NORTH CAROLINA D.O.T. — E72800

ANALYSIS OF PLANE STRUCTURES

FREE STYLE NAME, PROJECT, DESCRIPTON

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
H																																																																								

	CARD #	M	N	MODULUS OF ELASTICITY
1	2–3	4–5	6–7	8–13
A	1			

M = TOTAL NUMBER OF MEMBERS
N = TOTAL NUMBER OF UNKNOWN DISPLACEMENTS

LR = LEFT END ROTATION
LD = LEFT END DEFLECTION
RR = RIGHT END ROTATION
RD = RIGHT END DEFLECTION

MEMBER BOUNDARY CONDITIONS

	CARD #	1, 10, 19,				2, 11, 20				3, 12, 21				4, 13, 22				5, 14, 23				6, 15, 24				7, 16, 25				8, 17, 26				9, 18, 27			
		LR	LD	RR	RD	LR	LD	RR	RD	LR	LD	RR	RD	LR	LD	RR	RD	LR	LD	RR	RD	LR	LD	RR	RD	LR	LD	RR	RD	LR	LD	RR	RD	LR	LD	RR	RD
1	2–3	4–5	6–7	8–9	10–11	12–13	14–15	16–17	18–19	20–21	22–23	24–25	26–27	28–29	30–31	32–33	34–35	36–37	38–39	40–41	42–43	44–45	46–47	48–49	50–51	52–53	54–55	56–57	58–59	60–61	62–63	64–65	66–67	68–69	70–71	72–73	74–75
B	1																																				

MEMBER PROPERTIES

	MEMBER #	LENGTH IN.	LEFT END		RIGHT END	
			DEPTH IN.	WIDTH IN.	DEPTH IN.	WIDTH IN.
1	2–3	4–10	11–17	18–24	25–31	32–38
C	1					

	MEMBER #	LENGTH IN.	LEFT END		RIGHT END	
			DEPTH IN.	WIDTH IN.	DEPTH IN.	WIDTH IN.
1	2–3	4–10	11–17	18–24	25–31	32–38
C						