1.200) + EYN(1.000) + LL(1.000)
7	1	DL(1.200) + EXP(-1.000) + LL(1.000)
8	1	DL(1.200) + EXN(-1.000) + LL(1.000)
9	1	DL(1.200) + EYP(-1.000) + LL(1.000)
10	1	DL(1.200) + EYN(-1.000) + LL(1.000)
11	1	DL(0.900) + EXP(1.000)
12	1	DL(0.900) + EXN(1.000)
13	1	DL(0.900) + EYP(1.000)
14	1	DL(0.900) + EYN(1.000)
15	1	DL(0.900) + EXP(-1.000)
16	1	DL(0.900) + EXN(-1.000)
17	1	DL(0.900) + EYP(-1.000)
18	1	DL(0.900) + EYN(-1.000)

PROJECT TITLE :

	Company		Client	
	Author	user	File Name	Untitled.rcs

midas Gen - RC-Beam Design [TWN-USD100] Gen 2013

*.PROJECT :
*.UNIT SYSTEM : tonf, m

[TWN-USD100] RC-BEAM DESIGN SUMMARY SHEET --- SELECTED MEMBERS IN ANALYSIS MODEL.

*.MEMB = 19, SECT = 101 (TG, RECT), Span = 6.00000
*.Bc = 0.4000, Hc = 0.6000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	1.52481(1)	0.0003	3-D19	0.76240(1)	0.0006	3-D19	2.07720(1)	0.0000	2-D10 @280
M	OK	0.57426(1)	0.0003	3-D19	1.13828(1)	0.0003	3-D19	1.24920(1)	0.0000	2-D10 @280
J	OK	2.29703(1)	0.0003	3-D19	1.14852(1)	0.0006	3-D19	2.35800(1)	0.0000	2-D10 @280

*.MEMB = 20, SECT = 101 (TG, RECT), Span = 6.00000
*.Bc = 0.4000, Hc = 0.6000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	2.04746(1)	0.0003	3-D19	1.02373(1)	0.0006	3-D19	2.22227(1)	0.0000	2-D10 @280
M	OK	0.51186(1)	0.0003	3-D19	1.01459(1)	0.0003	3-D19	1.11347(1)	0.0000	2-D10 @280
J	OK	2.02175(1)	0.0003	3-D19	1.01088(1)	0.0006	3-D19	2.21293(1)	0.0000	2-D10 @280

*.MEMB = 21, SECT = 101 (TG, RECT), Span = 6.00000
*.Bc = 0.4000, Hc = 0.6000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	2.32811(1)	0.0003	3-D19	1.16406(1)	0.0006	3-D19	2.37057(1)	0.0000	2-D10 @280
M	OK	0.58203(1)	0.0003	3-D19	1.14175(1)	0.0003	3-D19	1.26177(1)	0.0000	2-D10 @280
J	OK	1.48679(1)	0.0003	3-D19	0.74339(1)	0.0006	3-D19	2.06463(1)	0.0000	2-D10 @280

*.MEMB = 22, SECT = 101 (TG, RECT), Span = 6.00000
*.Bc = 0.4000, Hc = 0.6000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	1.39565(1)	0.0003	3-D19	0.69782(1)	0.0006	3-D19	2.03032(1)	0.0000	2-D10 @280
M	OK	0.60642(1)	0.0003	3-D19	1.13853(1)	0.0003	3-D19	1.29608(1)	0.0000	2-D10 @280
J	OK	2.42569(1)	0.0003	3-D19	1.21284(1)	0.0006	3-D19	2.40488(1)	0.0000	2-D10 @280

PROJECT TITLE :

	Company		Client	
	Author	user	File Name	Untitled.rcs

midas Gen - RC-Beam Design [TWN-USD100] Gen 2013

*.PROJECT :
*.UNIT SYSTEM : tonf, m

[TWN-USD100] RC-BEAM DESIGN SUMMARY SHEET --- SELECTED MEMBERS IN ANALYSIS MODEL.

*.MEMB = 23, SECT = 101 (TG, RECT), Span = 6.00000
*.Bc = 0.4000, Hc = 0.6000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	1.97416(1)	0.0003	3-D19	0.98708(1)	0.0006	3-D19	2.19452(1)	0.0000	2-D10 @280
M	OK	0.52527(1)	0.0003	3-D19	1.01158(1)	0.0003	3-D19	1.13188(1)	0.0000	2-D10 @280
J	OK	2.10108(1)	0.0003	3-D19	1.05054(1)	0.0006	3-D19	2.24068(1)	0.0000	2-D10 @280

*.MEMB = 24, SECT = 101 (TG, RECT), Span = 6.00000
*.Bc = 0.4000, Hc = 0.6000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	2.11927(1)	0.0003	3-D19	1.05963(1)	0.0006	3-D19	2.25618(1)	0.0000	2-D10 @280
M	OK	0.52982(1)	0.0003	3-D19	1.03603(1)	0.0003	3-D19	1.14738(1)	0.0000	2-D10 @280
J	OK	1.90707(1)	0.0003	3-D19	0.95353(1)	0.0006	3-D19	2.17902(1)	0.0000	2-D10 @280

*.MEMB = 25, SECT = 101 (TG, RECT), Span = 6.00000
*.Bc = 0.4000, Hc = 0.6000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	1.94139(1)	0.0003	3-D19	0.97069(1)	0.0006	3-D19	2.18803(1)	0.0000	2-D10 @280
M	OK	0.52601(1)	0.0003	3-D19	1.02649(1)	0.0003	3-D19	1.13837(1)	0.0000	2-D10 @280
J	OK	2.10403(1)	0.0003	3-D19	1.05202(1)	0.0006	3-D19	2.24717(1)	0.0000	2-D10 @280

*.MEMB = 26, SECT = 101 (TG, RECT), Span = 6.00000
*.Bc = 0.4000, Hc = 0.6000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	2.12949(1)	0.0003	3-D19	1.06474(1)	0.0006	3-D19	2.25144(1)	0.0000	2-D10 @280
M	OK	0.53237(1)	0.0003	3-D19	1.01278(1)	0.0003	3-D19	1.14264(1)	0.0000	2-D10 @280
J	OK	1.94336(1)	0.0003	3-D19	0.97168(1)	0.0006	3-D19	2.18376(1)	0.0000	2-D10 @280

PROJECT TITLE :

	Company		Client	
	Author	user	File Name	Untitled.rcs

midas Gen - RC-Beam Design [TWN-USD100] Gen 2013

*.PROJECT :
*.UNIT SYSTEM : tonf, m

[TWN-USD100] RC-BEAM DESIGN SUMMARY SHEET --- SELECTED MEMBERS IN ANALYSIS MODEL.

*.MEMB = 27, SECT = 101 (TG, RECT), Span = 6.00000
*.Bc = 0.4000, Hc = 0.6000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	2.40152(1)	0.0003	3-D19	1.20076(1)	0.0006	3-D19	2.39651(1)	0.0000	2-D10 @280
M	OK	0.60038(1)	0.0003	3-D19	1.13967(1)	0.0003	3-D19	1.28771(1)	0.0000	2-D10 @280
J	OK	1.41753(1)	0.0003	3-D19	0.70877(1)	0.0006	3-D19	2.03869(1)	0.0000	2-D10 @280

*.MEMB = 28, SECT = 101 (TG, RECT), Span = 6.00000
*.Bc = 0.4000, Hc = 0.6000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	1.45741(1)	0.0003	3-D19	0.72870(1)	0.0006	3-D19	2.05313(1)	0.0000	2-D10 @280
M	OK	0.59050(1)	0.0003	3-D19	1.13950(1)	0.0003	3-D19	1.27327(1)	0.0000	2-D10 @280
J	OK	2.36199(1)	0.0003	3-D19	1.18099(1)	0.0006	3-D19	2.38207(1)	0.0000	2-D10 @280

*.MEMB = 29, SECT = 101 (TG, RECT), Span = 6.00000
*.Bc = 0.4000, Hc = 0.6000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	1.97109(1)	0.0003	3-D19	0.98554(1)	0.0006	3-D19	2.19283(1)	0.0000	2-D10 @280
M	OK	0.52684(1)	0.0003	3-D19	1.00999(1)	0.0003	3-D19	1.13357(1)	0.0000	2-D10 @280
J	OK	2.10734(1)	0.0003	3-D19	1.05367(1)	0.0006	3-D19	2.24237(1)	0.0000	2-D10 @280

*.MEMB = 30, SECT = 101 (TG, RECT), Span = 6.00000
*.Bc = 0.4000, Hc = 0.6000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	2.03278(1)	0.0003	3-D19	1.01639(1)	0.0006	3-D19	2.22237(1)	0.0000	2-D10 @280
M	OK	0.50819(1)	0.0003	3-D19	1.02955(1)	0.0003	3-D19	1.11357(1)	0.0000	2-D10 @280
J	OK	2.00652(1)	0.0003	3-D19	1.00326(1)	0.0006	3-D19	2.21283(1)	0.0000	2-D10 @280

PROJECT TITLE :

	Company		Client	
	Author	user	File Name	Untitled.rcs

midas Gen - RC-Beam Design [TWN-USD100] Gen 2013

*.PROJECT :
*.UNIT SYSTEM : tonf, m

[TWN-USD100] RC-BEAM DESIGN SUMMARY SHEET --- SELECTED MEMBERS IN ANALYSIS MODEL.

*.MEMB = 31, SECT = 101 (TG, RECT), Span = 6.00000
*.Bc = 0.4000, Hc = 0.6000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	1.99437(1)	0.0003	3-D19	0.99718(1)	0.0006	3-D19	2.20827(1)	0.0000	2-D10 @280
M	OK	0.51142(1)	0.0003	3-D19	1.02919(1)	0.0003	3-D19	1.11813(1)	0.0000	2-D10 @280
J	OK	2.04566(1)	0.0003	3-D19	1.02283(1)	0.0006	3-D19	2.22693(1)	0.0000	2-D10 @280

*.MEMB = 32, SECT = 101 (TG, RECT), Span = 6.00000
*.Bc = 0.4000, Hc = 0.6000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	2.09256(1)	0.0003	3-D19	1.04628(1)	0.0006	3-D19	2.23684(1)	0.0000	2-D10 @280
M	OK	0.52314(1)	0.0003	3-D19	1.00955(1)	0.0003	3-D19	1.12804(1)	0.0000	2-D10 @280
J	OK	1.98673(1)	0.0003	3-D19	0.99337(1)	0.0006	3-D19	2.19836(1)	0.0000	2-D10 @280

*.MEMB = 33, SECT = 101 (TG, RECT), Span = 6.00000
*.Bc = 0.4000, Hc = 0.6000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	2.34462(1)	0.0003	3-D19	1.17231(1)	0.0006	3-D19	2.37580(1)	0.0000	2-D10 @280
M	OK	0.58615(1)	0.0003	3-D19	1.13964(1)	0.0003	3-D19	1.26700(1)	0.0000	2-D10 @280
J	OK	1.47449(1)	0.0003	3-D19	0.73725(1)	0.0006	3-D19	2.05940(1)	0.0000	2-D10 @280

*.MEMB = 34, SECT = 102 (TB, RECT), Span = 5.00000
*.Bc = 0.4000, Hc = 0.9000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	20.9409(2)	0.0009	4-D19	10.4704(2)	0.0007	3-D19	9.50343(1)	0.0000	2-D10 @430
M	OK	10.6822(2)	0.0004	3-D19	5.63161(2)	0.0004	3-D19	8.22199(2)	0.0000	2-D10 @430
J	OK	5.23522(2)	0.0004	3-D19	11.6868(2)	0.0006	3-D19	5.81143(2)	0.0000	2-D10 @430

PROJECT TITLE :

	Company		Client	
	Author	user	File Name	Untitled.rcs

midas Gen - RC-Beam Design [TWN-USD100] Gen 2013

*.PROJECT :
*.UNIT SYSTEM : tonf, m

[TWN-USD100] RC-BEAM DESIGN SUMMARY SHEET --- SELECTED MEMBERS IN ANALYSIS MODEL.

*.MEMB = 35, SECT = 102 (TB, RECT), Span = 5.00000
*.Bc = 0.4000, Hc = 0.9000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	26.9297(2)	0.0011	4-D19	13.4648(2)	0.0007	3-D19	10.2781(1)	0.0005	2-D10 @280
M	OK	15.7867(2)	0.0007	3-D19	6.73241(2)	0.0004	3-D19	8.98270(2)	0.0000	2-D10 @430
J	OK	6.73241(2)	0.0004	3-D19	9.23537(2)	0.0006	3-D19	6.57214(2)	0.0000	2-D10 @430

*.MEMB = 36, SECT = 102 (TB, RECT), Span = 5.00000
*.Bc = 0.4000, Hc = 0.9000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	23.9126(2)	0.0010	4-D19	11.9563(2)	0.0007	3-D19	10.0037(1)	0.0005	2-D10 @280
M	OK	13.1010(2)	0.0005	3-D19	5.97815(2)	0.0004	3-D19	8.69767(2)	0.0000	2-D10 @430
J	OK	5.97815(2)	0.0004	3-D19	10.9270(2)	0.0006	3-D19	6.28711(2)	0.0000	2-D10 @430

*.MEMB = 37, SECT = 102 (TB, RECT), Span = 5.00000
*.Bc = 0.4000, Hc = 0.9000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	19.5103(1)	0.0008	3-D19	9.75514(1)	0.0006	3-D19	9.32161(1)	0.0000	2-D10 @430
M	OK	9.49122(1)	0.0004	3-D19	6.00342(2)	0.0003	3-D19	7.91545(1)	0.0000	2-D10 @430
J	OK	4.87757(1)	0.0003	3-D19	11.6041(2)	0.0006	3-D19	5.42042(2)	0.0000	2-D10 @430

*.MEMB = 38, SECT = 102 (TB, RECT), Span = 15.0000
*.Bc = 0.4000, Hc = 0.9000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	22.2904(1)	0.0009	4-D19	11.1452(1)	0.0007	3-D19	8.99235(1)	0.0000	2-D10 @430
M	OK	5.57260(1)	0.0004	3-D19	11.0860(1)	0.0005	3-D19	4.66803(1)	0.0000	2-D10 @430
J	OK	17.3754(1)	0.0007	3-D19	8.68768(1)	0.0006	3-D19	8.30493(1)	0.0000	2-D10 @430

PROJECT TITLE :

	Company		Client	
	Author	user	File Name	Untitled.rcs

midas Gen - RC-Beam Design [TWN-USD100] Gen 2013

*.PROJECT :
*.UNIT SYSTEM : tonf, m

[TWN-USD100] RC-BEAM DESIGN SUMMARY SHEET --- SELECTED MEMBERS IN ANALYSIS MODEL.

*.MEMB = 123, SECT = 102 (TB, RECT), Span = 5.00000
*.Bc = 0.4000, Hc = 0.9000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	2.92171(2)	0.0003	3-D19	13.5430(2)	0.0006	3-D19	2.57402(1)	0.0000	2-D10 @430
M	OK	2.92171(2)	0.0003	3-D19	13.7793(2)	0.0006	3-D19	1.96198(1)	0.0000	2-D10 @430
J	OK	2.92171(2)	0.0003	3-D19	12.3955(2)	0.0006	3-D19	3.47398(1)	0.0000	2-D10 @430

*.MEMB = 124, SECT = 102 (TB, RECT), Span = 5.00000
*.Bc = 0.4000, Hc = 0.9000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	6.70730(2)	0.0004	3-D19	9.39172(2)	0.0006	3-D19	6.58417(2)	0.0000	2-D10 @430
M	OK	15.6723(2)	0.0007	3-D19	6.70730(2)	0.0004	3-D19	8.99473(2)	0.0000	2-D10 @430
J	OK	26.8292(2)	0.0011	4-D19	13.4146(2)	0.0007	3-D19	10.2826(1)	0.0005	2-D10 @280

*.MEMB = 125, SECT = 102 (TB, RECT), Span = 5.00000
*.Bc = 0.4000, Hc = 0.9000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	2.99360(2)	0.0003	3-D19	12.3501(2)	0.0006	3-D19	3.50780(1)	0.0000	2-D10 @430
M	OK	2.99360(2)	0.0003	3-D19	13.8449(2)	0.0006	3-D19	1.99580(1)	0.0000	2-D10 @430
J	OK	2.99360(2)	0.0003	3-D19	13.7196(2)	0.0006	3-D19	2.54020(1)	0.0000	2-D10 @430

*.MEMB = 126, SECT = 102 (TB, RECT), Span = 5.00000
*.Bc = 0.4000, Hc = 0.9000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	5.26106(2)	0.0004	3-D19	11.9744(2)	0.0006	3-D19	5.89550(2)	0.0000	2-D10 @430
M	OK	10.6879(2)	0.0004	3-D19	5.82144(2)	0.0004	3-D19	8.30606(2)	0.0000	2-D10 @430
J	OK	21.0442(2)	0.0009	4-D19	10.5221(2)	0.0007	3-D19	9.53538(1)	0.0000	2-D10 @430

PROJECT TITLE :

	Company		Client	
	Author	user	File Name	Untitled.rcs

midas Gen - RC-Beam Design [TWN-USD100] Gen 2013

*.PROJECT :
*.UNIT SYSTEM : tonf, m

[TWN-USD100] RC-BEAM DESIGN SUMMARY SHEET --- SELECTED MEMBERS IN ANALYSIS MODEL.

*.MEMB = 127, SECT = 102 (TB, RECT), Span = 5.00000
*.Bc = 0.4000, Hc = 0.9000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	3.14273(2)	0.0003	3-D19	13.7680(2)	0.0006	3-D19	3.17726(1)	0.0000	2-D10 @430
M	OK	3.14273(2)	0.0003	3-D19	14.9890(2)	0.0006	3-D19	1.66526(1)	0.0000	2-D10 @430
J	OK	3.14273(2)	0.0003	3-D19	14.5900(2)	0.0006	3-D19	2.87074(1)	0.0000	2-D10 @430

*.MEMB = 128, SECT = 102 (TB, RECT), Span = 5.00000
*.Bc = 0.4000, Hc = 0.9000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	6.03675(2)	0.0004	3-D19	12.5709(2)	0.0006	3-D19	6.69105(2)	0.0000	2-D10 @430
M	OK	12.8658(2)	0.0005	3-D19	6.03675(2)	0.0004	3-D19	9.10161(2)	0.0000	2-D10 @430
J	OK	24.1470(2)	0.0010	4-D19	12.0735(2)	0.0007	3-D19	10.3069(2)	0.0005	2-D10 @280

*.MEMB = 135, SECT = 102 (TB, RECT), Span = 5.00000
*.Bc = 0.4000, Hc = 0.9000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	2.80298(2)	0.0003	3-D19	12.5191(1)	0.0006	3-D19	2.37828(1)	0.0000	2-D10 @430
M	OK	2.80298(2)	0.0003	3-D19	12.6570(1)	0.0005	3-D19	2.26624(2)	0.0000	2-D10 @430
J	OK	2.80298(2)	0.0003	3-D19	10.9048(1)	0.0006	3-D19	3.66972(1)	0.0000	2-D10 @430

*.MEMB = 136, SECT = 102 (TB, RECT), Span = 5.00000
*.Bc = 0.4000, Hc = 0.9000
*.fc = 2100.00, fy = 42000.0, fys = 28000.0

POS	CHK	N-Mu(LCB)	AsTop	Rebar	P-Mu(LCB)	AsBot	Rebar	Vu(LCB)	AsV	Stirrups
I	OK	6.02207(1)	0.0004	3-D19	7.37135(1)	0.0006	3-D19	5.35935(1)	0.0000	2-D10 @430
M	OK	13.7714(1)	0.0006	3-D19	6.02207(1)	0.0004	3-D19	8.17167(1)	0.0000	2-D10 @430
J	OK	24.0883(1)	0.0010	4-D19	12.0441(1)	0.0007	3-D19	9.57783(1)	0.0000	2-D10 @430