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REMARKS

STRUCTURAL CALCULATIONS

for

12 x 10 BOX CULVERT

Old Cross Cut Canal

Drainage Improvements

Indian School Road to McDowell Road

FCD Contract No. 94-24

November, 1994

Registered Professional Engineer (Civil)
CERTIFICATE NO.
10217
WILLIAM STEPHEN
KANTOR, JR.
Date Signed 11/3/94
ARIZONA, U.S.A.

William S. Kantor

123456789

ENTRANCO

A103.809

SPAN "S"	HEIGHT "H"	QUANTITIES		TOP SLAB "T"	BOT SLAB "T2"	aa			bb			cc	dd1 TOP						ee1 TOP			ff1			gg	hh1			
		CONCRETE CY/LF	REINF STEEL LBS/LF			BAR SIZE	SPACING	LENGTH	BAR SIZE	SPACING	LENGTH	NUMBER *	BAR SIZE	SPACING	LENGTH	A	B	C	BAR SIZE	SPACING	LENGTH	BAR SIZE	SPACING	LENGTH	NUMBER **	BAR SIZE	SPACING	LENGTH	D1
12'	10'	4.25	600	1'-6"	1'-7"	5	6"	15'-8"	5	12"	12'-8"	42	7	12"	27'-8"	9'-1"	6'-0"	1'-3"	6	12"	26'-8"	6	12"	26'-8"	72	6	6"	15'-3"	11'-3"

dd2 BOT						ee2 BOT			ff2			hh2			
BAR SIZE	SPACING	LENGTH	A	B	C	BAR SIZE	SPACING	LENGTH	BAR SIZE	SPACING	LENGTH	BAR SIZE	SPACING	LENGTH	D2
7	12"	28'-2"	9'-5"	6'-0"	1'-2"	5	12"	27'-2"	7	12"	27'-2"	6	6"	11'-0"	7'-0"

* TOTAL NUMBER OF #4(CONT.) BARS IN WALLS
** TOTAL NUMBER OF #4(CONT.) BARS IN TOP/BOT SLABS

GENERAL NOTES:

All construction shall conform to the latest MAG Uniform Standard Specifications with applicable Maricopa County and City of Phoenix supplements, and to appropriate Arizona Department of Transportation Standard Specifications for Road and Bridge Construction as required by these plans and the Special Provisions.

Design–AASHTO Standard Specifications for Highway Bridges, 1993 fifteenth Edition.

Loading Class–HS 20–44 and Interstate Alternate Loading.

Internal Pressure: 22' of H_2O. See Thomas–Hartig & Associates, Inc. Geotechnical Report No. 90–0863 dated February 12, 1991 for Soil Data.

All concrete shall be Class"AA" f'c=4,000 psi.

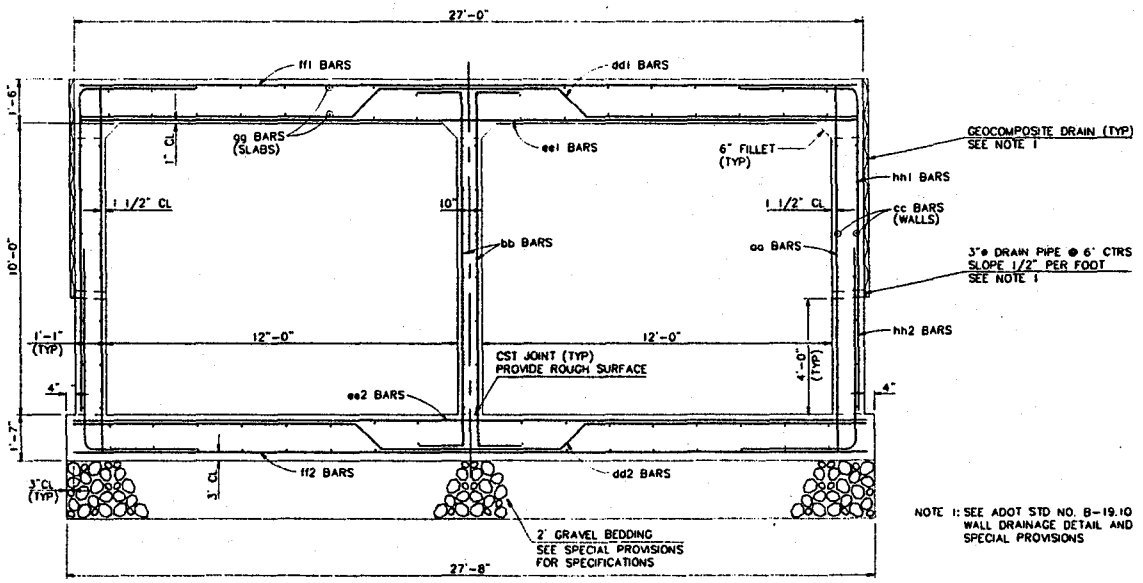
Reinforcing steel shall conform to ASTM Specification A615, Grade 60, fs=24,000 psi.

All bend dimensions for reinforcing steel shall be out to out of bars. All placement dimensions for reinforcing steel shall be to center of bars except as noted.

All reinforcing steel shall have 2" clear cover unless noted otherwise.

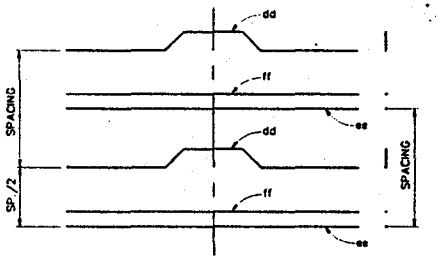
JOINT NOTE:

Construction joint spacing in the walls and top slab shall not exceed 38'–6", and in the bottom slab shall not exceed 50', with reinforcing steel projecting 1'–6" through all the joints. Joints in the slab shall be perpendicular to the culvert centerline. All Stuctures, cast–in–place concrete or pre–cast units, shall have watertight construction joints in the top and bottom slabs and the walls. Refer to these plans and the Special Provisions for waterstop details.

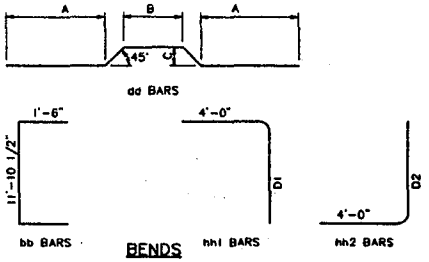


NOTE 1: SEE ADOT STD NO. B–19.10 WALL DRAINAGE DETAIL AND SPECIAL PROVISIONS

TYPICAL SECTION
1/2" =1'-0"



REINFORCING BAR PLACING DIAGRAM



BENDS

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY ENGINEERING DIVISION			
OLD CROSS CUT CANAL INDIAN SCHOOL RD TO McDOWELL RD PROJECT NO. FCD 94-24			
PRELIMINARY NOT FOR CONSTRUCTION		BY	DATE
	DESIGNED	VA/WS*	10/21/94
	DRAWN	TGT	10/21/94
	CHECKED	WS*	10/21/94
	ENTRANCO		
TYPICAL SECTION 12'X 10' DOUBLE BARREL BOX CULVERT			SHEET OF C3-2

PLOT DATE: 10/24/94 CADD NAME: 12X10BOX.DWG
SCALE: 1/2" =1'-0"

ENTRANCO

SHEET NO 1 OF

PROJECT NO 3-940 -10

PROJECT X-CUT CANAL PLAN DIMENSIONS

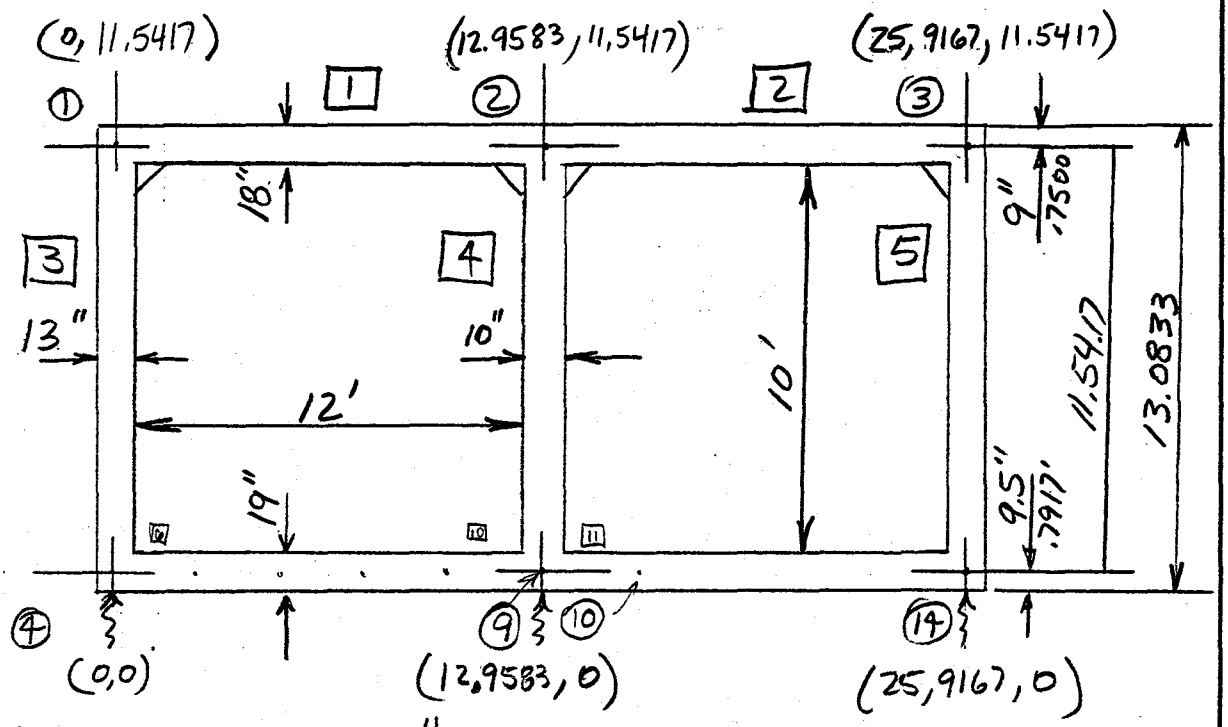
SUBJECT DOUBLE 12x10 CBC JOINT COORD / Variables

MADE BY WSK DATE 7/20/92 CHECKED BY VA DATE

STAAD - III INPUT FOR FINAL RUNS

Joint Coordinates (#) MEMBER [#]

Member Incidences



PROPERTIES $b = 12''$

MEMBER	T	Ax	Iz
1	18"	1.5000	.2813
2	18"	1.5000	.2813
3	13"	1.0833	.1059
4	10"	.8333	.0482
5	13	1.0833	.1059
6-15	19"	1.5833	.3308

CONSTANTS

$E = 57{,}000\sqrt{f'_c} = 57^K\sqrt{4^K}$ AASHTO 8.7.1

$E = 519{,}119.5$ USE: $520{,}000^K/ft^2 = (3{,}604{,}996.5\ psi)\left(\frac{K}{1000}\right)\left(\frac{144\ in^2}{ft^2}\right)$

$\gamma_{conc} = 150^{\#}/ft^3$

1A

```
STAAD PLANE X-CUT CANAL 2-12X10 CBC
UNIT KIP FEET
JOINT COORDINATES
1 0. 11.5417 ; 2 12.9583 11.5417 ; 3 25.9167 11.5417
4 0. 0. 0. 14 25.9167 0. 0.
MEMBER INCIDENCE
1 1 2 ; 2 2 3 ; 3 1 4 ;4 2 9 ; 5 3 14 ; 6 4 5 15 1
MEMBER PROPERTIES
1 2 PRISMATIC AX 1.5000 IZ 0.2813
3 5 PRISMATIC AX 1.0833 IZ 0.1059
4 PRISMATIC AX 0.8333 IZ 0.0482
6 TO 15 PRISMATIC AX 1.5833 IZ 0.3308
CONSTANTS
E 520000. ALL
DENSITY 0.15 ALL
SUPPORTS
5 TO 13 FIXED BUT FX MZ KFY 2239.0
4 14 FIXED BUT MZ KFY 1948.0 KFX 100
*============================================================
LOAD 1 DEAD LOAD
SELFWEIGHT Y -1.0
*============================================================
LOAD 2 DRY 15'FILL WT.
MEMBER LOAD
1 2 UNI Y -1.65
*============================================================
LOAD 3 DRY 15'LAT.SOIL
MEMBER LOAD
3 TRAP GX 0.95 1.64
5 TRAP GX -0.95 -1.64
*============================================================
LOAD 13 DRY 15'LAT.SOIL TO TOP OF BOX ONLY
MEMBER LOAD
3 TRAP GX 0.05 0.74
5 TRAP GX -0.05 -0.74
*============================================================
LOAD 4 WET 15'FILL WT.
MEMBER LOAD
1 2 UNI Y -2.10
*============================================================
LOAD 5 WET 15'LAT.SOIL
MEMBER LOAD
3 TRAP GX 1.42 2.46
5 TRAP GX -1.42 -2.46
*============================================================
LOAD 15 WET 15'LAT.SOIL TO TOP OF BOX ONLY
MEMBER LOAD
3 TRAP GX 0.07 1.11
5 TRAP GX -0.07 -1.11
*============================================================
LOAD 10 SYMM LL ON 15'FILL
MEMBER LOAD
1 2 UNI Y -0.12
*============================================================
LOAD 11 UNSYMM LL ON 15'FILL
MEMBER LOAD
1 UNI Y -0.12
*============================================================
LOAD 18 BOUYANT FORCE  HGL 12' MAX ABOVE SOFFIT OF BOX
MEMBER LOAD
```

```
6 TO 15 UNI Y 1.472
*=============================================================
LOAD 19 WATER INSIDE   HGL @ CROWN - FLOWING FULL CONDITION
MEMBER LOAD
6 TO 15 UNI Y -0.624
3 TRAP GX  0.000 -0.624
5 TRAP GX 0.000 0.624
*=============================================================
LOAD 20 WATER INSIDE   HGL 12' MAX ABOVE SOFFIT OF BOX
MEMBER LOAD
1 2 UNI Y 0.749
6 TO 15 UNI Y -1.373
3 TRAP GX -0.749 -1.373
5 TRAP GX 0.749 1.373
*=============================================================
*BEGIN LOAD COMBINATIONS FOR ANALYSIS
*=============================================================
*
*LOAD COMB 100 THRU 118 FOR 1/2 LATERAL SOIL PRESSURE INVESTAGATION
*OF TOP AND BOTTOM SLABS - MEMBERS 1,2,AND 6 THRU 14
*
*=============================================================
LOAD COMB 100 SELF DL
            1 1.0
*=============================================================
*START DRY SOIL ANALYSIS WITH 1/2 LATERAL PRESSURES
*=============================================================
LOAD COMB 101 SELF DL + HALF DRY LAT SOIL TO TOP OF BOX
            1 1.0     13 0.5
LOAD COMB 102 SELF DL + DRY 15'FILL + HALF LAT.SOIL
            1 1.0     2 1.0        3 0.5
LOAD COMB 103 SELF DL + DRY 15'FILL + HALF LAT.SOIL + SYMM.LL
            1 1.0     2 1.0        3 0.5           10 1.0
LOAD COMB 104 SELF DL + DRY 15'FILL + HALF LAT.SOIL + UNSYM.LL
            1 1.0     2 1.0        3 0.5           11 1.0
LOAD COMB 105 SELF DL + DRY 15'FILL + HALF LAT.SOIL + SYMM.LL+WATER
            1 1.0     2 1.0        3 0.5           10 1.0    19 1.0
LOAD COMB 106 SELF DL + DRY 15'FILL + HALF LAT.SOIL +UNSYM.LL+WATER
            1 1.0     2 1.0        3 0.5           11 1.0    19 1.0
LOAD COMB 107 SELF DL + DRY 15'FILL + HALF LAT.SOIL + SYMM.LL+WATER
            1 1.0     2 1.0        3 0.5           10 1.0    20 1.0
LOAD COMB 108 SELF DL + DRY 15'FILL + HALF LAT.SOIL +UNSYM.LL+WATER
            1 1.0     2 1.0        3 0.5           11 1.0    20 1.0
*=============================================================
*START SATURATED SOIL ANALYSIS WITH 1/2 LATERAL PRESSURES
*=============================================================
LOAD COMB 111 SELF DL + HALF WET LAT SOIL TO TOP OF BOX
            1 1.0     15 0.5
LOAD COMB 112 SELF DL + WET 15'FILL + HALF LAT.SOIL
            1 1.0     4 1.0        5 0.5
LOAD COMB 113 SELF DL + WET 15'FILL + HALF LAT.SOIL + SYMM.LL
            1 1.0     4 1.0        5 0.5   10 1.0
LOAD COMB 114 SELF DL + WET 15'FILL + HALF LAT.SOIL + UNSYM.LL
            1 1.0     4 1.0        5 0.5   11 1.0
LOAD COMB 115 SELF DL +WET 15'FILL +HALF LAT.SOIL +SYMM.LL+ H2O_FUL
            1 1.0     4 1.0        5 0.5  10 1.0   19 1.0  18  0.49
LOAD COMB 116 SELF DL +WET 15'FILL +HALF LAT.SOIL +UNSYM.LL+H2O_FUL
            1 1.0     4 1.0        5 0.5  11 1.0    19 1.0  18 0.49
LOAD COMB 117 SELF DL +WET 15'FILL +HALF LAT.SOIL +SYMM.LL+ H2O_PRE
            1 1.0     4 1.0        5 0.5   10 1.0    20 1.0 18  1.0
```

1C

```
LOAD COMB 118 SELF DL +WET 15'FILL +HALF LAT.SOIL +UNSYM.LL+H2O_PRE
            1 1.0     4 1.0        5 0.5  11 1.0    20 1.0  18  1.0
*==============================================================
*BEGIN FULL LATERAL SOIL ANALYSIS FOR ALL -M AREAS & +M  WALL AREAS
*==============================================================
*
*START DRY SOIL ANALYSIS
*==============================================================
LOAD COMB 121 SELF DL + FULL DRY LAT SOIL TO TOP OF BOX
            1 1.0     13 1.0
LOAD COMB 122 SELF DL + DRY 15'FILL + FULL LAT.SOIL
            1 1.0     2 1.0        3 1.0
LOAD COMB 123 SELF DL + DRY 15'FILL + FULL LAT.SOIL + SYMM.LL
            1 1.0     2 1.0        3 1.0           10 1.0
LOAD COMB 124 SELF DL + DRY 15'FILL + FULL LAT.SOIL + UNSYM.LL
            1 1.0     2 1.0        3 1.0           11 1.0
LOAD COMB 125 SELF DL +DRY 15'FILL +FULL LAT.SOIL +SYMM.LL +H2O_FUL
            1 1.0     2 1.0        3 1.0           10 1.0    19 1.0
LOAD COMB 126 SELF DL +DRY 15'FILL +FULL LAT.SOIL +UNSYM.LL+H2O_FUL
            1 1.0     2 1.0        3 1.0           11 1.0    19 1.0
LOAD COMB 127 SELF DL +DRY 15'FILL +FULL LAT.SOIL +SYMM.LL +H2O_PRE
            1 1.0     2 1.0        3 1.0           10 1.0    20 1.0
LOAD COMB 128 SELF DL +DRY 15'FILL +FULL LAT.SOIL +UNSYM.LL+H2O_PRE
            1 1.0     2 1.0        3 1.0           11 1.0    20 1.0
*==============================================================
*START SATURATED SOIL ANALYSIS
*==============================================================
LOAD COMB 131 SELF DL + FULL WET LAT SOIL TO TOP OF BOX
            1 1.0     15 1.0
LOAD COMB 132 SELF DL + WET 15'FILL + FULL LAT.SOIL
            1 1.0     4 1.0        5 1.0
LOAD COMB 133 SELF DL + WET 15'FILL + FULL LAT.SOIL + SYMM.LL
            1 1.0     4 1.0        5 1.0   10 1.0
LOAD COMB 134 SELF DL + WET 15'FILL + FULL LAT.SOIL + UNSYM.LL
            1 1.0     4 1.0        5 0.5   11 1.0
LOAD COMB 135 SELF DL +WET 15'FILL +FULL LAT.SOIL + SYMM.LL+H2O_FUL
            1 1.0     4 1.0        5 1.0  10 1.0    19 1.0  18 0.49
LOAD COMB 136 SELF DL +WET 15'FILL +FULL LAT.SOIL +UNSYM.LL+H2O_FUL
            1 1.0     4 1.0        5 1.0  11 1.0    19 1.0  18 0.49
LOAD COMB 137 SELF DL +WET 15'FILL +FULL LAT.SOIL + SYMM.LL+H2O_PRE
            1 1.0     4 1.0        5 1.0  10 1.0    20 1.0  18 1.0
LOAD COMB 138 SELF DL +WET 15'FILL +FULL LAT.SOIL +UNSYM.LL+H2O_PRE
            1 1.0     4 1.0        5 1.0  11 1.0    20 1.0  18 1.0
*==============================================================
PERFORM ANALYSIS
PRINT ANALYSIS RESULTS LIST
*==============================================================
LOAD LIST 100 TO 118
*==============================================================
PRINT FORCE ENV NSECTION 10 LIST 1
PRINT FORCE ENV NSECTION 10 LIST 2
PRINT FORCE ENV NSECTION 4 LIST 6 7 8 9 10
PRINT FORCE ENV NSECTION 4 LIST 11 12 13 14 15
MSDR ENVELOPE FY MZ LIST 1
MSDR ENVELOPE FY MZ LIST 2
*==============================================================
LOAD LIST 121 TO 138
*==============================================================
PRINT FORCE ENV NSECTION 10 LIST 1
PRINT FORCE ENV NSECTION 10 LIST 2
```

1D

```
PRINT FORCE ENV NSECTION 10 LIST 3
PRINT FORCE ENV NSECTION 10 LIST 4
PRINT FORCE ENV NSECTION 10 LIST 5
PRINT FORCE ENV NSECTION 4 LIST 6 TO 10
PRINT FORCE ENV NSECTION 4 LIST 11 TO 15
MSDR ENVELOPE FY MZ LIST 1
MSDR ENVELOPE FY MZ LIST 2
MSDR ENVELOPE FY MZ LIST 3
MSDR ENVELOPE FY MZ LIST 4
MSDR ENVELOPE FY MZ LIST 5
PLOT DIS FIL
FINISH
```

ENTRANCO

SHEET NO 2 OF ____
PROJECT NO ____

PROJECT X CUT
SUBJECT 2- 12x10 CBC
MADE BY WSK DATE 7/94 CHECKED BY VA DATE 7/94
REVISED BY ____ DATE ____ RECHECKED BY ____ DATE ____

FILL HEIGHT

15 feet – Varies 8 to 11 feet, 4' added to accomodate mounding in park area

DESIGN SEQUENCE

1. Scan STAAD COMPUTER OUT-PUT FORCE Associated with design point
2. Estimate d using Shear near d from Support.
3. Estimate As using Moment at end of haunch
4. Check Shear stress AASHTO 8.15.5.1 (Eq 8-14) for Slabs and 8.15.5.2 (Eq 8-4) for walls
5. Check bending Stresses
6. Check Serviceability AASHTO 17.6.4.1 (Eq 17-19)
7. Check Reinforcing Ratio ρ/ρ_b
8. Compare Cracked Section Capacity.

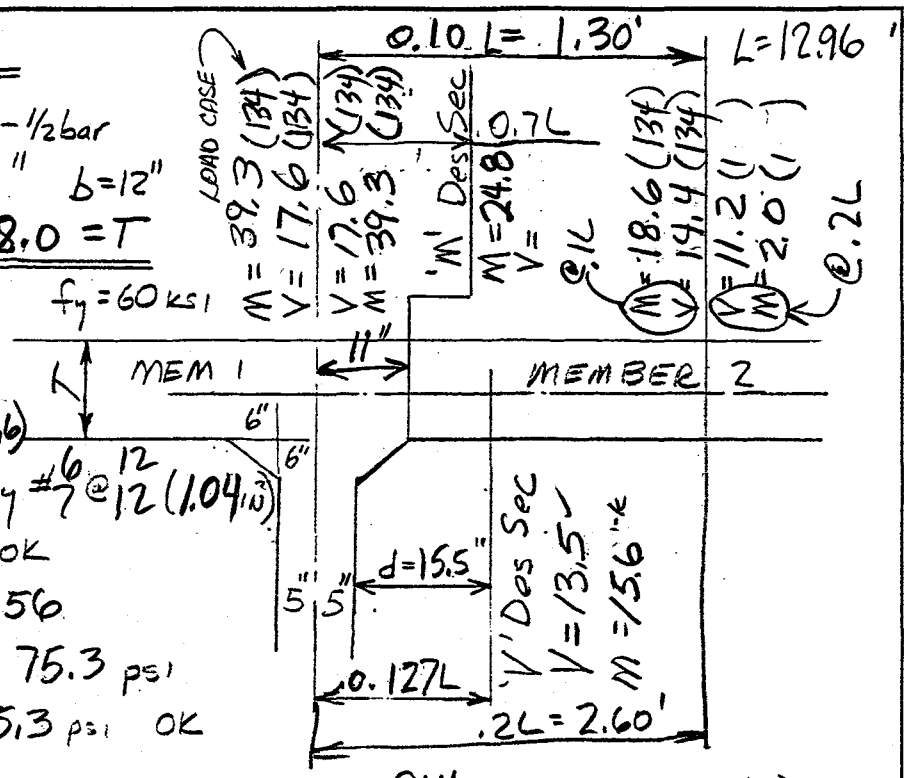
See 2-10x10 CBC for LOAD DIAGRAMS, and LOAD CALCS, COPIES OF AASHTO SPECS and MISC. DESIGN AIDS,

ENTRANCO

SHEET NO 3 OF ____
PROJECT NO ____

PROJECT X-CUT
SUBJECT 2-12x10 CBC
MADE BY WSK DATE 7/94 CHECKED BY VA DATE 7/94
REVISED BY ____ DATE ____ RECHECKED BY ____ DATE ____

TOP SLAB @ INT WALL



Proportion T $d = T - 2'' - \frac{1}{2}$ bar

$d = V^k/12'' \times 70 \pm$ psi $= 16.1''$ $b = 12''$

$T = 16.1 + 2.5 = 18.6$ USE = 18.0 = T

$d = 15.5''$ $f'_c = 4$ ksi $f_y = 60$ ksi

DES. FORCES

$M = 24.8$ '-k $V = 13.5$ k ($M = 15.6$)

$As \cong .56 M/d = .90$ in^2 Try #6 @ 12 (1.04 in^2)

$\therefore d = 18'' - 2 - .40 = 15.6''$ OK

$\rho = 1.04 \text{ in}^2 / 12 \times 15.6 = .0056$

$v_c = \sqrt{f'_c} + 2200\rho(V/M) = 75.3$ psi

$v = 13.5/bd = 72.1 < 75.3$ psi OK

Check bending Stresses

K = .258 J = .914 (See Table)

Reinf: $f_s = 20{,}069$ psi < 24 ksi OK

Conc $f_c = 870$ psi < 1600 psi OK

Check Serviceability

AASHTO Eq 8-61 & 17-19

$f_s = Z/(d_c A)^{1/3}$ $Z = 98$ $d_c = 2.38$ $A = 34.0$ $\therefore 98/(d_c^2 \times 12)^{1/3}$

$f_s = 24{,}013$ psi > 20,069 and < $.6F_y = 36$ ksi OK

Check Reinf Ratio "ρ" (rho)

See Ref. #2, COE

$\rho = .0056$ $\rho_b = .029$ AASHTO

$\rho/\rho_b = .19$ < .375 max allowed (.25 recommended) OK

Check Cracked Section

$f_r = 7.5\sqrt{f'_c} = 474$ psi $y_T = \frac{T}{2} = 9$ $I_g = 5832$

$M_{cr} = f_r T^2/6 = 25.6$ '-k < 26.7 '-k OK 'ρ' and serviceablity OK and minor water exposure

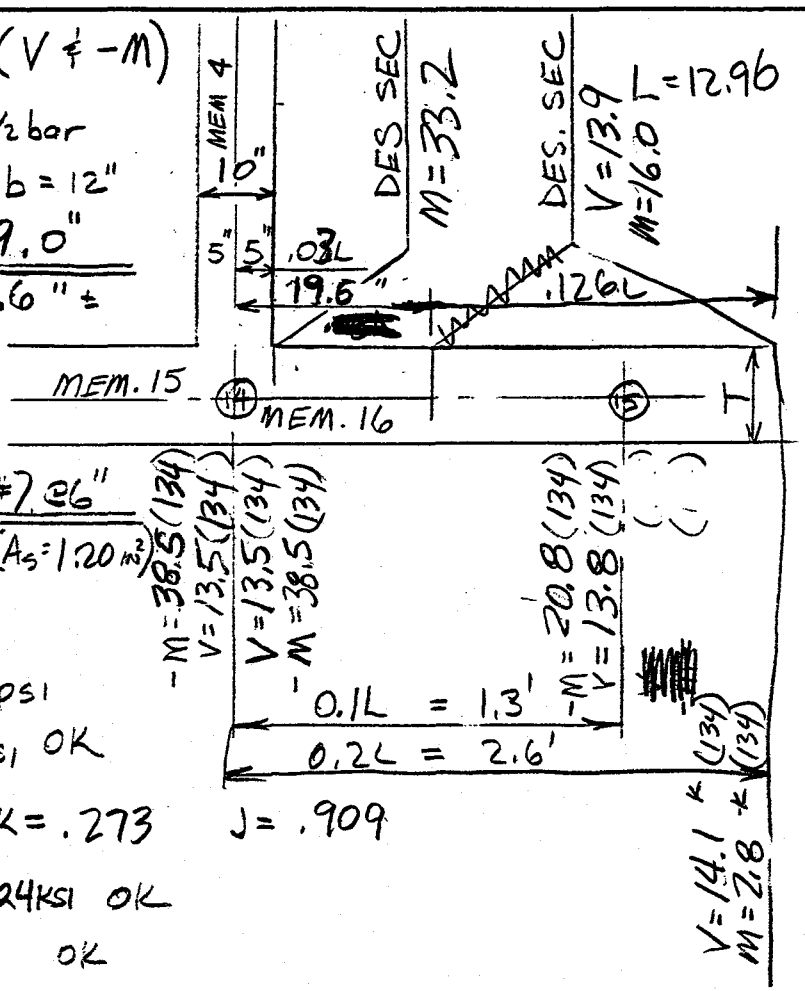
* USE T = 18" & #7 @ 12" (dd, bar) alt w/ #6 @ 12" (ff, bar)

ENTRANCO

SHEET NO 4 OF ____
PROJECT NO ____

PROJECT X-CUT
SUBJECT 2-12×10 CBC
MADE BY WSK DATE 7/94 CHECKED BY VA DATE 7/94
REVISED BY ____ DATE ____ RECHECKED BY ____ DATE ____

BOT SLAB @ INT WALL (V & -M)



Proportion T $d = T - 3 - \frac{1}{2}$ bar

$d = 13^{\pm}/12'' \times 70^{\pm}$ psi $= 15.5$ $b = 12''$

$T = 15.5 + 3.5 = 19.\pm$ USE 19.0"

$d = 15.6''\pm$

DES FORCES

$M = 33.2^{'k}$ @ Face of Support

$V = 13.9^{k}$ @ 'd' from Face
(M=16.0)

$A_s \cong .56M/d = 1.19$ in²/ft Try #7 @6" ($A_s = 1.20$ in²)

$\therefore d = 19 - 3'' - .44'' \cong 15.6''$

$\rho = 1.20/bd = .0064$

$v_c = \sqrt{4\text{ksi}} + 2200\rho(Vd/M) = 77.4$ psi (1.0)

$v = 13.9/bd = 74.3$ psi < 77.4 psi OK

Check bending Stresses $K = .273$ $J = .909$

Reinf: $f_s = M/A_s jd = 23{,}413 < 24$ksi OK

Conc: $f_c = 1099 < 1600$ psi OK

Check Serviceability AASHTO Eq 8-61 & 17-19

$f_s = Z/(d_c A)^{1/3}$ where $Z = 98$ $d_c = 2.44'$ $A = 2 \times 2.44 \times 12/2 = 29.3$

$f_s = 23{,}619 < .6F_y = 36$ ksi for Spacing/# of bars OK
$\geq 23{,}413$ psi from bending

Check Reinf Ratio "ρ" (rho) See Reference #2 COE

$\rho = .0064$ $\rho_b = .029$ AASHTO 8.16.3.2, Eq 8-18

$\rho/\rho_b = .22 < .375$ max allowed (.25 recommended)

Check Cracked Section $f_r = 7.5\sqrt{f'_c} = 474$ psi ; $y_T = 9.5$ $I_g = 6859$ in⁴

$M_{cr} = f_r I_g / y_T = (474_{psi} \times 19^2 /)^{\#-11}/12000 = 28.5^{'-k} < 29.6$ OK

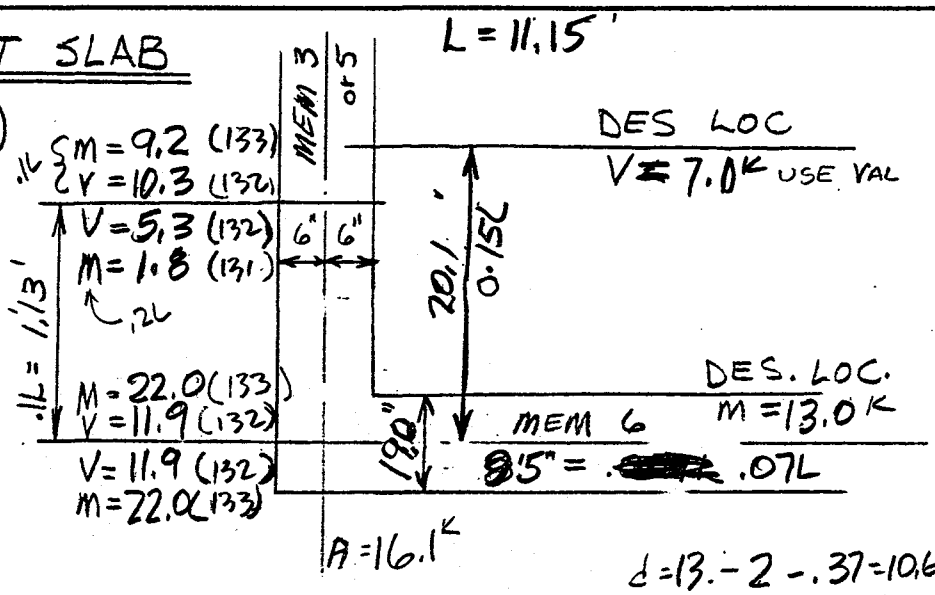
* USE T = 19" & #7 @12" (dd2 bars) since service ρ OK alt #7@12" (ff2 bars)

ENTRANCO

SHEET NO 5 OF ____
PROJECT NO ____

PROJECT X-CUT
SUBJECT 2-12×10 CBC
MADE BY WSK DATE 7/94 CHECKED BY VA DATE 7/94
REVISED BY ____ DATE ____ RECHECKED BY ____ DATE ____

SIDE WALL @ BOT SLAB



−M (NEG MOMENT)

Proportion W

Cover = 2" ½bar ≤ .5"

$v_c \cong 60$

$d_{min} = \sqrt{7.4/12 \times v_c} =$

T = 10.3" + 2.5" = 12.8"

T: USE 13"

d = USE 10.6±

Check As Needed

$A_s = .56M/d = .69$ Try #6@6" = .88 IN²/ft

d = 13. − 2 − .37 = 10.63

d (now) = 10.6"

DESIGN FORCES

M = 13.0 1-K N = 15.8K ρ = .0069 v = 7.0K/12×10.6 = 55.0 psi

V = 7.0K $v_c = .9(1 + .0006\,N/A_g)\sqrt{f'_c} = 60.7 > 55.0$ OK

Check bending k = .282 J = .906

Reinf.: f_s = 18,459 < 24 ksi OK

Conc.: f_c = 906 < 1600 psi OK

Check Reinf. Ratio 'ρ' (rho)

ρ = .0069 ρ_b = .029

ρ/ρ_b = .24 ≅ .25 recommended < .375 max allowed OK

Check Serviceability dc = 2.37" A = 2×2.37×12/2 = 28.44

$f_s = z/(d_c \times A)^{1/3} = 93/(67.4)^{1/3} = 24{,}081 > 18.5$ ksi OK

Check Cracked Section f_r = 474 psi y_T = 6.5 I_g = 2197 in⁴

M_{cr} = 13.4 > 13.0 OK

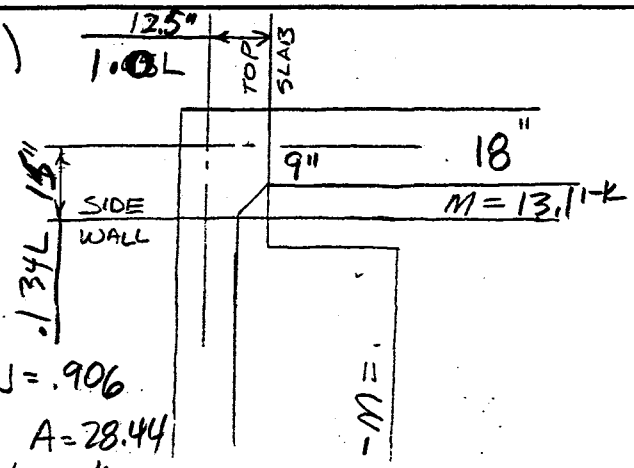
* USE T = 13" & #6@6" bh2 bars

ENTRANCO

SHEET NO 6 OF ____
PROJECT NO ____

PROJECT X-CUT
SUBJECT 2-12x10 CBC
MADE BY WSK DATE 7/94 CHECKED BY VA DATE 7/94
REVISED BY ____ DATE ____ RECHECKED BY ____ DATE ____

OTHER DESIGN SECTIONS (-M)



SIDE WALL @ TOP SLAB

V < @ BOT T = 13" OK d = 10.6

$-M = 12.6'^{-k}$ $A_s = .56M/d = .66$

Try #6 @ 6" $A_s = .88\ in^2/ft$ d = 10.6

Check σ ρ = .0069 k = .282 J = .906

$f_s = 17891$ OK $d_c = 2.37$ A = 28.44

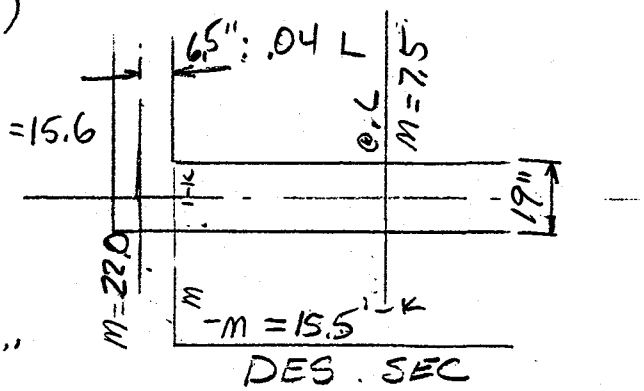
$f_c = 878$ psi OK $f_s = 98/(d_c A)^{1/3}$

$\rho/\rho_b = .24$ OK f_s (Serviceability) = 24,081 ksi > 17891 psi OK

$M_{cr} = 13.4 > 12.6$ OK

* USE T = 13" + #6 @ 6" hh1 bars

BOT SLAB @ EXT WALL (-M)



V < @ ℄ Wall T = 19.0"

#6 @ 6" from Side Wall d = 19 - 3 - .37 = 15.6

$A_s = .88$ ρ = .0047 k = .239

J = .920

$-M_c = 25.3'^{k} > 16.8^{k}$ OK

$\rho/\rho_b = .16$ OK $d_c = 2.37$"

f_s (serviceability) = 24,08 ksi OK

$M_{cr} = 28.5'^{-k} > 16.8'^{-k}$ OK

* USE T = 19" + #6 @ 6" hh2 bars

ENTRANCO

SHEET NO 7 OF ____
PROJECT NO ____

PROJECT X-CUT
SUBJECT 2-12x10 CBC
MADE BY WSK DATE 7/94 CHECKED BY VA DATE 7/94
REVISED BY ____ DATE ____ RECHECKED BY ____ DATE ____

TOP SLAB @ EXT WALL (-M) USE # @6 for Wall

V < @ ℄ Wall ok T = 18" See Sketch previous sht.

Design Force -M = 8.3 1-K @ .1L d = 18 - 2 - .37 (for #6s) = 15.6"

As = .56 M/d = .28 in² Try #6 @ 6 in As = .88 in²

ρ = .0047 K = .239 J = .920 ← from Side wall

Check stresses

fs = by Inspection psi < 24 ksi OK

fc = psi < 1600 OK

Serviceability

OK by inspection

Reinf Ratio

ρ = .0047 OK

Cracked Section fr = .474 ksi

Mcr = fr T²/6 = 25.6 1K > 1K OK

USE #6 @ 6" and T = 18"
hhl bars

ENTRANCO

SHEET NO 8 OF ____
PROJECT NO ____

PROJECT X-CUT
SUBJECT 2-12x10 CBC
MADE BY WSK DATE 7/94 CHECKED BY VA DATE 7/94
REVISED BY ____ DATE ____ RECHECKED BY ____ DATE ____

OTHER DESIGN SECTIONS +M (POS MOMENT)

MID-SPAN TOP SLAB ✓ OK 1" cover @ Top Slab

$+M = 24.3^{1-k}$ $T = 18"$ $d = 16.6"$ for #7@12" + 7@12" (# = .79 in²)

$A_s = .56M/d = .82 \text{ in}^2$ Try #6@12" (7@12") #7@12" Top bar bent to match with #7 straight

$A_s = (\#7@12" \,\&\, \#6@12") \; 1.04 \text{ in}^2$

$d = 18 - 1 - .38 = 16.6 \quad k = .250 \quad j = .917 \quad \rho = .0052$

Check Stresses $d = 16.6"$

$f_s = 18419$ psi < 24 ksi OK

$f_c = 794$ psi < 1600

Serviceability $d_c = 1 + (.37 + .44)/2 = 1.40$ $A = 1.40 \times 2 \times 12/2 = 16.8$

$f_s = 98/(d_c^2 12)^{1/3} = 34{,}205$ psi > 18,419 psi OK

< .6Fy OK

Reinf Ratio

$\rho = .0052 \quad \rho_b = .029 \quad \rho/\rho_b = .18$ < .25 reccomended < .375 max allow.

Cracked Section

$T = 18 \quad I_g = T^3 \text{ in}^4 \quad f_r = .474$ ksi $\quad M_{cr} = f_r I_g / y_T$

$M_{cr} = f_r T^2/6 = 25.6^{1k} < 22.1$ OK since Servic & ρ OK

* USE T = 18" & #7@12" alt. w/ #6@12"
(dd, bars) (ee, bars)

ENTRANCO

SHEET NO 9 OF ____
PROJECT NO ____

PROJECT X-CUT
SUBJECT 2-12x10 CBC
MADE BY WSK DATE 7/94 CHECKED BY VA DATE 7/94
REVISED BY ____ DATE ____ RECHECKED BY ____ DATE ____

OTHER DESIGN SECTIONS +M

MID-SPAN BOT. SLAB ✓ ok 2" cover ✓

+M = 21.1 ft-k T = 19.0" d = 16.6 for #7@6@6 (# = .6 in²)

A_s = .56M/d = .71 Try #5@12 #7 bar bent to match with #5@12"

A_s = (#5@12" & #7@12") = 1.01 in²

ρ = .0051 k = .248 j = .917

Check Stresses

f_s = 16,469 < 24 ksi ok

f_c = 673 < 1600

Serviceability dc = 2 + (.31 + .44)/2 = 2.37 A = 2.37 x 2 x 12/2 = 28.4

$f_s = 98/(d_c^2 12)^{1/3}$ = 24,081 > 16,469 psi OK

Reinf Ratio

ρ = .0051 ρ_b = .029 ρ/ρ_b = .18 ≤ .25 reccomended < .375 max allow.

Cracked Section

T = 19 $I_g = T^3$ in⁴ f_r = .474 ksi

$M_{cr} = 2 f_r T^2/12$ = 28.5'k < 16.0 OK since Service ρ OK

* USE #5 (ee₂ bars) @ 12" alt w/ #7 (dd₂ bars) @ 12" bent up from bot

ENTRANCO

SHEET NO 10 OF ____
PROJECT NO ____

PROJECT X-CUT
SUBJECT 2-12X10 CBC
MADE BY WSK DATE 7/94 CHECKED BY VA DATE 7/94
REVISED BY ____ DATE ____ RECHECKED BY ____ DATE ____

OTHER DESIGN SECTIONS +M Cover 1.5"

MID-SPAN WALLS - WATER SIDE ✓ ok

$M = 9.6^{1-k}$ $T = 13$ $d = 11.2"$ for #5@12 (#5 = .31 in²)

$A_s = .56M/d = .48$ Try #5@6"

$A_s = (\#5@6" + \#5@6") = .62 \text{ in}^2$

$\rho = .0047$ $k = .239$ $j = .920$

Check Stresses

$f_s = 18032 < 24 \text{ ksi}$ ok

$f_c = 696 < 1600$

Serviceability $d_c = 2 + (.31 + .31)/2 =$ $A =$ $\times 2 \times 12/2 =$

$f_s = 98/(d_c^2 12)^{1/3} =$ $>$ psi OK

Reinf Ratio

$\rho = .0047$ $\rho_b = .029$ $\rho/\rho_b = .16$ .25 reccomended < .375 max allow.

Cracked Section

$T = 13$ $I_g = T^3 \text{ in}^4$ $f_r = .474 \text{ ksi}$ $M_{cr} = f_r I_g / y_T$ $y_T = T/2$

$M_{cr} = f_r T^2/1 = 13.4^{1k} > 7.9$ OK

* T=13 #5@6" aa bars

MIDSPAN - WALL - DIRT FACE

$M = -1.0$ from above #5@6

* T = 13" #6@6" (hh, Bars) from top Slab @ sidewall extend to floor.

Since there are 2 bars in 12" all check are ok by inspection

ENTRANCO Engineers, Inc.

Sheet No. ____ of ____

Project No. ____

PROJECT: X-CUT

SUBJECT: Quantities

MADE BY: WSK DATE: 10/94 CHECKED BY: VA DATE: 10/94

REVISED BY: ____ DATE: ____ CHECKED BY: ____ DATE: ____

4000 PSI CONCRETE

ITEM DESCRIPTION	LENGTH (FT)	WIDTH (FT)	DEPTH (FT)	NO. OF ITEMS	TOTAL (CY) VOLUME
TOP SLAB	1.0	27.0	1.50	1	40.50
BOT SLAB	1.0	27.67	1.5833	1	43.81
EXT WALL	1.0	1.0833	10.0	2	21.67
TOP WALL HAUNCHES	1.0	0.50	0.50/2	4	0.50
INT WALL	1.0	0.833	10.0	1	8.33
					114.81 ft²
					4.25 CY

ENTRANCO Engineers, Inc.

Sheet No. _____ of _____

Project No. _____

PROJECT: X-CUT

SUBJECT: Quantities

MADE BY: WSK DATE: 10/94 CHECKED BY: VA DATE: 10/94

REVISED BY: _____ DATE: _____ CHECKED BY: _____ DATE: _____

REINFORCING STEEL

ITEM DESCRIPTION	BAR SIZE	UNIT WEIGHT (LBS/FT)	UNIT LENGTH (FT)	NO. OF UNITS PER ITEM	NO. OF ITEMS	TOTAL WEIGHT (TONS)
TOP SLAB						
ff1	6	1.502	26.67	1	1	40.1
dd1	7	2.044	27.67	1	1	56.6
ee1	6	1.502	26.67	1	1	40.1
gg	4	0.668	1.025 w/lap	36	1	24.6
BOT SLAB						
ff2	7	2.044	27.17	1	1	55.5
dd2	7	2.044	28.17	1	1	57.6
ee2	5	1.043	27.17	1	1	28.3
gg	4	0.668	1.025	36	1	24.6
EXT. WALL						
aa	5	1.043	12.67	2	2	52.9
hh1	6	1.502	15.25	2	2	91.6
hh2	6	1.502	11.0	2	2	66.1
cc	4	0.668	1.025	14	2	18.2
INT WALL bb	5	1.043	15.67	2	1	32.7
cc	4	0.668	1.025	14	1	9.6
						598.5

```
**************************************************
*                                                *
*          S T A A D - III                       *
*          REVISION 12.1 (VERSION 12 LEVEL 1)    *
*          PROPRIETARY PROGRAM OF                *
*          RESEARCH ENGINEERS,INC.               *
*          DATE=    JUL 22, 1994                 *
*          TIME=    13:59:40                     *
*                                                *
**************************************************
```

```
STAAD PLANE X-CUT CANAL 2-12X10 CBC
UNIT KIP FEET
JOINT COORDINATES
1 0. 11.5417 ; 2 12.9583 11.5417 ; 3 25.9167 11.5417
4 0. 0. 0. 14 25.9167 0. 0.
MEMBER INCIDENCE
1 1 2 ; 2 2 3 ; 3 1 4 ;4 2 9 ; 5 3 14 ; 6 4 5 15 1
MEMBER PROPERTIES
1 2 PRISMATIC AX 1.5000 IZ 0.2813
3 5 PRISMATIC AX 1.0833 IZ 0.1059
4 PRISMATIC AX 0.8333 IZ 0.0482
6 TO 15 PRISMATIC AX 1.5833 IZ 0.3308
CONSTANTS
E 520000. ALL
DENSITY 0.15 ALL
SUPPORTS
5 TO 13 FIXED BUT FX MZ KFY 2239.0
4 14 FIXED BUT MZ KFY 1948.0 KFX 100
*=================================================================
LOAD 1 DEAD LOAD
SELFWEIGHT Y -1.0
*==============================================================
LOAD 2 DRY 15'FILL WT.
MEMBER LOAD
1 2 UNI Y -1.65
*==============================================================
LOAD 3 DRY 15'LAT.SOIL
MEMBER LOAD
3 TRAP GX 0.95 1.64
5 TRAP GX -0.95 -1.64
*==============================================================
LOAD 13 DRY 15'LAT.SOIL TO TOP OF BOX ONLY
MEMBER LOAD
3 TRAP GX 0.05 0.74
5 TRAP GX -0.05 -0.74
*==============================================================
LOAD 4 WET 15'FILL WT.
MEMBER LOAD
1 2 UNI Y -2.10
*==============================================================
LOAD 5 WET 15'LAT.SOIL
MEMBER LOAD
3 TRAP GX 1.42 2.46
5 TRAP GX -1.42 -2.46
*==============================================================
```

```
46.     LOAD 15 WET 15'LAT.SOIL TO TOP OF BOX ONLY
47.     MEMBER LOAD
48.     3 TRAP GX 0.07 1.11
```

```
5 TRAP GX -0.07 -1.11
*============================================================
LOAD 10 SYMM LL ON 15'FILL
MEMBER LOAD
1 2 UNI Y -0.12
*============================================================
LOAD 11 UNSYMM LL ON 15'FILL
MEMBER LOAD
1 UNI Y -0.12
*============================================================
LOAD 18 BOUYANT FORCE  HGL 12' MAX ABOVE SOFFIT OF BOX
MEMBER LOAD
6 TO 15 UNI Y 1.472
*============================================================
LOAD 19 WATER INSIDE   HGL @ CROWN - FLOWING FULL CONDITION
MEMBER LOAD
6 TO 15 UNI Y -0.624
3 TRAP GX  0.000 -0.624
5 TRAP GX 0.000 0.624
*============================================================
LOAD 20 WATER INSIDE   HGL 12' MAX ABOVE SOFFIT OF BOX
MEMBER LOAD
1 2 UNI Y 0.749
6 TO 15 UNI Y -1.373
3 TRAP GX -0.749 -1.373
5 TRAP GX 0.749 1.373
*================================================================
*BEGIN LOAD COMBINATIONS FOR ANALYSIS
*================================================================
*
*LOAD COMB 100 THRU 118 FOR 1/2 LATERAL SOIL PRESSURE INVESTAGATION
*OF TOP AND BOTTOM SLABS - MEMBERS 1,2,AND 6 THRU 14
*
*================================================================
LOAD COMB 100 SELF DL
              1 1.0
*================================================================
*START DRY SOIL ANALYSIS WITH 1/2 LATERAL PRESSURES
*================================================================
LOAD COMB 101 SELF DL + HALF DRY LAT SOIL TO TOP OF BOX
              1 1.0     13 0.5
LOAD COMB 102 SELF DL + DRY 15'FILL + HALF LAT.SOIL
              1 1.0     2 1.0        3 0.5
LOAD COMB 103 SELF DL + DRY 15'FILL + HALF LAT.SOIL + SYMM.LL
              1 1.0     2 1.0        3 0.5           10 1.0
LOAD COMB 104 SELF DL + DRY 15'FILL + HALF LAT.SOIL + UNSYM.LL
              1 1.0     2 1.0        3 0.5           11 1.0
LOAD COMB 105 SELF DL + DRY 15'FILL + HALF LAT.SOIL + SYMM.LL+WATER
              1 1.0     2 1.0        3 0.5           10 1.0    19 1.0
LOAD COMB 106 SELF DL + DRY 15'FILL + HALF LAT.SOIL +UNSYM.LL+WATER
              1 1.0     2 1.0        3 0.5           11 1.0    19 1.0
LOAD COMB 107 SELF DL + DRY 15'FILL + HALF LAT.SOIL + SYMM.LL+WATER
              1 1.0     2 1.0        3 0.5           10 1.0    20 1.0
LOAD COMB 108 SELF DL + DRY 15'FILL + HALF LAT.SOIL +UNSYM.LL+WATER
              1 1.0     2 1.0        3 0.5           11 1.0    20 1.0
*================================================================
*START SATURATED SOIL ANALYSIS WITH 1/2 LATERAL PRESSURES
*================================================================
```

```
107.      LOAD COMB 111 SELF DL + HALF WET LAT SOIL TO TOP OF BOX
108.                    1 1.0     15 0.5
```

```
LOAD COMB 112 SELF DL + WET 15'FILL + HALF LAT.SOIL
                1 1.0     4 1.0        5 0.5
LOAD COMB 113 SELF DL + WET 15'FILL + HALF LAT.SOIL + SYMM.LL
                1 1.0     4 1.0        5 0.5   10 1.0
LOAD COMB 114 SELF DL + WET 15'FILL + HALF LAT.SOIL + UNSYM.LL
                1 1.0     4 1.0        5 0.5   11 1.0
LOAD COMB 115 SELF DL +WET 15'FILL +HALF LAT.SOIL +SYMM.LL+ H2O_FUL
               1 1.0     4 1.0        5 0.5  10 1.0   19 1.0  18  0.49
LOAD COMB 116 SELF DL +WET 15'FILL +HALF LAT.SOIL +UNSYM.LL+H2O_FUL
               1 1.0     4 1.0        5 0.5  11 1.0    19 1.0  18 0.49
LOAD COMB 117 SELF DL +WET 15'FILL +HALF LAT.SOIL +SYMM.LL+ H2O_PRE
               1 1.0     4 1.0        5 0.5   10 1.0    20 1.0 18  1.0
LOAD COMB 118 SELF DL +WET 15'FILL +HALF LAT.SOIL +UNSYM.LL+H2O_PRE
               1 1.0     4 1.0        5 0.5  11 1.0    20 1.0  18  1.0
*==============================================================
*BEGIN FULL LATERAL SOIL ANALYSIS FOR ALL -M AREAS & +M  WALL AREAS
*==============================================================
*
*START DRY SOIL ANALYSIS
*==============================================================
LOAD COMB 121 SELF DL + FULL DRY LAT SOIL TO TOP OF BOX
                1 1.0     13 1.0
LOAD COMB 122 SELF DL + DRY 15'FILL + FULL LAT.SOIL
                1 1.0     2 1.0        3 1.0
LOAD COMB 123 SELF DL + DRY 15'FILL + FULL LAT.SOIL + SYMM.LL
                1 1.0     2 1.0        3 1.0           10 1.0
LOAD COMB 124 SELF DL + DRY 15'FILL + FULL LAT.SOIL + UNSYM.LL
                1 1.0     2 1.0        3 1.0           11 1.0
LOAD COMB 125 SELF DL +DRY 15'FILL +FULL LAT.SOIL +SYMM.LL +H2O_FUL
               1 1.0     2 1.0        3 1.0           10 1.0    19 1.0
LOAD COMB 126 SELF DL +DRY 15'FILL +FULL LAT.SOIL +UNSYM.LL+H2O_FUL
               1 1.0     2 1.0        3 1.0           11 1.0    19 1.0
LOAD COMB 127 SELF DL +DRY 15'FILL +FULL LAT.SOIL +SYMM.LL +H2O_PRE
               1 1.0     2 1.0        3 1.0           10 1.0    20 1.0
LOAD COMB 128 SELF DL +DRY 15'FILL +FULL LAT.SOIL +UNSYM.LL+H2O_PRE
               1 1.0     2 1.0        3 1.0           11 1.0    20 1.0
*==============================================================
*START SATURATED SOIL ANALYSIS
*==============================================================
LOAD COMB 131 SELF DL + FULL WET LAT SOIL TO TOP OF BOX
                1 1.0     15 1.0
LOAD COMB 132 SELF DL + WET 15'FILL + FULL LAT.SOIL
                1 1.0     4 1.0        5 1.0
LOAD COMB 133 SELF DL + WET 15'FILL + FULL LAT.SOIL + SYMM.LL
                1 1.0     4 1.0        5 1.0   10 1.0
LOAD COMB 134 SELF DL + WET 15'FILL + FULL LAT.SOIL + UNSYM.LL
                1 1.0     4 1.0        5 0.5   11 1.0
LOAD COMB 135 SELF DL +WET 15'FILL +FULL LAT.SOIL + SYMM.LL+H2O_FUL
               1 1.0     4 1.0        5 1.0  10 1.0    19 1.0  18 0.49
LOAD COMB 136 SELF DL +WET 15'FILL +FULL LAT.SOIL +UNSYM.LL+H2O_FUL
               1 1.0     4 1.0        5 1.0  11 1.0    19 1.0  18 0.49
LOAD COMB 137 SELF DL +WET 15'FILL +FULL LAT.SOIL + SYMM.LL+H2O_PRE
               1 1.0     4 1.0        5 1.0  10 1.0    20 1.0  18 1.0
LOAD COMB 138 SELF DL +WET 15'FILL +FULL LAT.SOIL +UNSYM.LL+H2O_PRE
               1 1.0     4 1.0        5 1.0  11 1.0    20 1.0  18 1.0
*==============================================================
PERFORM ANALYSIS
```

P R O B L E M S T A T I S T I C S

NUMBER OF JOINTS/MEMBER+ELEMENTS/SUPPORTS = 14/ 15/ 11
ORGINAL/FINAL BAND-WIDTH = 11/ 2
TOTAL PRIMARY LOAD CASES = 12, TOTAL DEGREES OF FREEDOM = 42
SIZE OF STIFFNESS MATRIX = 378 DOUBLE PREC. WORDS
TOTAL REQUIRED DISK SPACE = 0.04 MEGA-BYTES

++ PROCESSING ELEMENT STIFFNESS MATRIX. 13:59:42
++ PROCESSING GLOBAL STIFFNESS MATRIX. 13:59:42
++ PROCESSING TRIANGULAR FACTORIZATION. 13:59:43
++ CALCULATING JOINT DISPLACEMENTS. 13:59:43
++ CALCULATING ELEMENT FORCES. 13:59:43

166. PRINT ANALYSIS RESULTS LIST

JOINT DISPLACEMENT (INCH RADIANS) STRUCTURE TYPE = PLANE

JOINT	LOAD	X-TRANS	Y-TRANS	Z-TRANS	X-ROTAN	Y-ROTAN	Z-ROTAN
1	1	-0.00001	-0.01187	0.00000	0.00000	0.00000	-0.00005
	2	0.00009	-0.02838	0.00000	0.00000	0.00000	-0.00046
	3	0.00132	0.00312	0.00000	0.00000	0.00000	0.00024
	13	0.00030	0.00132	0.00000	0.00000	0.00000	0.00006
	4	0.00012	-0.03612	0.00000	0.00000	0.00000	-0.00059
	5	0.00198	0.00467	0.00000	0.00000	0.00000	0.00036
	15	0.00045	0.00198	0.00000	0.00000	0.00000	0.00010
	10	0.00001	-0.00206	0.00000	0.00000	0.00000	-0.00003
	11	-0.00059	-0.00251	0.00000	0.00000	0.00000	-0.00003
	18	-0.00004	0.01630	0.00000	0.00000	0.00000	0.00002
	19	-0.00020	-0.00801	0.00000	0.00000	0.00000	-0.00006
	20	-0.00108	-0.00492	0.00000	0.00000	0.00000	-0.00001
	100	-0.00001	-0.01187	0.00000	0.00000	0.00000	-0.00005
	101	0.00014	-0.01121	0.00000	0.00000	0.00000	-0.00002
	102	0.00074	-0.03869	0.00000	0.00000	0.00000	-0.00039
	103	0.00075	-0.04075	0.00000	0.00000	0.00000	-0.00043
	104	0.00015	-0.04120	0.00000	0.00000	0.00000	-0.00043
	105	0.00054	-0.04876	0.00000	0.00000	0.00000	-0.00049
	106	-0.00005	-0.04921	0.00000	0.00000	0.00000	-0.00049
	107	-0.00033	-0.04567	0.00000	0.00000	0.00000	-0.00043
	108	-0.00093	-0.04612	0.00000	0.00000	0.00000	-0.00043
	111	0.00021	-0.01088	0.00000	0.00000	0.00000	0.00000
	112	0.00109	-0.04565	0.00000	0.00000	0.00000	-0.00046
	113	0.00110	-0.04771	0.00000	0.00000	0.00000	-0.00049
	114	0.00051	-0.04816	0.00000	0.00000	0.00000	-0.00049
	115	0.00088	-0.04774	0.00000	0.00000	0.00000	-0.00054
	116	0.00028	-0.04819	0.00000	0.00000	0.00000	-0.00054
	117	-0.00002	-0.03633	0.00000	0.00000	0.00000	-0.00048
	118	-0.00061	-0.03678	0.00000	0.00000	0.00000	-0.00048
	121	0.00029	-0.01055	0.00000	0.00000	0.00000	0.00001
	122	0.00140	-0.03713	0.00000	0.00000	0.00000	-0.00027
	123	0.00141	-0.03919	0.00000	0.00000	0.00000	-0.00031
	124	0.00081	-0.03964	0.00000	0.00000	0.00000	-0.00031
	125	0.00120	-0.04720	0.00000	0.00000	0.00000	-0.00036
	126	0.00061	-0.04765	0.00000	0.00000	0.00000	-0.00036
	127	0.00033	-0.04411	0.00000	0.00000	0.00000	-0.00031
	128	-0.00027	-0.04456	0.00000	0.00000	0.00000	-0.00031
	131	0.00043	-0.00989	0.00000	0.00000	0.00000	0.00004
	132	0.00209	-0.04331	0.00000	0.00000	0.00000	-0.00028
	133	0.00209	-0.04538	0.00000	0.00000	0.00000	-0.00031
	134	0.00051	-0.04816	0.00000	0.00000	0.00000	-0.00049
	135	0.00187	-0.04540	0.00000	0.00000	0.00000	-0.00036
	136	0.00128	-0.04585	0.00000	0.00000	0.00000	-0.00036
	137	0.00098	-0.03400	0.00000	0.00000	0.00000	-0.00030
	138	0.00038	-0.03444	0.00000	0.00000	0.00000	-0.00030
2	1	0.00000	-0.01051	0.00000	0.00000	0.00000	0.00000
	2	0.00000	-0.03772	0.00000	0.00000	0.00000	0.00000
	3	0.00000	0.00244	0.00000	0.00000	0.00000	0.00000

JOINT DISPLACEMENT (INCH RADIANS) STRUCTURE TYPE = PLANE

JOINT	LOAD	X-TRANS	Y-TRANS	Z-TRANS	X-ROTAN	Y-ROTAN	Z-ROTAN
	13	0.00000	0.00060	0.00000	0.00000	0.00000	0.00000
	4	0.00000	-0.04801	0.00000	0.00000	0.00000	0.00000
	5	0.00000	0.00365	0.00000	0.00000	0.00000	0.00000
	15	0.00000	0.00089	0.00000	0.00000	0.00000	0.00000
	10	0.00000	-0.00274	0.00000	0.00000	0.00000	0.00000
	11	-0.00059	-0.00137	0.00000	0.00000	0.00000	0.00004
	18	0.00000	0.02038	0.00000	0.00000	0.00000	0.00000
	19	0.00000	-0.00909	0.00000	0.00000	0.00000	0.00000
	20	0.00000	-0.00386	0.00000	0.00000	0.00000	0.00000
	100	0.00000	-0.01051	0.00000	0.00000	0.00000	0.00000
	101	0.00000	-0.01021	0.00000	-0.00000	0.00000	0.00000
	102	0.00000	-0.04701	0.00000	0.00000	0.00000	0.00000
	103	0.00000	-0.04975	0.00000	0.00000	0.00000	0.00000
	104	-0.00059	-0.04838	0.00000	0.00000	0.00000	0.00004
	105	0.00000	-0.05884	0.00000	0.00000	0.00000	0.00000
	106	-0.00059	-0.05747	0.00000	0.00000	0.00000	0.00004
	107	0.00000	-0.05361	0.00000	0.00000	0.00000	0.00000
	108	-0.00059	-0.05224	0.00000	0.00000	0.00000	0.00004
	111	0.00000	-0.01006	0.00000	0.00000	0.00000	0.00000
	112	0.00000	-0.05669	0.00000	0.00000	0.00000	0.00000
	113	0.00000	-0.05944	0.00000	0.00000	0.00000	0.00000
	114	-0.00059	-0.05807	0.00000	0.00000	0.00000	0.00004
	115	0.00000	-0.05854	0.00000	0.00000	0.00000	0.00000
	116	-0.00059	-0.05717	0.00000	0.00000	0.00000	0.00004
	117	0.00000	-0.04292	0.00000	0.00000	0.00000	0.00000
	118	-0.00059	-0.04155	0.00000	0.00000	0.00000	0.00004
	121	0.00000	-0.00991	0.00000	0.00000	0.00000	0.00000
	122	0.00000	-0.04579	0.00000	0.00000	0.00000	0.00000
	123	0.00000	-0.04854	0.00000	0.00000	0.00000	0.00000
	124	-0.00059	-0.04717	0.00000	0.00000	0.00000	0.00004
	125	0.00000	-0.05762	0.00000	0.00000	0.00000	0.00000
	126	-0.00059	-0.05625	0.00000	0.00000	0.00000	0.00004
	127	0.00000	-0.05240	0.00000	0.00000	0.00000	0.00000
	128	-0.00059	-0.05103	0.00000	0.00000	0.00000	0.00004
	131	0.00000	-0.00961	0.00000	0.00000	0.00000	0.00000
	132	0.00000	-0.05487	0.00000	0.00000	0.00000	0.00000
	133	0.00000	-0.05761	0.00000	0.00000	0.00000	0.00000
	134	-0.00059	-0.05807	0.00000	0.00000	0.00000	0.00004
	135	0.00000	-0.05672	0.00000	0.00000	0.00000	0.00000
	136	-0.00059	-0.05534	0.00000	0.00000	0.00000	0.00004
	137	0.00000	-0.04110	0.00000	0.00000	0.00000	0.00000
	138	-0.00059	-0.03972	0.00000	0.00000	0.00000	0.00004
3	1	0.00001	-0.01187	0.00000	0.00000	0.00000	0.00005
	2	-0.00009	-0.02838	0.00000	0.00000	0.00000	0.00046
	3	-0.00132	0.00312	0.00000	0.00000	0.00000	-0.00024
	13	-0.00030	0.00132	0.00000	0.00000	0.00000	-0.00006
	4	-0.00012	-0.03612	0.00000	0.00000	0.00000	0.00059
	5	-0.00198	0.00467	0.00000	0.00000	0.00000	-0.00036

JOINT DISPLACEMENT (INCH RADIANS) STRUCTURE TYPE = PLANE

JOINT	LOAD	X-TRANS	Y-TRANS	Z-TRANS	X-ROTAN	Y-ROTAN	Z-ROTAN
	15	-0.00045	0.00198	0.00000	0.00000	0.00000	-0.00010
	10	-0.00001	-0.00206	0.00000	0.00000	0.00000	0.00003
	11	-0.00059	0.00045	0.00000	0.00000	0.00000	0.00000
	18	0.00004	0.01630	0.00000	0.00000	0.00000	-0.00002
	19	0.00020	-0.00801	0.00000	0.00000	0.00000	0.00006
	20	0.00108	-0.00492	0.00000	0.00000	0.00000	0.00001
	100	0.00001	-0.01187	0.00000	0.00000	0.00000	0.00005
	101	-0.00014	-0.01121	0.00000	0.00000	0.00000	0.00002
	102	-0.00074	-0.03869	0.00000	0.00000	0.00000	0.00039
	103	-0.00075	-0.04075	0.00000	0.00000	0.00000	0.00043
	104	-0.00134	-0.03824	0.00000	0.00000	0.00000	0.00039
	105	-0.00054	-0.04876	0.00000	0.00000	0.00000	0.00049
	106	-0.00113	-0.04625	0.00000	0.00000	0.00000	0.00045
	107	0.00033	-0.04567	0.00000	0.00000	0.00000	0.00043
	108	-0.00025	-0.04316	0.00000	0.00000	0.00000	0.00040
	111	-0.00021	-0.01088	0.00000	0.00000	0.00000	0.00000
	112	-0.00110	-0.04565	0.00000	0.00000	0.00000	0.00046
	113	-0.00110	-0.04771	0.00000	0.00000	0.00000	0.00049
	114	-0.00169	-0.04520	0.00000	0.00000	0.00000	0.00046
	115	-0.00088	-0.04774	0.00000	0.00000	0.00000	0.00054
	116	-0.00147	-0.04523	0.00000	0.00000	0.00000	0.00051
	117	0.00002	-0.03633	0.00000	0.00000	0.00000	0.00048
	118	-0.00057	-0.03382	0.00000	0.00000	0.00000	0.00045
	121	-0.00029	-0.01055	0.00000	0.00000	0.00000	-0.00001
	122	-0.00140	-0.03713	0.00000	0.00000	0.00000	0.00027
	123	-0.00141	-0.03919	0.00000	0.00000	0.00000	0.00031
	124	-0.00200	-0.03668	0.00000	0.00000	0.00000	0.00027
	125	-0.00120	-0.04721	0.00000	0.00000	0.00000	0.00036
	126	-0.00179	-0.04469	0.00000	0.00000	0.00000	0.00033
	127	-0.00033	-0.04411	0.00000	0.00000	0.00000	0.00031
	128	-0.00092	-0.04160	0.00000	0.00000	0.00000	0.00028
	131	-0.00043	-0.00989	0.00000	0.00000	0.00000	-0.00004
	132	-0.00209	-0.04331	0.00000	0.00000	0.00000	0.00028
	133	-0.00209	-0.04538	0.00000	0.00000	0.00000	0.00031
	134	-0.00169	-0.04520	0.00000	0.00000	0.00000	0.00046
	135	-0.00187	-0.04540	0.00000	0.00000	0.00000	0.00036
	136	-0.00246	-0.04289	0.00000	0.00000	0.00000	0.00033
	137	-0.00098	-0.03400	0.00000	0.00000	0.00000	0.00030
	138	-0.00156	-0.03148	0.00000	0.00000	0.00000	0.00026
4	1	0.00001	-0.01137	0.00000	0.00000	0.00000	0.00008
	2	-0.00009	-0.02619	0.00000	0.00000	0.00000	0.00027
	3	0.00157	0.00344	0.00000	0.00000	0.00000	-0.00024
	13	0.00058	0.00141	0.00000	0.00000	0.00000	-0.00009
	4	-0.00011	-0.03334	0.00000	0.00000	0.00000	0.00035
	5	0.00235	0.00516	0.00000	0.00000	0.00000	-0.00036
	15	0.00086	0.00212	0.00000	0.00000	0.00000	-0.00013
	10	-0.00001	-0.00190	0.00000	0.00000	0.00000	0.00002
	11	0.00000	-0.00233	0.00000	0.00000	0.00000	0.00003

JOINT DISPLACEMENT (INCH RADIANS) STRUCTURE TYPE = PLANE

JOINT	LOAD	X-TRANS	Y-TRANS	Z-TRANS	X-ROTAN	Y-ROTAN	Z-ROTAN
	18	0.00003	0.01625	0.00000	0.00000	0.00000	0.00006
	19	-0.00049	-0.00807	0.00000	0.00000	0.00000	0.00005
	20	-0.00129	-0.00613	0.00000	0.00000	0.00000	0.00002
	100	0.00001	-0.01137	0.00000	0.00000	0.00000	0.00008
	101	0.00030	-0.01066	0.00000	0.00000	0.00000	0.00004
	102	0.00071	-0.03584	0.00000	0.00000	0.00000	0.00023
	103	0.00070	-0.03774	0.00000	0.00000	0.00000	0.00025
	104	0.00071	-0.03817	0.00000	0.00000	0.00000	0.00026
	105	0.00022	-0.04581	0.00000	0.00000	0.00000	0.00030
	106	0.00022	-0.04624	0.00000	0.00000	0.00000	0.00031
	107	-0.00059	-0.04388	0.00000	0.00000	0.00000	0.00028
	108	-0.00058	-0.04431	0.00000	0.00000	0.00000	0.00029
	111	0.00044	-0.01031	0.00000	0.00000	0.00000	0.00002
	112	0.00108	-0.04212	0.00000	0.00000	0.00000	0.00025
	113	0.00107	-0.04403	0.00000	0.00000	0.00000	0.00027
	114	0.00107	-0.04446	0.00000	0.00000	0.00000	0.00028
	115	0.00060	-0.04413	0.00000	0.00000	0.00000	0.00034
	116	0.00060	-0.04456	0.00000	0.00000	0.00000	0.00035
	117	-0.00018	-0.03391	0.00000	0.00000	0.00000	0.00035
	118	-0.00018	-0.03434	0.00000	0.00000	0.00000	0.00036
	121	0.00059	-0.00995	0.00000	0.00000	0.00000	0.00000
	122	0.00149	-0.03412	0.00000	0.00000	0.00000	0.00011
	123	0.00149	-0.03602	0.00000	0.00000	0.00000	0.00013
	124	0.00149	-0.03645	0.00000	0.00000	0.00000	0.00014
	125	0.00100	-0.04409	0.00000	0.00000	0.00000	0.00018
	126	0.00100	-0.04452	0.00000	0.00000	0.00000	0.00019
	127	0.00020	-0.04216	0.00000	0.00000	0.00000	0.00016
	128	0.00020	-0.04259	0.00000	0.00000	0.00000	0.00017
	131	0.00087	-0.00925	0.00000	0.00000	0.00000	-0.00005
	132	0.00225	-0.03954	0.00000	0.00000	0.00000	0.00007
	133	0.00224	-0.04145	0.00000	0.00000	0.00000	0.00009
	134	0.00107	-0.04446	0.00000	0.00000	0.00000	0.00028
	135	0.00177	-0.04155	0.00000	0.00000	0.00000	0.00016
	136	0.00178	-0.04198	0.00000	0.00000	0.00000	0.00017
	137	0.00099	-0.03133	0.00000	0.00000	0.00000	0.00017
	138	0.00099	-0.03176	0.00000	0.00000	0.00000	0.00018
5	1	0.00001	-0.00883	0.00000	0.00000	0.00000	0.00007
	2	-0.00007	-0.01843	0.00000	0.00000	0.00000	0.00020
	3	0.00125	-0.00135	0.00000	0.00000	0.00000	-0.00008
	13	0.00046	-0.00034	0.00000	0.00000	0.00000	-0.00003
	4	-0.00009	-0.02346	0.00000	0.00000	0.00000	0.00025
	5	0.00188	-0.00202	0.00000	0.00000	0.00000	-0.00012
	15	0.00069	-0.00051	0.00000	0.00000	0.00000	-0.00005
	10	-0.00001	-0.00134	0.00000	0.00000	0.00000	0.00001
	11	0.00000	-0.00146	0.00000	0.00000	0.00000	0.00002
	18	0.00003	0.01799	0.00000	0.00000	0.00000	0.00005
	19	-0.00039	-0.00737	0.00000	0.00000	0.00000	0.00000
	20	-0.00103	-0.00731	0.00000	0.00000	0.00000	-0.00007

JOINT DISPLACEMENT (INCH RADIANS) STRUCTURE TYPE = PLANE

JOINT	LOAD	X-TRANS	Y-TRANS	Z-TRANS	X-ROTAN	Y-ROTAN	Z-ROTAN
	100	0.00001	-0.00883	0.00000	0.00000	0.00000	0.00007
	101	0.00024	-0.00900	0.00000	0.00000	0.00000	0.00006
	102	0.00057	-0.02794	0.00000	0.00000	0.00000	0.00023
	103	0.00056	-0.02928	0.00000	0.00000	0.00000	0.00024
	104	0.00057	-0.02940	0.00000	0.00000	0.00000	0.00025
	105	0.00017	-0.03665	0.00000	0.00000	0.00000	0.00025
	106	0.00018	-0.03677	0.00000	0.00000	0.00000	0.00026
	107	-0.00047	-0.03659	0.00000	0.00000	0.00000	0.00017
	108	-0.00046	-0.03671	0.00000	0.00000	0.00000	0.00018
	111	0.00036	-0.00908	0.00000	0.00000	0.00000	0.00005
	112	0.00086	-0.03330	0.00000	0.00000	0.00000	0.00026
	113	0.00086	-0.03464	0.00000	0.00000	0.00000	0.00028
	114	0.00086	-0.03477	0.00000	0.00000	0.00000	0.00029
	115	0.00048	-0.03320	0.00000	0.00000	0.00000	0.00030
	116	0.00048	-0.03332	0.00000	0.00000	0.00000	0.00031
	117	-0.00015	-0.02397	0.00000	0.00000	0.00000	0.00026
	118	-0.00014	-0.02409	0.00000	0.00000	0.00000	0.00027
	121	0.00047	-0.00917	0.00000	0.00000	0.00000	0.00004
	122	0.00119	-0.02862	0.00000	0.00000	0.00000	0.00019
	123	0.00119	-0.02996	0.00000	0.00000	0.00000	0.00020
	124	0.00119	-0.03008	0.00000	0.00000	0.00000	0.00021
	125	0.00080	-0.03732	0.00000	0.00000	0.00000	0.00021
	126	0.00080	-0.03745	0.00000	0.00000	0.00000	0.00022
	127	0.00016	-0.03727	0.00000	0.00000	0.00000	0.00013
	128	0.00016	-0.03739	0.00000	0.00000	0.00000	0.00014
	131	0.00070	-0.00934	0.00000	0.00000	0.00000	0.00003
	132	0.00180	-0.03432	0.00000	0.00000	0.00000	0.00020
	133	0.00179	-0.03566	0.00000	0.00000	0.00000	0.00022
	134	0.00086	-0.03477	0.00000	0.00000	0.00000	0.00029
	135	0.00142	-0.03421	0.00000	0.00000	0.00000	0.00025
	136	0.00142	-0.03433	0.00000	0.00000	0.00000	0.00026
	137	0.00079	-0.02498	0.00000	0.00000	0.00000	0.00020
	138	0.00080	-0.02510	0.00000	0.00000	0.00000	0.00021
6	1	0.00001	-0.00727	0.00000	0.00000	0.00000	0.00003
	2	-0.00005	-0.01523	0.00000	0.00000	0.00000	0.00000
	3	0.00094	-0.00218	0.00000	0.00000	0.00000	0.00002
	13	0.00035	-0.00073	0.00000	0.00000	0.00000	0.00000
	4	-0.00007	-0.01938	0.00000	0.00000	0.00000	0.00000
	5	0.00141	-0.00326	0.00000	0.00000	0.00000	0.00002
	15	0.00052	-0.00110	0.00000	0.00000	0.00000	0.00000
	10	0.00000	-0.00111	0.00000	0.00000	0.00000	0.00000
	11	0.00000	-0.00090	0.00000	0.00000	0.00000	0.00001
	18	0.00002	0.01933	0.00000	0.00000	0.00000	0.00003
	19	-0.00029	-0.00760	0.00000	0.00000	0.00000	-0.00002
	20	-0.00077	-0.00932	0.00000	0.00000	0.00000	-0.00005
	100	0.00001	-0.00727	0.00000	0.00000	0.00000	0.00003
	101	0.00018	-0.00763	0.00000	0.00000	0.00000	0.00003
	102	0.00043	-0.02358	0.00000	0.00000	0.00000	0.00004

JOINT DISPLACEMENT (INCH RADIANS) STRUCTURE TYPE = PLANE

JOINT	LOAD	X-TRANS	Y-TRANS	Z-TRANS	X-ROTAN	Y-ROTAN	Z-ROTAN
	103	0.00042	-0.02469	0.00000	0.00000	0.00000	0.00004
	104	0.00042	-0.02448	0.00000	0.00000	0.00000	0.00005
	105	0.00013	-0.03229	0.00000	0.00000	0.00000	0.00002
	106	0.00013	-0.03209	0.00000	0.00000	0.00000	0.00003
	107	-0.00035	-0.03401	0.00000	0.00000	0.00000	-0.00001
	108	-0.00035	-0.03380	0.00000	0.00000	0.00000	0.00000
	111	0.00027	-0.00781	0.00000	0.00000	0.00000	0.00003
	112	0.00065	-0.02828	0.00000	0.00000	0.00000	0.00004
	113	0.00064	-0.02939	0.00000	0.00000	0.00000	0.00004
	114	0.00064	-0.02918	0.00000	0.00000	0.00000	0.00005
	115	0.00036	-0.02752	0.00000	0.00000	0.00000	0.00004
	116	0.00036	-0.02731	0.00000	0.00000	0.00000	0.00005
	117	-0.00011	-0.01938	0.00000	0.00000	0.00000	0.00003
	118	-0.00011	-0.01917	0.00000	0.00000	0.00000	0.00004
	121	0.00035	-0.00800	0.00000	0.00000	0.00000	0.00003
	122	0.00090	-0.02467	0.00000	0.00000	0.00000	0.00004
	123	0.00089	-0.02578	0.00000	0.00000	0.00000	0.00004
	124	0.00089	-0.02557	0.00000	0.00000	0.00000	0.00006
	125	0.00060	-0.03338	0.00000	0.00000	0.00000	0.00003
	126	0.00060	-0.03317	0.00000	0.00000	0.00000	0.00004
	127	0.00012	-0.03510	0.00000	0.00000	0.00000	0.00000
	128	0.00012	-0.03489	0.00000	0.00000	0.00000	0.00001
	131	0.00052	-0.00836	0.00000	0.00000	0.00000	0.00003
	132	0.00135	-0.02991	0.00000	0.00000	0.00000	0.00005
	133	0.00135	-0.03102	0.00000	0.00000	0.00000	0.00005
	134	0.00064	-0.02918	0.00000	0.00000	0.00000	0.00005
	135	0.00106	-0.02915	0.00000	0.00000	0.00000	0.00005
	136	0.00107	-0.02894	0.00000	0.00000	0.00000	0.00007
	137	0.00059	-0.02101	0.00000	0.00000	0.00000	0.00004
	138	0.00060	-0.02081	0.00000	0.00000	0.00000	0.00005
7	1	0.00001	-0.00722	0.00000	0.00000	0.00000	-0.00002
	2	-0.00004	-0.01816	0.00000	0.00000	0.00000	-0.00018
	3	0.00063	-0.00098	0.00000	0.00000	0.00000	0.00005
	13	0.00023	-0.00042	0.00000	0.00000	0.00000	0.00002
	4	-0.00004	-0.02311	0.00000	0.00000	0.00000	-0.00023
	5	0.00094	-0.00147	0.00000	0.00000	0.00000	0.00008
	15	0.00034	-0.00063	0.00000	0.00000	0.00000	0.00002
	10	0.00000	-0.00132	0.00000	0.00000	0.00000	-0.00001
	11	0.00000	-0.00076	0.00000	0.00000	0.00000	0.00000
	18	0.00001	0.02011	0.00000	0.00000	0.00000	0.00002
	19	-0.00019	-0.00817	0.00000	0.00000	0.00000	-0.00002
	20	-0.00052	-0.00970	0.00000	0.00000	0.00000	0.00002
	100	0.00001	-0.00722	0.00000	0.00000	0.00000	-0.00002
	101	0.00012	-0.00743	0.00000	0.00000	0.00000	-0.00001
	102	0.00028	-0.02586	0.00000	0.00000	0.00000	-0.00017
	103	0.00028	-0.02718	0.00000	0.00000	0.00000	-0.00019
	104	0.00028	-0.02662	0.00000	0.00000	0.00000	-0.00018
	105	0.00009	-0.03536	0.00000	0.00000	0.00000	-0.00021

JOINT DISPLACEMENT (INCH RADIANS) STRUCTURE TYPE = PLANE

JOINT	LOAD	X-TRANS	Y-TRANS	Z-TRANS	X-ROTAN	Y-ROTAN	Z-ROTAN
	106	0.00009	-0.03479	0.00000	0.00000	0.00000	-0.00020
	107	-0.00023	-0.03688	0.00000	0.00000	0.00000	-0.00017
	108	-0.00023	-0.03632	0.00000	0.00000	0.00000	-0.00015
	111	0.00018	-0.00753	0.00000	0.00000	0.00000	-0.00001
	112	0.00043	-0.03106	0.00000	0.00000	0.00000	-0.00021
	113	0.00043	-0.03238	0.00000	0.00000	0.00000	-0.00022
	114	0.00043	-0.03182	0.00000	0.00000	0.00000	-0.00021
	115	0.00024	-0.03070	0.00000	0.00000	0.00000	-0.00023
	116	0.00024	-0.03014	0.00000	0.00000	0.00000	-0.00022
	117	-0.00007	-0.02197	0.00000	0.00000	0.00000	-0.00018
	118	-0.00007	-0.02141	0.00000	0.00000	0.00000	-0.00017
	121	0.00024	-0.00764	0.00000	0.00000	0.00000	-0.00001
	122	0.00060	-0.02635	0.00000	0.00000	0.00000	-0.00015
	123	0.00059	-0.02767	0.00000	0.00000	0.00000	-0.00016
	124	0.00060	-0.02711	0.00000	0.00000	0.00000	-0.00015
	125	0.00040	-0.03585	0.00000	0.00000	0.00000	-0.00018
	126	0.00040	-0.03528	0.00000	0.00000	0.00000	-0.00017
	127	0.00008	-0.03737	0.00000	0.00000	0.00000	-0.00014
	128	0.00008	-0.03681	0.00000	0.00000	0.00000	-0.00013
	131	0.00035	-0.00784	0.00000	0.00000	0.00000	0.00000
	132	0.00090	-0.03179	0.00000	0.00000	0.00000	-0.00017
	133	0.00090	-0.03311	0.00000	0.00000	0.00000	-0.00018
	134	0.00043	-0.03182	0.00000	0.00000	0.00000	-0.00021
	135	0.00071	-0.03144	0.00000	0.00000	0.00000	-0.00019
	136	0.00071	-0.03087	0.00000	0.00000	0.00000	-0.00018
	137	0.00040	-0.02270	0.00000	0.00000	0.00000	-0.00014
	138	0.00040	-0.02214	0.00000	0.00000	0.00000	-0.00013
8	1	0.00000	-0.00828	0.00000	0.00000	0.00000	-0.00004
	2	-0.00002	-0.02512	0.00000	0.00000	0.00000	-0.00023
	3	0.00031	0.00072	0.00000	0.00000	0.00000	0.00005
	13	0.00012	0.00009	0.00000	0.00000	0.00000	0.00001
	4	-0.00002	-0.03197	0.00000	0.00000	0.00000	-0.00030
	5	0.00047	0.00108	0.00000	0.00000	0.00000	0.00007
	15	0.00017	0.00013	0.00000	0.00000	0.00000	0.00002
	10	0.00000	-0.00183	0.00000	0.00000	0.00000	-0.00002
	11	0.00000	-0.00091	0.00000	0.00000	0.00000	-0.00001
	18	0.00001	0.02043	0.00000	0.00000	0.00000	0.00000
	19	-0.00010	-0.00871	0.00000	0.00000	0.00000	-0.00001
	20	-0.00026	-0.00823	0.00000	0.00000	0.00000	0.00006
	100	0.00000	-0.00828	0.00000	0.00000	0.00000	-0.00004
	101	0.00006	-0.00824	0.00000	0.00000	0.00000	-0.00003
	102	0.00014	-0.03304	0.00000	0.00000	0.00000	-0.00025
	103	0.00014	-0.03486	0.00000	0.00000	0.00000	-0.00027
	104	0.00014	-0.03395	0.00000	0.00000	0.00000	-0.00026
	105	0.00004	-0.04357	0.00000	0.00000	0.00000	-0.00028
	106	0.00005	-0.04266	0.00000	0.00000	0.00000	-0.00027
	107	-0.00012	-0.04309	0.00000	0.00000	0.00000	-0.00021
	108	-0.00011	-0.04218	0.00000	0.00000	0.00000	-0.00020

JOINT DISPLACEMENT (INCH RADIANS) STRUCTURE TYPE = PLANE

JOINT	LOAD	X-TRANS	Y-TRANS	Z-TRANS	X-ROTAN	Y-ROTAN	Z-ROTAN
	111	0.00009	-0.00822	0.00000	0.00000	0.00000	-0.00003
	112	0.00022	-0.03971	0.00000	0.00000	0.00000	-0.00030
	113	0.00021	-0.04153	0.00000	0.00000	0.00000	-0.00032
	114	0.00022	-0.04062	0.00000	0.00000	0.00000	-0.00031
	115	0.00012	-0.04023	0.00000	0.00000	0.00000	-0.00033
	116	0.00012	-0.03932	0.00000	0.00000	0.00000	-0.00032
	117	-0.00004	-0.02933	0.00000	0.00000	0.00000	-0.00025
	118	-0.00003	-0.02842	0.00000	0.00000	0.00000	-0.00024
	121	0.00012	-0.00819	0.00000	0.00000	0.00000	-0.00003
	122	0.00030	-0.03268	0.00000	0.00000	0.00000	-0.00023
	123	0.00030	-0.03450	0.00000	0.00000	0.00000	-0.00024
	124	0.00030	-0.03359	0.00000	0.00000	0.00000	-0.00023
	125	0.00020	-0.04321	0.00000	0.00000	0.00000	-0.00026
	126	0.00020	-0.04230	0.00000	0.00000	0.00000	-0.00025
	127	0.00004	-0.04273	0.00000	0.00000	0.00000	-0.00018
	128	0.00004	-0.04182	0.00000	0.00000	0.00000	-0.00017
	131	0.00017	-0.00815	0.00000	0.00000	0.00000	-0.00002
	132	0.00045	-0.03917	0.00000	0.00000	0.00000	-0.00027
	133	0.00045	-0.04100	0.00000	0.00000	0.00000	-0.00028
	134	0.00022	-0.04062	0.00000	0.00000	0.00000	-0.00031
	135	0.00035	-0.03969	0.00000	0.00000	0.00000	-0.00029
	136	0.00036	-0.03878	0.00000	0.00000	0.00000	-0.00028
	137	0.00020	-0.02879	0.00000	0.00000	0.00000	-0.00022
	138	0.00020	-0.02788	0.00000	0.00000	0.00000	-0.00021
9	1	0.00000	-0.00911	0.00000	0.00000	0.00000	0.00000
	2	0.00000	-0.02974	0.00000	0.00000	0.00000	0.00000
	3	0.00000	0.00159	0.00000	0.00000	0.00000	0.00000
	13	0.00000	0.00035	0.00000	0.00000	0.00000	0.00000
	4	0.00000	-0.03785	0.00000	0.00000	0.00000	0.00000
	5	0.00000	0.00238	0.00000	0.00000	0.00000	0.00000
	15	0.00000	0.00052	0.00000	0.00000	0.00000	0.00000
	10	0.00000	-0.00216	0.00000	0.00000	0.00000	0.00000
	11	0.00000	-0.00108	0.00000	0.00000	0.00000	0.00000
	18	0.00000	0.02049	0.00000	0.00000	0.00000	0.00000
	19	0.00000	-0.00894	0.00000	0.00000	0.00000	0.00000
	20	0.00000	-0.00690	0.00000	0.00000	0.00000	0.00000
	100	0.00000	-0.00911	0.00000	0.00000	0.00000	0.00000
	101	0.00000	-0.00894	0.00000	0.00000	0.00000	0.00000
	102	0.00000	-0.03806	0.00000	0.00000	0.00000	0.00000
	103	0.00000	-0.04022	0.00000	0.00000	0.00000	0.00000
	104	0.00000	-0.03914	0.00000	0.00000	0.00000	0.00000
	105	0.00000	-0.04916	0.00000	0.00000	0.00000	0.00000
	106	0.00000	-0.04808	0.00000	0.00000	0.00000	0.00000
	107	0.00000	-0.04712	0.00000	0.00000	0.00000	0.00000
	108	0.00000	-0.04603	0.00000	0.00000	0.00000	0.00000
	111	0.00000	-0.00885	0.00000	0.00000	0.00000	0.00000
	112	0.00000	-0.04577	0.00000	0.00000	0.00000	0.00000
	113	0.00000	-0.04793	0.00000	0.00000	0.00000	0.00000

JOINT DISPLACEMENT (INCH RADIANS) STRUCTURE TYPE = PLANE

JOINT	LOAD	X-TRANS	Y-TRANS	Z-TRANS	X-ROTAN	Y-ROTAN	Z-ROTAN
	114	0.00000	-0.04685	0.00000	0.00000	0.00000	0.00000
	115	0.00000	-0.04683	0.00000	0.00000	0.00000	0.00000
	116	0.00000	-0.04575	0.00000	0.00000	0.00000	0.00000
	117	0.00000	-0.03434	0.00000	0.00000	0.00000	0.00000
	118	0.00000	-0.03326	0.00000	0.00000	0.00000	0.00000
	121	0.00000	-0.00876	0.00000	0.00000	0.00000	0.00000
	122	0.00000	-0.03726	0.00000	0.00000	0.00000	0.00000
	123	0.00000	-0.03942	0.00000	0.00000	0.00000	0.00000
	124	0.00000	-0.03834	0.00000	0.00000	0.00000	0.00000
	125	0.00000	-0.04836	0.00000	0.00000	0.00000	0.00000
	126	0.00000	-0.04728	0.00000	0.00000	0.00000	0.00000
	127	0.00000	-0.04632	0.00000	0.00000	0.00000	0.00000
	128	0.00000	-0.04524	0.00000	0.00000	0.00000	0.00000
	131	0.00000	-0.00859	0.00000	0.00000	0.00000	0.00000
	132	0.00000	-0.04458	0.00000	0.00000	0.00000	0.00000
	133	0.00000	-0.04674	0.00000	0.00000	0.00000	0.00000
	134	0.00000	-0.04685	0.00000	0.00000	0.00000	0.00000
	135	0.00000	-0.04564	0.00000	0.00000	0.00000	0.00000
	136	0.00000	-0.04456	0.00000	0.00000	0.00000	0.00000
	137	0.00000	-0.03315	0.00000	0.00000	0.00000	0.00000
	138	0.00000	-0.03207	0.00000	0.00000	0.00000	0.00000
10	1	0.00000	-0.00828	0.00000	0.00000	0.00000	0.00004
	2	0.00002	-0.02512	0.00000	0.00000	0.00000	0.00023
	3	-0.00031	0.00072	0.00000	0.00000	0.00000	-0.00005
	13	-0.00012	0.00009	0.00000	0.00000	0.00000	-0.00001
	4	0.00002	-0.03197	0.00000	0.00000	0.00000	0.00030
	5	-0.00047	0.00108	0.00000	0.00000	0.00000	-0.00007
	15	-0.00017	0.00013	0.00000	0.00000	0.00000	-0.00002
	10	0.00000	-0.00183	0.00000	0.00000	0.00000	0.00002
	11	0.00000	-0.00091	0.00000	0.00000	0.00000	0.00001
	18	-0.00001	0.02043	0.00000	0.00000	0.00000	0.00000
	19	0.00010	-0.00871	0.00000	0.00000	0.00000	0.00001
	20	0.00026	-0.00823	0.00000	0.00000	0.00000	-0.00006
	100	0.00000	-0.00828	0.00000	0.00000	0.00000	0.00004
	101	-0.00006	-0.00824	0.00000	0.00000	0.00000	0.00003
	102	-0.00014	-0.03304	0.00000	0.00000	0.00000	0.00025
	103	-0.00014	-0.03486	0.00000	0.00000	0.00000	0.00027
	104	-0.00014	-0.03395	0.00000	0.00000	0.00000	0.00026
	105	-0.00004	-0.04357	0.00000	0.00000	0.00000	0.00028
	106	-0.00004	-0.04265	0.00000	0.00000	0.00000	0.00027
	107	0.00012	-0.04309	0.00000	0.00000	0.00000	0.00021
	108	0.00012	-0.04217	0.00000	0.00000	0.00000	0.00020
	111	-0.00009	-0.00822	0.00000	0.00000	0.00000	0.00003
	112	-0.00022	-0.03971	0.00000	0.00000	0.00000	0.00030
	113	-0.00021	-0.04153	0.00000	0.00000	0.00000	0.00032
	114	-0.00021	-0.04062	0.00000	0.00000	0.00000	0.00031
	115	-0.00012	-0.04023	0.00000	0.00000	0.00000	0.00033
	116	-0.00012	-0.03932	0.00000	0.00000	0.00000	0.00032

JOINT DISPLACEMENT (INCH RADIANS) STRUCTURE TYPE = PLANE

JOINT	LOAD	X-TRANS	Y-TRANS	Z-TRANS	X-ROTAN	Y-ROTAN	Z-ROTAN
	117	0.00004	-0.02933	0.00000	0.00000	0.00000	0.00025
	118	0.00004	-0.02842	0.00000	0.00000	0.00000	0.00024
	121	-0.00012	-0.00819	0.00000	0.00000	0.00000	0.00003
	122	-0.00030	-0.03268	0.00000	0.00000	0.00000	0.00023
	123	-0.00030	-0.03450	0.00000	0.00000	0.00000	0.00024
	124	-0.00030	-0.03359	0.00000	0.00000	0.00000	0.00024
	125	-0.00020	-0.04321	0.00000	0.00000	0.00000	0.00026
	126	-0.00020	-0.04230	0.00000	0.00000	0.00000	0.00025
	127	-0.00004	-0.04273	0.00000	0.00000	0.00000	0.00018
	128	-0.00004	-0.04181	0.00000	0.00000	0.00000	0.00017
	131	-0.00017	-0.00815	0.00000	0.00000	0.00000	0.00002
	132	-0.00045	-0.03917	0.00000	0.00000	0.00000	0.00027
	133	-0.00045	-0.04100	0.00000	0.00000	0.00000	0.00028
	134	-0.00021	-0.04062	0.00000	0.00000	0.00000	0.00031
	135	-0.00035	-0.03969	0.00000	0.00000	0.00000	0.00029
	136	-0.00035	-0.03878	0.00000	0.00000	0.00000	0.00029
	137	-0.00020	-0.02879	0.00000	0.00000	0.00000	0.00022
	138	-0.00020	-0.02788	0.00000	0.00000	0.00000	0.00021
11	1	-0.00001	-0.00722	0.00000	0.00000	0.00000	0.00002
	2	0.00004	-0.01816	0.00000	0.00000	0.00000	0.00018
	3	-0.00063	-0.00098	0.00000	0.00000	0.00000	-0.00005
	13	-0.00023	-0.00042	0.00000	0.00000	0.00000	-0.00002
	4	0.00004	-0.02311	0.00000	0.00000	0.00000	0.00023
	5	-0.00094	-0.00147	0.00000	0.00000	0.00000	-0.00008
	15	-0.00034	-0.00063	0.00000	0.00000	0.00000	-0.00002
	10	0.00000	-0.00132	0.00000	0.00000	0.00000	0.00001
	11	0.00000	-0.00056	0.00000	0.00000	0.00000	0.00001
	18	-0.00001	0.02011	0.00000	0.00000	0.00000	-0.00002
	19	0.00019	-0.00817	0.00000	0.00000	0.00000	0.00002
	20	0.00052	-0.00970	0.00000	0.00000	0.00000	-0.00002
	100	-0.00001	-0.00722	0.00000	0.00000	0.00000	0.00002
	101	-0.00012	-0.00743	0.00000	0.00000	0.00000	0.00001
	102	-0.00028	-0.02586	0.00000	0.00000	0.00000	0.00017
	103	-0.00028	-0.02718	0.00000	0.00000	0.00000	0.00019
	104	-0.00028	-0.02643	0.00000	0.00000	0.00000	0.00019
	105	-0.00009	-0.03536	0.00000	0.00000	0.00000	0.00021
	106	-0.00009	-0.03460	0.00000	0.00000	0.00000	0.00021
	107	0.00023	-0.03688	0.00000	0.00000	0.00000	0.00017
	108	0.00023	-0.03612	0.00000	0.00000	0.00000	0.00016
	111	-0.00018	-0.00753	0.00000	0.00000	0.00000	0.00001
	112	-0.00043	-0.03106	0.00000	0.00000	0.00000	0.00021
	113	-0.00043	-0.03238	0.00000	0.00000	0.00000	0.00022
	114	-0.00043	-0.03162	0.00000	0.00000	0.00000	0.00022
	115	-0.00024	-0.03070	0.00000	0.00000	0.00000	0.00023
	116	-0.00024	-0.02995	0.00000	0.00000	0.00000	0.00023
	117	0.00007	-0.02197	0.00000	0.00000	0.00000	0.00018
	118	0.00007	-0.02121	0.00000	0.00000	0.00000	0.00018
	121	-0.00024	-0.00764	0.00000	0.00000	0.00000	0.00001

JOINT DISPLACEMENT (INCH RADIANS) STRUCTURE TYPE = PLANE

JOINT	LOAD	X-TRANS	Y-TRANS	Z-TRANS	X-ROTAN	Y-ROTAN	Z-ROTAN
	122	-0.00060	-0.02635	0.00000	0.00000	0.00000	0.00015
	123	-0.00059	-0.02767	0.00000	0.00000	0.00000	0.00016
	124	-0.00059	-0.02692	0.00000	0.00000	0.00000	0.00016
	125	-0.00040	-0.03585	0.00000	0.00000	0.00000	0.00018
	126	-0.00040	-0.03509	0.00000	0.00000	0.00000	0.00018
	127	-0.00008	-0.03737	0.00000	0.00000	0.00000	0.00014
	128	-0.00008	-0.03661	0.00000	0.00000	0.00000	0.00014
	131	-0.00035	-0.00784	0.00000	0.00000	0.00000	0.00000
	132	-0.00090	-0.03179	0.00000	0.00000	0.00000	0.00017
	133	-0.00090	-0.03311	0.00000	0.00000	0.00000	0.00018
	134	-0.00043	-0.03162	0.00000	0.00000	0.00000	0.00022
	135	-0.00071	-0.03144	0.00000	0.00000	0.00000	0.00019
	136	-0.00071	-0.03068	0.00000	0.00000	0.00000	0.00019
	137	-0.00040	-0.02270	0.00000	0.00000	0.00000	0.00014
	138	-0.00040	-0.02195	0.00000	0.00000	0.00000	0.00014
12	1	-0.00001	-0.00727	0.00000	0.00000	0.00000	-0.00003
	2	0.00005	-0.01523	0.00000	0.00000	0.00000	0.00000
	3	-0.00094	-0.00218	0.00000	0.00000	0.00000	-0.00002
	13	-0.00035	-0.00073	0.00000	0.00000	0.00000	0.00000
	4	0.00007	-0.01938	0.00000	0.00000	0.00000	0.00000
	5	-0.00141	-0.00326	0.00000	0.00000	0.00000	-0.00002
	15	-0.00052	-0.00110	0.00000	0.00000	0.00000	0.00000
	10	0.00000	-0.00111	0.00000	0.00000	0.00000	0.00000
	11	0.00000	-0.00021	0.00000	0.00000	0.00000	0.00001
	18	-0.00002	0.01933	0.00000	0.00000	0.00000	-0.00003
	19	0.00029	-0.00760	0.00000	0.00000	0.00000	0.00002
	20	0.00077	-0.00932	0.00000	0.00000	0.00000	0.00005
	100	-0.00001	-0.00727	0.00000	0.00000	0.00000	-0.00003
	101	-0.00018	-0.00763	0.00000	0.00000	0.00000	-0.00003
	102	-0.00043	-0.02358	0.00000	0.00000	0.00000	-0.00004
	103	-0.00042	-0.02469	0.00000	0.00000	0.00000	-0.00004
	104	-0.00042	-0.02379	0.00000	0.00000	0.00000	-0.00003
	105	-0.00013	-0.03229	0.00000	0.00000	0.00000	-0.00002
	106	-0.00013	-0.03139	0.00000	0.00000	0.00000	-0.00001
	107	0.00035	-0.03401	0.00000	0.00000	0.00000	0.00001
	108	0.00035	-0.03311	0.00000	0.00000	0.00000	0.00002
	111	-0.00027	-0.00781	0.00000	0.00000	0.00000	-0.00003
	112	-0.00065	-0.02828	0.00000	0.00000	0.00000	-0.00004
	113	-0.00064	-0.02939	0.00000	0.00000	0.00000	-0.00004
	114	-0.00064	-0.02848	0.00000	0.00000	0.00000	-0.00003
	115	-0.00036	-0.02752	0.00000	0.00000	0.00000	-0.00004
	116	-0.00036	-0.02662	0.00000	0.00000	0.00000	-0.00003
	117	0.00011	-0.01938	0.00000	0.00000	0.00000	-0.00003
	118	0.00011	-0.01848	0.00000	0.00000	0.00000	-0.00002
	121	-0.00035	-0.00800	0.00000	0.00000	0.00000	-0.00003
	122	-0.00090	-0.02467	0.00000	0.00000	0.00000	-0.00004
	123	-0.00089	-0.02578	0.00000	0.00000	0.00000	-0.00004
	124	-0.00089	-0.02488	0.00000	0.00000	0.00000	-0.00003

JOINT DISPLACEMENT (INCH RADIANS) STRUCTURE TYPE = PLANE

JOINT	LOAD	X-TRANS	Y-TRANS	Z-TRANS	X-ROTAN	Y-ROTAN	Z-ROTAN
	125	-0.00060	-0.03338	0.00000	0.00000	0.00000	-0.00003
	126	-0.00060	-0.03248	0.00000	0.00000	0.00000	-0.00002
	127	-0.00012	-0.03510	0.00000	0.00000	0.00000	0.00000
	128	-0.00012	-0.03420	0.00000	0.00000	0.00000	0.00001
	131	-0.00052	-0.00836	0.00000	0.00000	0.00000	-0.00003
	132	-0.00135	-0.02991	0.00000	0.00000	0.00000	-0.00005
	133	-0.00135	-0.03102	0.00000	0.00000	0.00000	-0.00005
	134	-0.00064	-0.02848	0.00000	0.00000	0.00000	-0.00003
	135	-0.00106	-0.02915	0.00000	0.00000	0.00000	-0.00005
	136	-0.00107	-0.02825	0.00000	0.00000	0.00000	-0.00004
	137	-0.00059	-0.02101	0.00000	0.00000	0.00000	-0.00004
	138	-0.00059	-0.02011	0.00000	0.00000	0.00000	-0.00003
13	1	-0.00001	-0.00883	0.00000	0.00000	0.00000	-0.00007
	2	0.00007	-0.01843	0.00000	0.00000	0.00000	-0.00020
	3	-0.00125	-0.00135	0.00000	0.00000	0.00000	0.00008
	13	-0.00046	-0.00034	0.00000	0.00000	0.00000	0.00003
	4	0.00009	-0.02346	0.00000	0.00000	0.00000	-0.00025
	5	-0.00188	-0.00202	0.00000	0.00000	0.00000	0.00012
	15	-0.00069	-0.00051	0.00000	0.00000	0.00000	0.00005
	10	0.00001	-0.00134	0.00000	0.00000	0.00000	-0.00001
	11	0.00000	0.00012	0.00000	0.00000	0.00000	0.00001
	18	-0.00003	0.01799	0.00000	0.00000	0.00000	-0.00005
	19	0.00039	-0.00737	0.00000	0.00000	0.00000	0.00000
	20	0.00103	-0.00731	0.00000	0.00000	0.00000	0.00007
	100	-0.00001	-0.00883	0.00000	0.00000	0.00000	-0.00007
	101	-0.00024	-0.00900	0.00000	0.00000	0.00000	-0.00006
	102	-0.00057	-0.02794	0.00000	0.00000	0.00000	-0.00023
	103	-0.00056	-0.02928	0.00000	0.00000	0.00000	-0.00024
	104	-0.00056	-0.02782	0.00000	0.00000	0.00000	-0.00022
	105	-0.00017	-0.03665	0.00000	0.00000	0.00000	-0.00025
	106	-0.00018	-0.03518	0.00000	0.00000	0.00000	-0.00022
	107	0.00047	-0.03659	0.00000	0.00000	0.00000	-0.00017
	108	0.00047	-0.03513	0.00000	0.00000	0.00000	-0.00015
	111	-0.00036	-0.00908	0.00000	0.00000	0.00000	-0.00005
	112	-0.00086	-0.03330	0.00000	0.00000	0.00000	-0.00026
	113	-0.00086	-0.03465	0.00000	0.00000	0.00000	-0.00028
	114	-0.00086	-0.03318	0.00000	0.00000	0.00000	-0.00025
	115	-0.00048	-0.03320	0.00000	0.00000	0.00000	-0.00030
	116	-0.00048	-0.03174	0.00000	0.00000	0.00000	-0.00028
	117	0.00015	-0.02397	0.00000	0.00000	0.00000	-0.00026
	118	0.00014	-0.02251	0.00000	0.00000	0.00000	-0.00023
	121	-0.00047	-0.00917	0.00000	0.00000	0.00000	-0.00004
	122	-0.00119	-0.02862	0.00000	0.00000	0.00000	-0.00019
	123	-0.00119	-0.02996	0.00000	0.00000	0.00000	-0.00020
	124	-0.00119	-0.02849	0.00000	0.00000	0.00000	-0.00018
	125	-0.00080	-0.03732	0.00000	0.00000	0.00000	-0.00021
	126	-0.00080	-0.03586	0.00000	0.00000	0.00000	-0.00018
	127	-0.00016	-0.03727	0.00000	0.00000	0.00000	-0.00013

JOINT DISPLACEMENT (INCH RADIANS) STRUCTURE TYPE = PLANE

JOINT	LOAD	X-TRANS	Y-TRANS	Z-TRANS	X-ROTAN	Y-ROTAN	Z-ROTAN
	128	-0.00016	-0.03580	0.00000	0.00000	0.00000	-0.00011
	131	-0.00070	-0.00934	0.00000	0.00000	0.00000	-0.00003
	132	-0.00180	-0.03432	0.00000	0.00000	0.00000	-0.00020
	133	-0.00179	-0.03566	0.00000	0.00000	0.00000	-0.00022
	134	-0.00086	-0.03318	0.00000	0.00000	0.00000	-0.00025
	135	-0.00142	-0.03421	0.00000	0.00000	0.00000	-0.00025
	136	-0.00142	-0.03275	0.00000	0.00000	0.00000	-0.00022
	137	-0.00079	-0.02498	0.00000	0.00000	0.00000	-0.00020
	138	-0.00079	-0.02352	0.00000	0.00000	0.00000	-0.00017
14	1	-0.00001	-0.01137	0.00000	0.00000	0.00000	-0.00008
	2	0.00009	-0.02619	0.00000	0.00000	0.00000	-0.00027
	3	-0.00157	0.00344	0.00000	0.00000	0.00000	0.00024
	13	-0.00058	0.00141	0.00000	0.00000	0.00000	0.00009
	4	0.00011	-0.03334	0.00000	0.00000	0.00000	-0.00035
	5	-0.00235	0.00516	0.00000	0.00000	0.00000	0.00036
	15	-0.00086	0.00212	0.00000	0.00000	0.00000	0.00013
	10	0.00001	-0.00190	0.00000	0.00000	0.00000	-0.00002
	11	0.00000	0.00043	0.00000	0.00000	0.00000	0.00001
	18	-0.00003	0.01625	0.00000	0.00000	0.00000	-0.00006
	19	0.00049	-0.00807	0.00000	0.00000	0.00000	-0.00005
	20	0.00129	-0.00613	0.00000	0.00000	0.00000	-0.00002
	100	-0.00001	-0.01137	0.00000	0.00000	0.00000	-0.00008
	101	-0.00030	-0.01066	0.00000	0.00000	0.00000	-0.00004
	102	-0.00071	-0.03584	0.00000	0.00000	0.00000	-0.00023
	103	-0.00070	-0.03774	0.00000	0.00000	0.00000	-0.00025
	104	-0.00071	-0.03541	0.00000	0.00000	0.00000	-0.00023
	105	-0.00022	-0.04581	0.00000	0.00000	0.00000	-0.00030
	106	-0.00022	-0.04348	0.00000	0.00000	0.00000	-0.00027
	107	0.00059	-0.04388	0.00000	0.00000	0.00000	-0.00028
	108	0.00058	-0.04154	0.00000	0.00000	0.00000	-0.00025
	111	-0.00044	-0.01031	0.00000	0.00000	0.00000	-0.00002
	112	-0.00108	-0.04212	0.00000	0.00000	0.00000	-0.00025
	113	-0.00107	-0.04403	0.00000	0.00000	0.00000	-0.00027
	114	-0.00107	-0.04169	0.00000	0.00000	0.00000	-0.00024
	115	-0.00060	-0.04413	0.00000	0.00000	0.00000	-0.00034
	116	-0.00060	-0.04180	0.00000	0.00000	0.00000	-0.00031
	117	0.00018	-0.03391	0.00000	0.00000	0.00000	-0.00035
	118	0.00018	-0.03157	0.00000	0.00000	0.00000	-0.00032
	121	-0.00059	-0.00995	0.00000	0.00000	0.00000	0.00000
	122	-0.00149	-0.03412	0.00000	0.00000	0.00000	-0.00011
	123	-0.00149	-0.03602	0.00000	0.00000	0.00000	-0.00013
	124	-0.00149	-0.03369	0.00000	0.00000	0.00000	-0.00010
	125	-0.00100	-0.04409	0.00000	0.00000	0.00000	-0.00018
	126	-0.00100	-0.04176	0.00000	0.00000	0.00000	-0.00015
	127	-0.00020	-0.04216	0.00000	0.00000	0.00000	-0.00016
	128	-0.00020	-0.03982	0.00000	0.00000	0.00000	-0.00013
	131	-0.00087	-0.00925	0.00000	0.00000	0.00000	0.00005
	132	-0.00225	-0.03954	0.00000	0.00000	0.00000	-0.00007

JOINT DISPLACEMENT (INCH RADIANS) STRUCTURE TYPE = PLANE

JOINT	LOAD	X-TRANS	Y-TRANS	Z-TRANS	X-ROTAN	Y-ROTAN	Z-ROTAN
	133	-0.00224	-0.04145	0.00000	0.00000	0.00000	-0.00009
	134	-0.00107	-0.04169	0.00000	0.00000	0.00000	-0.00024
	135	-0.00177	-0.04155	0.00000	0.00000	0.00000	-0.00016
	136	-0.00178	-0.03922	0.00000	0.00000	0.00000	-0.00013
	137	-0.00099	-0.03133	0.00000	0.00000	0.00000	-0.00017
	138	-0.00099	-0.02900	0.00000	0.00000	0.00000	-0.00014

SUPPORT REACTIONS -UNIT KIP FEET STRUCTURE TYPE = PLANE

JOINT	LOAD	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM Z
5	1	0.00	1.65	0.00	0.00	0.00	0.00
	2	0.00	3.44	0.00	0.00	0.00	0.00
	3	0.00	0.25	0.00	0.00	0.00	0.00
	13	0.00	0.06	0.00	0.00	0.00	0.00
	4	0.00	4.38	0.00	0.00	0.00	0.00
	5	0.00	0.38	0.00	0.00	0.00	0.00
	15	0.00	0.09	0.00	0.00	0.00	0.00
	10	0.00	0.25	0.00	0.00	0.00	0.00
	11	0.00	0.27	0.00	0.00	0.00	0.00
	18	0.00	-3.36	0.00	0.00	0.00	0.00
	19	0.00	1.37	0.00	0.00	0.00	0.00
	20	0.00	1.36	0.00	0.00	0.00	0.00
	100	0.00	1.65	0.00	0.00	0.00	0.00
	101	0.00	1.68	0.00	0.00	0.00	0.00
	102	0.00	5.21	0.00	0.00	0.00	0.00
	103	0.00	5.46	0.00	0.00	0.00	0.00
	104	0.00	5.49	0.00	0.00	0.00	0.00
	105	0.00	6.84	0.00	0.00	0.00	0.00
	106	0.00	6.86	0.00	0.00	0.00	0.00
	107	0.00	6.83	0.00	0.00	0.00	0.00
	108	0.00	6.85	0.00	0.00	0.00	0.00
	111	0.00	1.70	0.00	0.00	0.00	0.00
	112	0.00	6.21	0.00	0.00	0.00	0.00
	113	0.00	6.46	0.00	0.00	0.00	0.00
	114	0.00	6.49	0.00	0.00	0.00	0.00
	115	0.00	6.19	0.00	0.00	0.00	0.00
	116	0.00	6.22	0.00	0.00	0.00	0.00
	117	0.00	4.47	0.00	0.00	0.00	0.00
	118	0.00	4.49	0.00	0.00	0.00	0.00
	121	0.00	1.71	0.00	0.00	0.00	0.00
	122	0.00	5.34	0.00	0.00	0.00	0.00
	123	0.00	5.59	0.00	0.00	0.00	0.00
	124	0.00	5.61	0.00	0.00	0.00	0.00
	125	0.00	6.96	0.00	0.00	0.00	0.00
	126	0.00	6.99	0.00	0.00	0.00	0.00
	127	0.00	6.95	0.00	0.00	0.00	0.00
	128	0.00	6.98	0.00	0.00	0.00	0.00
	131	0.00	1.74	0.00	0.00	0.00	0.00
	132	0.00	6.40	0.00	0.00	0.00	0.00
	133	0.00	6.65	0.00	0.00	0.00	0.00
	134	0.00	6.49	0.00	0.00	0.00	0.00
	135	0.00	6.38	0.00	0.00	0.00	0.00
	136	0.00	6.41	0.00	0.00	0.00	0.00
	137	0.00	4.66	0.00	0.00	0.00	0.00
	138	0.00	4.68	0.00	0.00	0.00	0.00
6	1	0.00	1.36	0.00	0.00	0.00	0.00
	2	0.00	2.84	0.00	0.00	0.00	0.00
	3	0.00	0.41	0.00	0.00	0.00	0.00
	13	0.00	0.14	0.00	0.00	0.00	0.00
	4	0.00	3.62	0.00	0.00	0.00	0.00

SUPPORT REACTIONS -UNIT KIP FEET STRUCTURE TYPE = PLANE

JOINT	LOAD	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM Z
	5	0.00	0.61	0.00	0.00	0.00	0.00
	15	0.00	0.20	0.00	0.00	0.00	0.00
	10	0.00	0.21	0.00	0.00	0.00	0.00
	11	0.00	0.17	0.00	0.00	0.00	0.00
	18	0.00	-3.61	0.00	0.00	0.00	0.00
	19	0.00	1.42	0.00	0.00	0.00	0.00
	20	0.00	1.74	0.00	0.00	0.00	0.00
	100	0.00	1.36	0.00	0.00	0.00	0.00
	101	0.00	1.42	0.00	0.00	0.00	0.00
	102	0.00	4.40	0.00	0.00	0.00	0.00
	103	0.00	4.61	0.00	0.00	0.00	0.00
	104	0.00	4.57	0.00	0.00	0.00	0.00
	105	0.00	6.03	0.00	0.00	0.00	0.00
	106	0.00	5.99	0.00	0.00	0.00	0.00
	107	0.00	6.35	0.00	0.00	0.00	0.00
	108	0.00	6.31	0.00	0.00	0.00	0.00
	111	0.00	1.46	0.00	0.00	0.00	0.00
	112	0.00	5.28	0.00	0.00	0.00	0.00
	113	0.00	5.48	0.00	0.00	0.00	0.00
	114	0.00	5.44	0.00	0.00	0.00	0.00
	115	0.00	5.13	0.00	0.00	0.00	0.00
	116	0.00	5.10	0.00	0.00	0.00	0.00
	117	0.00	3.62	0.00	0.00	0.00	0.00
	118	0.00	3.58	0.00	0.00	0.00	0.00
	121	0.00	1.49	0.00	0.00	0.00	0.00
	122	0.00	4.60	0.00	0.00	0.00	0.00
	123	0.00	4.81	0.00	0.00	0.00	0.00
	124	0.00	4.77	0.00	0.00	0.00	0.00
	125	0.00	6.23	0.00	0.00	0.00	0.00
	126	0.00	6.19	0.00	0.00	0.00	0.00
	127	0.00	6.55	0.00	0.00	0.00	0.00
	128	0.00	6.51	0.00	0.00	0.90	0.00
	131	0.00	1.56	0.00	0.00	0.00	0.00
	132	0.00	5.58	0.00	0.00	0.00	0.00
	133	0.00	5.79	0.00	0.00	0.00	0.00
	134	0.00	5.44	0.00	0.00	0.00	0.00
	135	0.00	5.44	0.00	0.00	0.00	0.00
	136	0.00	5.40	0.00	0.00	0.00	0.00
	137	0.00	3.92	0.00	0.00	0.00	0.00
	138	0.00	3.88	0.00	0.00	0.00	0.00
7	1	0.00	1.35	0.00	0.00	0.00	0.00
	2	0.00	3.39	0.00	0.00	0.00	0.00
	3	0.00	0.18	0.00	0.00	0.00	0.00
	13	0.00	0.08	0.00	0.00	0.00	0.00
	4	0.00	4.31	0.00	0.00	0.00	0.00
	5	0.00	0.27	0.00	0.00	0.00	0.00
	15	0.00	0.12	0.00	0.00	0.00	0.00
	10	0.00	0.25	0.00	0.00	0.00	0.00
	11	0.00	0.14	0.00	0.00	0.00	0.00
	18	0.00	-3.75	0.00	0.00	0.00	0.00

SUPPORT REACTIONS -UNIT KIP FEET STRUCTURE TYPE = PLANE

JOINT	LOAD	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM Z
	19	0.00	1.53	0.00	0.00	0.00	0.00
	20	0.00	1.81	0.00	0.00	0.00	0.00
	100	0.00	1.35	0.00	0.00	0.00	0.00
	101	0.00	1.39	0.00	0.00	0.00	0.00
	102	0.00	4.83	0.00	0.00	0.00	0.00
	103	0.00	5.07	0.00	0.00	0.00	0.00
	104	0.00	4.97	0.00	0.00	0.00	0.00
	105	0.00	6.60	0.00	0.00	0.00	0.00
	106	0.00	6.49	0.00	0.00	0.00	0.00
	107	0.00	6.88	0.00	0.00	0.00	0.00
	108	0.00	6.78	0.00	0.00	0.00	0.00
	111	0.00	1.41	0.00	0.00	0.00	0.00
	112	0.00	5.80	0.00	0.00	0.00	0.00
	113	0.00	6.04	0.00	0.00	0.00	0.00
	114	0.00	5.94	0.00	0.00	0.00	0.00
	115	0.00	5.73	0.00	0.00	0.00	0.00
	116	0.00	5.62	0.00	0.00	0.00	0.00
	117	0.00	4.10	0.00	0.00	0.00	0.00
	118	0.00	3.99	0.00	0.00	0.00	0.00
	121	0.00	1.42	0.00	0.00	0.00	0.00
	122	0.00	4.92	0.00	0.00	0.00	0.00
	123	0.00	5.16	0.00	0.00	0.00	0.00
	124	0.00	5.06	0.00	0.00	0.00	0.00
	125	0.00	6.69	0.00	0.00	0.00	0.00
	126	0.00	6.58	0.00	0.00	0.00	0.00
	127	0.00	6.97	0.00	0.00	0.00	0.00
	128	0.00	6.87	0.00	0.00	0.00	0.00
	131	0.00	1.46	0.00	0.00	0.00	0.00
	132	0.00	5.93	0.00	0.00	0.00	0.00
	133	0.00	6.18	0.00	0.00	0.00	0.00
	134	0.00	5.94	0.00	0.00	0.00	0.00
	135	0.00	5.87	0.00	0.00	0.00	0.00
	136	0.00	5.76	0.00	0.00	0.00	0.00
	137	0.00	4.24	0.00	0.00	0.00	0.00
	138	0.00	4.13	0.00	0.00	0.00	0.00
8	1	0.00	1.54	0.00	0.00	0.00	0.00
	2	0.00	4.69	0.00	0.00	0.00	0.00
	3	0.00	-0.13	0.00	0.00	0.00	0.00
	13	0.00	-0.02	0.00	0.00	0.00	0.00
	4	0.00	5.96	0.00	0.00	0.00	0.00
	5	0.00	-0.20	0.00	0.00	0.00	0.00
	15	0.00	-0.02	0.00	0.00	0.00	0.00
	10	0.00	0.34	0.00	0.00	0.00	0.00
	11	0.00	0.17	0.00	0.00	0.00	0.00
	18	0.00	-3.81	0.00	0.00	0.00	0.00
	19	0.00	1.62	0.00	0.00	0.00	0.00
	20	0.00	1.53	0.00	0.00	0.00	0.00
	100	0.00	1.54	0.00	0.00	0.00	0.00
	101	0.00	1.54	0.00	0.00	0.00	0.00
	102	0.00	6.16	0.00	0.00	0.00	0.00

SUPPORT REACTIONS -UNIT KIP FEET STRUCTURE TYPE = PLANE

JOINT	LOAD	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM Z
	103	0.00	6.50	0.00	0.00	0.00	0.00
	104	0.00	6.33	0.00	0.00	0.00	0.00
	105	0.00	8.13	0.00	0.00	0.00	0.00
	106	0.00	7.96	0.00	0.00	0.00	0.00
	107	0.00	8.04	0.00	0.00	0.00	0.00
	108	0.00	7.87	0.00	0.00	0.00	0.00
	111	0.00	1.53	0.00	0.00	0.00	0.00
	112	0.00	7.41	0.00	0.00	0.00	0.00
	113	0.00	7.75	0.00	0.00	0.00	0.00
	114	0.00	7.58	0.00	0.00	0.00	0.00
	115	0.00	7.51	0.00	0.00	0.00	0.00
	116	0.00	7.34	0.00	0.00	0.00	0.00
	117	0.00	5.47	0.00	0.00	0.00	0.00
	118	0.00	5.30	0.00	0.00	0.00	0.00
	121	0.00	1.53	0.00	0.00	0.00	0.00
	122	0.00	6.10	0.00	0.00	0.00	0.00
	123	0.00	6.44	0.00	0.00	0.00	0.00
	124	0.00	6.27	0.00	0.00	0.00	0.00
	125	0.00	8.06	0.00	0.00	0.00	0.00
	126	0.00	7.89	0.00	0.00	0.00	0.00
	127	0.00	7.97	0.00	0.00	0.00	0.00
	128	0.00	7.80	0.00	0.00	0.00	0.00
	131	0.00	1.52	0.00	0.00	0.00	0.00
	132	0.00	7.31	0.00	0.00	0.00	0.00
	133	0.00	7.65	0.00	0.00	0.00	0.00
	134	0.00	7.58	0.00	0.00	0.00	0.00
	135	0.00	7.41	0.00	0.00	0.00	0.00
	136	0.00	7.24	0.00	0.00	0.00	0.00
	137	0.00	5.37	0.00	0.00	0.00	0.00
	138	0.00	5.20	0.00	0.00	0.00	0.00
9	1	0.00	1.70	0.00	0.00	0.00	0.00
	2	0.00	5.55	0.00	0.00	0.00	0.00
	3	0.00	-0.30	0.00	0.00	0.00	0.00
	13	0.00	-0.07	0.00	0.00	0.00	0.00
	4	0.00	7.06	0.00	0.00	0.00	0.00
	5	0.00	-0.44	0.00	0.00	0.00	0.00
	15	0.00	-0.10	0.00	0.00	0.00	0.00
	10	0.00	0.40	0.00	0.00	0.00	0.00
	11	0.00	0.20	0.00	0.00	0.00	0.00
	18	0.00	-3.82	0.00	0.00	0.00	0.00
	19	0.00	1.67	0.00	0.00	0.00	0.00
	20	0.00	1.29	0.00	0.00	0.00	0.00
	100	0.00	1.70	0.00	0.00	0.00	0.00
	101	0.00	1.67	0.00	0.00	0.00	0.00
	102	0.00	7.10	0.00	0.00	0.00	0.00
	103	0.00	7.50	0.00	0.00	0.00	0.00
	104	0.00	7.30	0.00	0.00	0.00	0.00
	105	0.00	9.17	0.00	0.00	0.00	0.00
	106	0.00	8.97	0.00	0.00	0.00	0.00
	107	0.00	8.79	0.00	0.00	0.00	0.00

SUPPORT REACTIONS -UNIT KIP FEET STRUCTURE TYPE = PLANE

JOINT	LOAD	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM Z
	108	0.00	8.59	0.00	0.00	0.00	0.00
	111	0.00	1.65	0.00	0.00	0.00	0.00
	112	0.00	8.54	0.00	0.00	0.00	0.00
	113	0.00	8.94	0.00	0.00	0.00	0.00
	114	0.00	8.74	0.00	0.00	0.00	0.00
	115	0.00	8.74	0.00	0.00	0.00	0.00
	116	0.00	8.54	0.00	0.00	0.00	0.00
	117	0.00	6.41	0.00	0.00	0.00	0.00
	118	0.00	6.21	0.00	0.00	0.00	0.00
	121	0.00	1.63	0.00	0.00	0.00	0.00
	122	0.00	6.95	0.00	0.00	0.00	0.00
	123	0.00	7.36	0.00	0.00	0.00	0.00
	124	0.00	7.15	0.00	0.00	0.00	0.00
	125	0.00	9.02	0.00	0.00	0.00	0.00
	126	0.00	8.82	0.00	0.00	0.00	0.00
	127	0.00	8.64	0.00	0.00	0.00	0.00
	128	0.00	8.44	0.00	0.00	0.00	0.00
	131	0.00	1.60	0.00	0.00	0.00	0.00
	132	0.00	8.32	0.00	0.00	0.00	0.00
	133	0.00	8.72	0.00	0.00	0.00	0.00
	134	0.00	8.74	0.00	0.00	0.00	0.00
	135	0.00	8.52	0.00	0.00	0.00	0.00
	136	0.00	8.31	0.00	0.00	0.00	0.00
	137	0.00	6.19	0.00	0.00	0.00	0.00
	138	0.00	5.98	0.00	0.00	0.00	0.00
10	1	0.00	1.54	0.00	0.00	0.00	0.00
	2	0.00	4.69	0.00	0.00	0.00	0.00
	3	0.00	-0.13	0.00	0.00	0.00	0.00
	13	0.00	-0.02	0.00	0.00	0.00	0.00
	4	0.00	5.96	0.00	0.00	0.00	0.00
	5	0.00	-0.20	0.00	0.00	0.00	0.00
	15	0.00	-0.02	0.00	0.00	0.00	0.00
	10	0.00	0.34	0.00	0.00	0.00	0.00
	11	0.00	0.17	0.00	0.00	0.00	0.00
	18	0.00	-3.81	0.00	0.00	0.00	0.00
	19	0.00	1.62	0.00	0.00	0.00	0.00
	20	0.00	1.53	0.00	0.00	0.00	0.00
	100	0.00	1.54	0.00	0.00	0.00	0.00
	101	0.00	1.54	0.00	0.00	0.00	0.00
	102	0.00	6.16	0.00	0.00	0.00	0.00
	103	0.00	6.50	0.00	0.00	0.00	0.00
	104	0.00	6.33	0.00	0.00	0.00	0.00
	105	0.00	8.13	0.00	0.00	0.00	0.00
	106	0.00	7.96	0.00	0.00	0.00	0.00
	107	0.00	8.04	0.00	0.00	0.00	0.00
	108	0.00	7.87	0.00	0.00	0.00	0.00
	111	0.00	1.53	0.00	0.00	0.00	0.00
	112	0.00	7.41	0.00	0.00	0.00	0.00
	113	0.00	7.75	0.00	0.00	0.00	0.00
	114	0.00	7.58	0.00	0.00	0.00	0.00

SUPPORT REACTIONS -UNIT KIP FEET STRUCTURE TYPE = PLANE

JOINT	LOAD	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM Z
	115	0.00	7.51	0.00	0.00	0.00	0.00
	116	0.00	7.34	0.00	0.00	0.00	0.00
	117	0.00	5.47	0.00	0.00	0.00	0.00
	118	0.00	5.30	0.00	0.00	0.00	0.00
	121	0.00	1.53	0.00	0.00	0.00	0.00
	122	0.00	6.10	0.00	0.00	0.00	0.00
	123	0.00	6.44	0.00	0.00	0.00	0.00
	124	0.00	6.27	0.00	0.00	0.00	0.00
	125	0.00	8.06	0.00	0.00	0.00	0.00
	126	0.00	7.89	0.00	0.00	0.00	0.00
	127	0.00	7.97	0.00	0.00	0.00	0.00
	128	0.00	7.80	0.00	0.00	0.00	0.00
	131	0.00	1.52	0.00	0.00	0.00	0.00
	132	0.00	7.31	0.00	0.00	0.00	0.00
	133	0.00	7.65	0.00	0.00	0.00	0.00
	134	0.00	7.58	0.00	0.00	0.00	0.00
	135	0.00	7.41	0.00	0.00	0.00	0.00
	136	0.00	7.24	0.00	0.00	0.00	0.00
	137	0.00	5.37	0.00	0.00	0.00	0.00
	138	0.00	5.20	0.00	0.00	0.00	0.00
11	1	0.00	1.35	0.00	0.00	0.00	0.00
	2	0.00	3.39	0.00	0.00	0.00	0.00
	3	0.00	0.18	0.00	0.00	0.00	0.00
	13	0.00	0.08	0.00	0.00	0.00	0.00
	4	0.00	4.31	0.00	0.00	0.00	0.00
	5	0.00	0.27	0.00	0.00	0.00	0.00
	15	0.00	0.12	0.00	0.00	0.00	0.00
	10	0.00	0.25	0.00	0.00	0.00	0.00
	11	0.00	0.11	0.00	0.00	0.00	0.00
	18	0.00	-3.75	0.00	0.00	0.00	0.00
	19	0.00	1.53	0.00	0.00	0.00	0.00
	20	0.00	1.81	0.00	0.00	0.00	0.00
	100	0.00	1.35	0.00	0.00	0.00	0.00
	101	0.00	1.39	0.00	0.00	0.00	0.00
	102	0.00	4.83	0.00	0.00	0.00	0.00
	103	0.00	5.07	0.00	0.00	0.00	0.00
	104	0.00	4.93	0.00	0.00	0.00	0.00
	105	0.00	6.60	0.00	0.00	0.00	0.00
	106	0.00	6.46	0.00	0.00	0.00	0.00
	107	0.00	6.88	0.00	0.00	0.00	0.00
	108	0.00	6.74	0.00	0.00	0.00	0.00
	111	0.00	1.41	0.00	0.00	0.00	0.00
	112	0.00	5.80	0.00	0.00	0.00	0.00
	113	0.00	6.04	0.00	0.00	0.00	0.00
	114	0.00	5.90	0.00	0.00	0.00	0.00
	115	0.00	5.73	0.00	0.00	0.00	0.00
	116	0.00	5.59	0.00	0.00	0.00	0.00
	117	0.00	4.10	0.00	0.00	0.00	0.00
	118	0.00	3.96	0.00	0.00	0.00	0.00
	121	0.00	1.42	0.00	0.00	0.00	0.00

SUPPORT REACTIONS -UNIT KIP FEET STRUCTURE TYPE = PLANE

JOINT	LOAD	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM Z
	122	0.00	4.92	0.00	0.00	0.00	0.00
	123	0.00	5.16	0.00	0.00	0.00	0.00
	124	0.00	5.02	0.00	0.00	0.00	0.00
	125	0.00	6.69	0.00	0.00	0.00	0.00
	126	0.00	6.55	0.00	0.00	0.00	0.00
	127	0.00	6.97	0.00	0.00	0.00	0.00
	128	0.00	6.83	0.00	0.00	0.00	0.00
	131	0.00	1.46	0.00	0.00	0.00	0.00
	132	0.00	5.93	0.00	0.00	0.00	0.00
	133	0.00	6.18	0.00	0.00	0.00	0.00
	134	0.00	5.90	0.00	0.00	0.00	0.00
	135	0.00	5.87	0.00	0.00	0.00	0.00
	136	0.00	5.72	0.00	0.00	0.00	0.00
	137	0.00	4.24	0.00	0.00	0.00	0.00
	138	0.00	4.10	0.00	0.00	0.00	0.00
12	1	0.00	1.36	0.00	0.00	0.00	0.00
	2	0.00	2.84	0.00	0.00	0.00	0.00
	3	0.00	0.41	0.00	0.00	0.00	0.00
	13	0.00	0.14	0.00	0.00	0.00	0.00
	4	0.00	3.62	0.00	0.00	0.00	0.00
	5	0.00	0.61	0.00	0.00	0.00	0.00
	15	0.00	0.20	0.00	0.00	0.00	0.00
	10	0.00	0.21	0.00	0.00	0.00	0.00
	11	0.00	0.04	0.00	0.00	0.00	0.00
	18	0.00	-3.61	0.00	0.00	0.00	0.00
	19	0.00	1.42	0.00	0.00	0.00	0.00
	20	0.00	1.74	0.00	0.00	0.00	0.00
	100	0.00	1.36	0.00	0.00	0.00	0.00
	101	0.00	1.42	0.00	0.00	0.00	0.00
	102	0.00	4.40	0.00	0.00	0.00	0.00
	103	0.00	4.61	0.00	0.00	0.00	0.00
	104	0.00	4.44	0.00	0.00	0.00	0.00
	105	0.00	6.03	0.00	0.00	0.00	0.00
	106	0.00	5.86	0.00	0.00	0.00	0.00
	107	0.00	6.35	0.00	0.00	0.00	0.00
	108	0.00	6.18	0.00	0.00	0.00	0.00
	111	0.00	1.46	0.00	0.00	0.00	0.00
	112	0.00	5.28	0.00	0.00	0.00	0.00
	113	0.00	5.48	0.00	0.00	0.00	0.00
	114	0.00	5.31	0.00	0.00	0.00	0.00
	115	0.00	5.13	0.00	0.00	0.00	0.00
	116	0.00	4.97	0.00	0.00	0.00	0.00
	117	0.00	3.62	0.00	0.00	0.00	0.00
	118	0.00	3.45	0.00	0.00	0.00	0.00
	121	0.00	1.49	0.00	0.00	0.00	0.00
	122	0.00	4.60	0.00	0.00	0.00	0.00
	123	0.00	4.81	0.00	0.00	0.00	0.00
	124	0.00	4.64	0.00	0.00	0.00	0.00
	125	0.00	6.23	0.00	0.00	0.00	0.00
	126	0.00	6.06	0.00	0.00	0.00	0.00

SUPPORT REACTIONS -UNIT KIP FEET STRUCTURE TYPE = PLANE

JOINT	LOAD	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM Z
	127	0.00	6.55	0.00	0.00	0.00	0.00
	128	0.00	6.38	0.00	0.00	0.00	0.00
	131	0.00	1.56	0.00	0.00	0.00	0.00
	132	0.00	5.58	0.00	0.00	0.00	0.00
	133	0.00	5.79	0.00	0.00	0.00	0.00
	134	0.00	5.31	0.00	0.00	0.00	0.00
	135	0.00	5.44	0.00	0.00	0.00	0.00
	136	0.00	5.27	0.00	0.00	0.00	0.00
	137	0.00	3.92	0.00	0.00	0.00	0.00
	138	0.00	3.75	0.00	0.00	0.00	0.00
13	1	0.00	1.65	0.00	0.00	0.00	0.00
	2	0.00	3.44	0.00	0.00	0.00	0.00
	3	0.00	0.25	0.00	0.00	0.00	0.00
	13	0.00	0.06	0.00	0.00	0.00	0.00
	4	0.00	4.38	0.00	0.00	0.00	0.00
	5	0.00	0.38	0.00	0.00	0.00	0.00
	15	0.00	0.09	0.00	0.00	0.00	0.00
	10	0.00	0.25	0.00	0.00	0.00	0.00
	11	0.00	-0.02	0.00	0.00	0.00	0.00
	18	0.00	-3.36	0.00	0.00	0.00	0.00
	19	0.00	1.37	0.00	0.00	0.00	0.00
	20	0.00	1.36	0.00	0.00	0.00	0.00
	100	0.00	1.65	0.00	0.00	0.00	0.00
	101	0.00	1.68	0.00	0.00	0.00	0.00
	102	0.00	5.21	0.00	0.00	0.00	0.00
	103	0.00	5.46	0.00	0.00	0.00	0.00
	104	0.00	5.19	0.00	0.00	0.00	0.00
	105	0.00	6.84	0.00	0.00	0.00	0.00
	106	0.00	6.56	0.00	0.00	0.00	0.00
	107	0.00	6.83	0.00	0.00	0.00	0.00
	108	0.00	6.55	0.00	0.00	0.00	0.00
	111	0.00	1.70	0.00	0.00	0.00	0.00
	112	0.00	6.21	0.00	0.00	0.00	0.00
	113	0.00	6.46	0.00	0.00	0.00	0.00
	114	0.00	6.19	0.00	0.00	0.00	0.00
	115	0.00	6.19	0.00	0.00	0.00	0.00
	116	0.00	5.92	0.00	0.00	0.00	0.00
	117	0.00	4.47	0.00	0.00	0.00	0.00
	118	0.00	4.20	0.00	0.00	0.00	0.00
	121	0.00	1.71	0.00	0.00	0.00	0.00
	122	0.00	5.34	0.00	0.00	0.00	0.00
	123	0.00	5.59	0.00	0.00	0.00	0.00
	124	0.00	5.32	0.00	0.00	0.00	0.00
	125	0.00	6.96	0.00	0.00	0.00	0.00
	126	0.00	6.69	0.00	0.00	0.00	0.00
	127	0.00	6.95	0.00	0.00	0.00	0.00
	128	0.00	6.68	0.00	0.00	0.00	0.00
	131	0.00	1.74	0.00	0.00	0.00	0.00
	132	0.00	6.40	0.00	0.00	0.00	0.00
	133	0.00	6.65	0.00	0.00	0.00	0.00

SUPPORT REACTIONS -UNIT KIP FEET STRUCTURE TYPE = PLANE

JOINT	LOAD	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM Z
	134	0.00	6.19	0.00	0.00	0.00	0.00
	135	0.00	6.38	0.00	0.00	0.00	0.00
	136	0.00	6.11	0.00	0.00	0.00	0.00
	137	0.00	4.66	0.00	0.00	0.00	0.00
	138	0.00	4.39	0.00	0.00	0.00	0.00
4	1	0.00	1.85	0.00	0.00	0.00	0.00
	2	0.00	4.25	0.00	0.00	0.00	0.00
	3	-0.01	-0.56	0.00	0.00	0.00	0.00
	13	0.00	-0.23	0.00	0.00	0.00	0.00
	4	0.00	5.41	0.00	0.00	0.00	0.00
	5	-0.02	-0.84	0.00	0.00	0.00	0.00
	15	-0.01	-0.34	0.00	0.00	0.00	0.00
	10	0.00	0.31	0.00	0.00	0.00	0.00
	11	0.00	0.38	0.00	0.00	0.00	0.00
	18	0.00	-2.64	0.00	0.00	0.00	0.00
	19	0.00	1.31	0.00	0.00	0.00	0.00
	20	0.01	1.00	0.00	0.00	0.00	0.00
	100	0.00	1.85	0.00	0.00	0.00	0.00
	101	0.00	1.73	0.00	0.00	0.00	0.00
	102	-0.01	5.82	0.00	0.00	0.00	0.00
	103	-0.01	6.13	0.00	0.00	0.00	0.00
	104	-0.01	6.20	0.00	0.00	0.00	0.00
	105	0.00	7.44	0.00	0.00	0.00	0.00
	106	0.00	7.51	0.00	0.00	0.00	0.00
	107	0.00	7.12	0.00	0.00	0.00	0.00
	108	0.00	7.19	0.00	0.00	0.00	0.00
	111	0.00	1.67	0.00	0.00	0.00	0.00
	112	-0.01	6.84	0.00	0.00	0.00	0.00
	113	-0.01	7.15	0.00	0.00	0.00	0.00
	114	-0.01	7.22	0.00	0.00	0.00	0.00
	115	-0.01	7.16	0.00	0.00	0.00	0.00
	116	-0.01	7.23	0.00	0.00	0.00	0.00
	117	0.00	5.50	0.00	0.00	0.00	0.00
	118	0.00	5.57	0.00	0.00	0.00	0.00
	121	0.00	1.62	0.00	0.00	0.00	0.00
	122	-0.01	5.54	0.00	0.00	0.00	0.00
	123	-0.01	5.85	0.00	0.00	0.00	0.00
	124	-0.01	5.92	0.00	0.00	0.00	0.00
	125	-0.01	7.16	0.00	0.00	0.00	0.00
	126	-0.01	7.23	0.00	0.00	0.00	0.00
	127	0.00	6.84	0.00	0.00	0.00	0.00
	128	0.00	6.91	0.00	0.00	0.00	0.00
	131	-0.01	1.50	0.00	0.00	0.00	0.00
	132	-0.02	6.42	0.00	0.00	0.00	0.00
	133	-0.02	6.73	0.00	0.00	0.00	0.00
	134	-0.01	7.22	0.00	0.00	0.00	0.00
	135	-0.01	6.75	0.00	0.00	0.00	0.00
	136	-0.01	6.81	0.00	0.00	0.00	0.00
	137	-0.01	5.09	0.00	0.00	0.00	0.00
	138	-0.01	5.16	0.00	0.00	0.00	0.00

SUPPORT REACTIONS -UNIT KIP FEET STRUCTURE TYPE = PLANE

JOINT	LOAD	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM Z
14	1	0.00	1.85	0.00	0.00	0.00	0.00
	2	0.00	4.25	0.00	0.00	0.00	0.00
	3	0.01	-0.56	0.00	0.00	0.00	0.00
	13	0.00	-0.23	0.00	0.00	0.00	0.00
	4	0.00	5.41	0.00	0.00	0.00	0.00
	5	0.02	-0.84	0.00	0.00	0.00	0.00
	15	0.01	-0.34	0.00	0.00	0.00	0.00
	10	0.00	0.31	0.00	0.00	0.00	0.00
	11	0.00	-0.07	0.00	0.00	0.00	0.00
	18	0.00	-2.64	0.00	0.00	0.00	0.00
	19	0.00	1.31	0.00	0.00	0.00	0.00
	20	-0.01	1.00	0.00	0.00	0.00	0.00
	100	0.00	1.85	0.00	0.00	0.00	0.00
	101	0.00	1.73	0.00	0.00	0.00	0.00
	102	0.01	5.82	0.00	0.00	0.00	0.00
	103	0.01	6.13	0.00	0.00	0.00	0.00
	104	0.01	5.75	0.00	0.00	0.00	0.00
	105	0.00	7.44	0.00	0.00	0.00	0.00
	106	0.00	7.06	0.00	0.00	0.00	0.00
	107	0.00	7.12	0.00	0.00	0.00	0.00
	108	0.00	6.74	0.00	0.00	0.00	0.00
	111	0.00	1.67	0.00	0.00	0.00	0.00
	112	0.01	6.84	0.00	0.00	0.00	0.00
	113	0.01	7.15	0.00	0.00	0.00	0.00
	114	0.01	6.77	0.00	0.00	0.00	0.00
	115	0.01	7.16	0.00	0.00	0.00	0.00
	116	0.01	6.79	0.00	0.00	0.00	0.00
	117	0.00	5.50	0.00	0.00	0.00	0.00
	118	0.00	5.13	0.00	0.00	0.00	0.00
	121	0.00	1.62	0.00	0.00	0.00	0.00
	122	0.01	5.54	0.00	0.00	0.00	0.00
	123	0.01	5.85	0.00	0.00	0.00	0.00
	124	0.01	5.47	0.00	0.00	0.00	0.00
	125	0.01	7.16	0.00	0.00	0.00	0.00
	126	0.01	6.78	0.00	0.00	0.00	0.00
	127	0.00	6.84	0.00	0.00	0.00	0.00
	128	0.00	6.46	0.00	0.00	0.00	0.00
	131	0.01	1.50	0.00	0.00	0.00	0.00
	132	0.02	6.42	0.00	0.00	0.00	0.00
	133	0.02	6.73	0.00	0.00	0.00	0.00
	134	0.01	6.77	0.00	0.00	0.00	0.00
	135	0.01	6.75	0.00	0.00	0.00	0.00
	136	0.01	6.37	0.00	0.00	0.00	0.00
	137	0.01	5.09	0.00	0.00	0.00	0.00
	138	0.01	4.71	0.00	0.00	0.00	0.00

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
1	1	1	-0.07	1.10	0.00	0.00	0.00	0.21
		2	0.07	1.82	0.00	0.00	0.00	-4.91
	2	1	0.47	8.89	0.00	0.00	0.00	6.21
		2	-0.47	12.49	0.00	0.00	0.00	-29.49
	3	1	6.64	1.32	0.00	0.00	0.00	11.30
		2	-6.64	-1.32	0.00	0.00	0.00	5.80
	13	1	1.51	0.39	0.00	0.00	0.00	3.24
		2	-1.51	-0.39	0.00	0.00	0.00	1.78
	4	1	0.59	11.32	0.00	0.00	0.00	7.90
		2	-0.59	15.89	0.00	0.00	0.00	-37.54
	5	1	9.94	1.98	0.00	0.00	0.00	16.92
		2	-9.94	-1.98	0.00	0.00	0.00	8.69
	15	1	2.24	0.58	0.00	0.00	0.00	4.84
		2	-2.24	-0.58	0.00	0.00	0.00	2.66
	10	1	0.03	0.65	0.00	0.00	0.00	0.45
		2	-0.03	0.91	0.00	0.00	0.00	-2.15
	11	1	0.03	0.72	0.00	0.00	0.00	0.50
		2	-0.03	0.83	0.00	0.00	0.00	-1.21
	18	1	-0.19	-0.17	0.00	0.00	0.00	-0.89
		2	0.19	0.17	0.00	0.00	0.00	-1.34
	19	1	-1.03	-0.23	0.00	0.00	0.00	-2.15
		2	1.03	0.23	0.00	0.00	0.00	-0.84
	20	1	-5.42	-4.96	0.00	0.00	0.00	-11.22
		2	5.42	-4.75	0.00	0.00	0.00	9.88
	100	1	-0.07	1.10	0.00	0.00	0.00	0.21
		2	0.07	1.82	0.00	0.00	0.00	-4.91
	101	1	0.68	1.29	0.00	0.00	0.00	1.84
		2	-0.68	1.63	0.00	0.00	0.00	-4.02
	102	1	3.71	10.65	0.00	0.00	0.00	12.07
		2	-3.71	13.65	0.00	0.00	0.00	-31.51
	103	1	3.75	11.30	0.00	0.00	0.00	12.52
		2	-3.75	14.56	0.00	0.00	0.00	-33.65
	104	1	3.75	11.37	0.00	0.00	0.00	12.57
		2	-3.75	14.48	0.00	0.00	0.00	-32.72
	105	1	2.72	11.06	0.00	0.00	0.00	10.37
		2	-2.72	14.79	0.00	0.00	0.00	-34.49
	106	1	2.72	11.14	0.00	0.00	0.00	10.42
		2	-2.72	14.71	0.00	0.00	0.00	-33.56
	107	1	-1.67	6.34	0.00	0.00	0.00	1.31
		2	1.67	9.81	0.00	0.00	0.00	-23.77
	108	1	-1.67	6.42	0.00	0.00	0.00	1.35
		2	1.67	9.73	0.00	0.00	0.00	-22.83
	111	1	1.05	1.38	0.00	0.00	0.00	2.64
		2	-1.05	1.53	0.00	0.00	0.00	-3.58
	112	1	5.49	13.40	0.00	0.00	0.00	16.58
		2	-5.49	16.73	0.00	0.00	0.00	-38.11
	113	1	5.53	14.05	0.00	0.00	0.00	17.03
		2	-5.53	17.63	0.00	0.00	0.00	-40.25

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	114	1	5.53	14.13	0.00	0.00	0.00	17.08
		2	-5.53	17.56	0.00	0.00	0.00	-39.32
	115	1	4.41	13.73	0.00	0.00	0.00	14.44
		2	-4.41	17.95	0.00	0.00	0.00	-41.75
	116	1	4.41	13.81	0.00	0.00	0.00	14.49
		2	-4.41	17.87	0.00	0.00	0.00	-40.81
	117	1	-0.08	8.92	0.00	0.00	0.00	4.92
		2	0.08	13.06	0.00	0.00	0.00	-31.70
	118	1	-0.08	9.00	0.00	0.00	0.00	4.97
		2	0.08	12.98	0.00	0.00	0.00	-30.77
	121	1	1.43	1.48	0.00	0.00	0.00	3.46
		2	-1.43	1.43	0.00	0.00	0.00	-3.13
	122	1	7.03	11.31	0.00	0.00	0.00	17.72
		2	-7.03	12.99	0.00	0.00	0.00	-28.61
	123	1	7.07	11.96	0.00	0.00	0.00	18.17
		2	-7.07	13.90	0.00	0.00	0.00	-30.75
	124	1	7.07	12.03	0.00	0.00	0.00	18.22
		2	-7.07	13.82	0.00	0.00	0.00	-29.82
	125	1	6.04	11.72	0.00	0.00	0.00	16.02
		2	-6.04	14.13	0.00	0.00	0.00	-31.59
	126	1	6.04	11.80	0.00	0.00	0.00	16.07
		2	-6.04	14.05	0.00	0.00	0.00	-30.66
	127	1	1.65	7.00	0.00	0.00	0.00	6.96
		2	-1.65	9.15	0.00	0.00	0.00	-20.87
	128	1	1.65	7.07	0.00	0.00	0.00	7.00
		2	-1.65	9.07	0.00	0.00	0.00	-19.94
	131	1	2.17	1.67	0.00	0.00	0.00	5.06
		2	-2.17	1.24	0.00	0.00	0.00	-2.25
	132	1	10.46	14.39	0.00	0.00	0.00	25.04
		2	-10.46	15.74	0.00	0.00	0.00	-33.76
	133	1	10.50	15.04	0.00	0.00	0.00	25.49
		2	-10.50	16.65	0.00	0.00	0.00	-35.91
	134	1	5.53	14.13	0.00	0.00	0.00	17.08
		2	-5.53	17.56	0.00	0.00	0.00	-39.32
	135	1	9.38	14.72	0.00	0.00	0.00	22.90
		2	-9.38	16.96	0.00	0.00	0.00	-37.40
	136	1	9.38	14.80	0.00	0.00	0.00	22.95
		2	-9.38	16.88	0.00	0.00	0.00	-36.47
	137	1	4.90	9.91	0.00	0.00	0.00	13.38
		2	-4.90	12.07	0.00	0.00	0.00	-27.36
	138	1	4.90	9.99	0.00	0.00	0.00	13.43
		2	-4.90	11.99	0.00	0.00	0.00	-26.43
2	1	2	-0.07	1.82	0.00	0.00	0.00	4.91
		3	0.07	1.10	0.00	0.00	0.00	-0.21
	2	2	0.47	12.49	0.00	0.00	0.00	29.49
		3	-0.47	8.89	0.00	0.00	0.00	-6.21
	3	2	6.64	-1.32	0.00	0.00	0.00	-5.80
		3	-6.64	1.32	0.00	0.00	0.00	-11.30
	13	2	1.51	-0.39	0.00	0.00	0.00	-1.78
		3	-1.51	0.31	–	–	–	-3.24

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	4	2	0.59	15.89	0.00	0.00	0.00	37.54
		3	-0.59	11.32	0.00	0.00	0.00	-7.90
	5	2	9.94	-1.98	0.00	0.00	0.00	-8.69
		3	-9.94	1.98	0.00	0.00	0.00	-16.92
	15	2	2.24	-0.58	0.00	0.00	0.00	-2.66
		3	-2.24	0.58	0.00	0.00	0.00	-4.84
	10	2	0.03	0.91	0.00	0.00	0.00	2.15
		3	-0.03	0.65	0.00	0.00	0.00	-0.45
	11	2	0.00	0.08	0.00	0.00	0.00	0.93
		3	0.00	-0.08	0.00	0.00	0.00	0.05
	18	2	-0.19	0.17	0.00	0.00	0.00	1.34
		3	0.19	-0.17	0.00	0.00	0.00	0.89
	19	2	-1.03	0.23	0.00	0.00	0.00	0.84
		3	1.03	-0.23	0.00	0.00	0.00	2.15
	20	2	-5.42	-4.75	0.00	0.00	0.00	-9.88
		3	5.42	-4.96	0.00	0.00	0.00	11.22
	100	2	-0.07	1.82	0.00	0.00	0.00	4.91
		3	0.07	1.10	0.00	0.00	0.00	-0.21
	101	2	0.68	1.63	0.00	0.00	0.00	4.02
		3	-0.68	1.29	0.00	0.00	0.00	-1.84
	102	2	3.71	13.65	0.00	0.00	0.00	31.51
		3	-3.71	10.65	0.00	0.00	0.00	-12.07
	103	2	3.75	14.56	0.00	0.00	0.00	33.65
		3	-3.75	11.30	0.00	0.00	0.00	-12.52
	104	2	3.71	13.72	0.00	0.00	0.00	32.44
		3	-3.71	10.57	0.00	0.00	0.00	-12.03
	105	2	2.72	14.79	0.00	0.00	0.00	34.49
		3	-2.72	11.06	0.00	0.00	0.00	-10.37
	106	2	2.69	13.95	0.00	0.00	0.00	33.28
		3	-2.69	10.34	0.00	0.00	0.00	-9.87
	107	2	-1.67	9.81	0.00	0.00	0.00	23.77
		3	1.67	6.34	0.00	0.00	0.00	-1.31
	108	2	-1.70	8.97	0.00	0.00	0.00	22.56
		3	1.70	5.62	0.00	0.00	0.00	-0.81
	111	2	1.05	1.53	0.00	0.00	0.00	3.58
		3	-1.05	1.38	0.00	0.00	0.00	-2.64
	112	2	5.49	16.73	0.00	0.00	0.00	38.11
		3	-5.49	13.40	0.00	0.00	0.00	-16.58
	113	2	5.53	17.63	0.00	0.00	0.00	40.25
		3	-5.53	14.05	0.00	0.00	0.00	-17.03
	114	2	5.49	16.80	0.00	0.00	0.00	39.04
		3	-5.49	13.33	0.00	0.00	0.00	-16.53
	115	2	4.41	17.95	0.00	0.00	0.00	41.75
		3	-4.41	13.73	0.00	0.00	0.00	-14.44
	116	2	4.37	17.12	0.00	0.00	0.00	40.54
		3	-4.37	13.01	0.00	0.00	0.00	-13.94
	117	2	-0.08	13.06	0.00	0.00	0.00	31.70
		3	0.08	8.92	0.00	0.00	0.00	-4.92
	118	2	-0.11	12.22	0.00	0.00	0.00	30.49
		3	0.11	8.20	0.00	0.00	0.00	-4.42

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	121	2	1.43	1.43	0.00	0.00	0.00	3.13
		3	-1.43	1.48	0.00	0.00	0.00	-3.46
	122	2	7.04	12.99	0.00	0.00	0.00	28.61
		3	-7.04	11.31	0.00	0.00	0.00	-17.72
	123	2	7.07	13.90	0.00	0.00	0.00	30.75
		3	-7.07	11.96	0.00	0.00	0.00	-18.17
	124	2	7.04	13.06	0.00	0.00	0.00	29.54
		3	-7.04	11.23	0.00	0.00	0.00	-17.67
	125	2	6.04	14.13	0.00	0.00	0.00	31.59
		3	-6.04	11.72	0.00	0.00	0.00	-16.02
	126	2	6.01	13.30	0.00	0.00	0.00	30.38
		3	-6.01	11.00	0.00	0.00	0.00	-15.52
	127	2	1.65	9.15	0.00	0.00	0.00	20.87
		3	-1.65	7.00	0.00	0.00	0.00	-6.96
	128	2	1.62	8.31	0.00	0.00	0.00	19.66
		3	-1.62	6.28	0.00	0.00	0.00	-6.46
	131	2	2.17	1.24	0.00	0.00	0.00	2.25
		3	-2.17	1.67	0.00	0.00	0.00	-5.06
	132	2	10.46	15.74	0.00	0.00	0.00	33.76
		3	-10.46	14.39	0.00	0.00	0.00	-25.04
	133	2	10.50	16.65	0.00	0.00	0.00	35.91
		3	-10.50	15.04	0.00	0.00	0.00	-25.49
	134	2	5.49	16.80	0.00	0.00	0.00	39.04
		3	-5.49	13.33	0.00	0.00	0.00	-16.53
	135	2	9.38	16.96	0.00	0.00	0.00	37.40
		3	-9.38	14.72	0.00	0.00	0.00	-22.90
	136	2	9.35	16.13	0.00	0.00	0.00	36.19
		3	-9.35	14.00	0.00	0.00	0.00	-22.41
	137	2	4.90	12.07	0.00	0.00	0.00	27.36
		3	-4.90	9.91	0.00	0.00	0.00	-13.38
	138	2	4.86	11.24	0.00	0.00	0.00	26.15
		3	-4.86	9.19	0.00	0.00	0.00	-12.88
3	1	1	1.10	0.07	0.00	0.00	0.00	-0.21
		4	-2.97	-0.07	0.00	0.00	0.00	1.06
	2	1	8.89	-0.47	0.00	0.00	0.00	-6.21
		4	-8.89	0.47	0.00	0.00	0.00	0.83
	3	1	1.32	-6.64	0.00	0.00	0.00	-11.30
		4	-1.32	-8.30	0.00	0.00	0.00	13.22
	13	1	0.39	-1.51	0.00	0.00	0.00	-3.24
		4	-0.39	-3.05	0.00	0.00	0.00	4.48
	4	1	11.32	-0.59	0.00	0.00	0.00	-7.90
		4	-11.32	0.59	0.00	0.00	0.00	1.05
	5	1	1.98	-9.94	0.00	0.00	0.00	-16.92
		4	-1.98	-12.45	0.00	0.00	0.00	19.82
	15	1	0.58	-2.24	0.00	0.00	0.00	-4.84
		4	-0.58	-4.57	0.00	0.00	0.00	6.71
	10	1	0.65	-0.03	0.00	0.00	0.00	-0.45
		4	-0.65	0.03	0.00	0.00	0.00	0.06
	11	1	0.72	-0.03	0.00	0.00	0.00	-0.50
		4	-0.72	0.03	—	—	—	0.11

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	18	1	-0.17	0.19	0.00	0.00	0.00	0.89
		4	0.17	-0.19	0.00	0.00	0.00	1.24
	19	1	-0.23	1.03	0.00	0.00	0.00	2.15
		4	0.23	2.57	0.00	0.00	0.00	-4.14
	20	1	-4.96	5.42	0.00	0.00	0.00	11.22
		4	4.96	6.83	0.00	0.00	0.00	-12.43
	100	1	1.10	0.07	0.00	0.00	0.00	-0.21
		4	-2.97	-0.07	0.00	0.00	0.00	1.06
	101	1	1.29	-0.68	0.00	0.00	0.00	-1.84
		4	-3.16	-1.60	0.00	0.00	0.00	3.30
	102	1	10.65	-3.71	0.00	0.00	0.00	-12.07
		4	-12.52	-3.76	0.00	0.00	0.00	8.50
	103	1	11.30	-3.75	0.00	0.00	0.00	-12.52
		4	-13.17	-3.73	0.00	0.00	0.00	8.56
	104	1	11.37	-3.75	0.00	0.00	0.00	-12.57
		4	-13.25	-3.73	0.00	0.00	0.00	8.61
	105	1	11.06	-2.72	0.00	0.00	0.00	-10.37
		4	-12.94	-1.15	0.00	0.00	0.00	4.42
	106	1	11.14	-2.72	0.00	0.00	0.00	-10.42
		4	-13.02	-1.15	0.00	0.00	0.00	4.47
	107	1	6.34	1.67	0.00	0.00	0.00	-1.31
		4	-8.22	3.10	0.00	0.00	0.00	-3.86
	108	1	6.42	1.67	0.00	0.00	0.00	-1.35
		4	-8.29	3.10	0.00	0.00	0.00	-3.81
	111	1	1.38	-1.05	0.00	0.00	0.00	-2.64
		4	-3.26	-2.36	0.00	0.00	0.00	4.42
	112	1	13.40	-5.49	0.00	0.00	0.00	-16.58
		4	-15.28	-5.70	0.00	0.00	0.00	12.02
	113	1	14.05	-5.53	0.00	0.00	0.00	-17.03
		4	-15.92	-5.67	0.00	0.00	0.00	12.09
	114	1	14.13	-5.53	0.00	0.00	0.00	-17.08
		4	-16.00	-5.67	0.00	0.00	0.00	12.14
	115	1	13.73	-4.41	0.00	0.00	0.00	-14.44
		4	-15.61	-3.19	0.00	0.00	0.00	8.55
	116	1	13.81	-4.41	0.00	0.00	0.00	-14.49
		4	-15.69	-3.19	0.00	0.00	0.00	8.60
	117	1	8.92	0.08	0.00	0.00	0.00	-4.92
		4	-10.80	0.97	0.00	0.00	0.00	0.90
	118	1	9.00	0.08	0.00	0.00	0.00	-4.97
		4	-10.87	0.97	0.00	0.00	0.00	0.95
	121	1	1.48	-1.43	0.00	0.00	0.00	-3.46
		4	-3.36	-3.12	0.00	0.00	0.00	5.55
	122	1	11.31	-7.03	0.00	0.00	0.00	-17.72
		4	-13.18	-7.91	0.00	0.00	0.00	15.11
	123	1	11.96	-7.07	0.00	0.00	0.00	-18.17
		4	-13.83	-7.88	0.00	0.00	0.00	15.17
	124	1	12.03	-7.07	0.00	0.00	0.00	-18.22
		4	-13.91	-7.88	0.00	0.00	0.00	15.23
	125	1	11.72	-6.04	0.00	0.00	0.00	-16.02
		4	-13.60	-5.30	0.00	0.00	0.00	11.03

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	126	1	11.80	-6.04	0.00	0.00	0.00	-16.07
		4	-13.68	-5.30	0.00	0.00	0.00	11.08
	127	1	7.00	-1.65	0.00	0.00	0.00	-6.96
		4	-8.87	-1.05	0.00	0.00	0.00	2.75
	128	1	7.07	-1.65	0.00	0.00	0.00	-7.00
		4	-8.95	-1.05	0.00	0.00	0.00	2.80
	131	1	1.67	-2.17	0.00	0.00	0.00	-5.06
		4	-3.55	-4.64	0.00	0.00	0.00	7.77
	132	1	14.39	-10.46	0.00	0.00	0.00	-25.04
		4	-16.27	-11.93	0.00	0.00	0.00	21.93
	133	1	15.04	-10.50	0.00	0.00	0.00	-25.49
		4	-16.91	-11.89	0.00	0.00	0.00	21.99
	134	1	14.13	-5.53	0.00	0.00	0.00	-17.08
		4	-16.00	-5.67	0.00	0.00	0.00	12.14
	135	1	14.72	-9.38	0.00	0.00	0.00	-22.90
		4	-16.60	-9.41	0.00	0.00	0.00	18.46
	136	1	14.80	-9.38	0.00	0.00	0.00	-22.95
		4	-16.67	-9.41	0.00	0.00	0.00	18.51
	137	1	9.91	-4.90	0.00	0.00	0.00	-13.38
		4	-11.79	-5.25	0.00	0.00	0.00	10.81
	138	1	9.99	-4.90	0.00	0.00	0.00	-13.43
		4	-11.86	-5.25	0.00	0.00	0.00	10.86
4	1	2	3.64	0.00	0.00	0.00	0.00	0.00
		9	-5.08	0.00	0.00	0.00	0.00	0.00
	2	2	24.98	0.00	0.00	0.00	0.00	0.00
		9	-24.98	0.00	0.00	0.00	0.00	0.00
	3	2	-2.64	0.00	0.00	0.00	0.00	0.00
		9	2.64	0.00	0.00	0.00	0.00	0.00
	13	2	-0.78	0.00	0.00	0.00	0.00	0.00
		9	0.78	0.00	0.00	0.00	0.00	0.00
	4	2	31.79	0.00	0.00	0.00	0.00	0.00
		9	-31.79	0.00	0.00	0.00	0.00	0.00
	5	2	-3.95	0.00	0.00	0.00	0.00	0.00
		9	3.95	0.00	0.00	0.00	0.00	0.00
	15	2	-1.16	0.00	0.00	0.00	0.00	0.00
		9	1.16	0.00	0.00	0.00	0.00	0.00
	10	2	1.82	0.00	0.00	0.00	0.00	0.00
		9	-1.82	0.00	0.00	0.00	0.00	0.00
	11	2	0.91	0.03	0.00	0.00	0.00	0.28
		9	-0.91	-0.03	0.00	0.00	0.00	0.11
	18	2	0.34	0.00	0.00	0.00	0.00	0.00
		9	-0.34	0.00	0.00	0.00	0.00	0.00
	19	2	0.46	0.00	0.00	0.00	0.00	0.00
		9	-0.46	0.00	0.00	0.00	0.00	0.00
	20	2	-9.50	0.00	0.00	0.00	0.00	0.00
		9	9.50	0.00	0.00	0.00	0.00	0.00
	100	2	3.64	0.00	0.00	0.00	0.00	0.00
		9	-5.08	0.00	0.00	0.00	0.00	0.00
	101	2	3.25	0.00	0.00	0.00	0.00	0.00
		9	-4.70	—	—	—	—	—

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	102	2	27.30	0.00	0.00	0.00	0.00	0.00
		9	-28.74	0.00	0.00	0.00	0.00	0.00
	103	2	29.11	0.00	0.00	0.00	0.00	0.00
		9	-30.56	0.00	0.00	0.00	0.00	0.00
	104	2	28.20	0.03	0.00	0.00	0.00	0.28
		9	-29.65	-0.03	0.00	0.00	0.00	0.11
	105	2	29.57	0.00	0.00	0.00	0.00	0.00
		9	-31.02	0.00	0.00	0.00	0.00	0.00
	106	2	28.67	0.03	0.00	0.00	0.00	0.28
		9	-30.11	-0.03	0.00	0.00	0.00	0.11
	107	2	19.61	0.00	0.00	0.00	0.00	0.00
		9	-21.06	0.00	0.00	0.00	0.00	0.00
	108	2	18.70	0.03	0.00	0.00	0.00	0.28
		9	-20.15	-0.03	0.00	0.00	0.00	0.11
	111	2	3.06	0.00	0.00	0.00	0.00	0.00
		9	-4.50	0.00	0.00	0.00	0.00	0.00
	112	2	33.45	0.00	0.00	0.00	0.00	0.00
		9	-34.89	0.00	0.00	0.00	0.00	0.00
	113	2	35.27	0.00	0.00	0.00	0.00	0.00
		9	-36.71	0.00	0.00	0.00	0.00	0.00
	114	2	34.36	0.03	0.00	0.00	0.00	0.28
		9	-35.80	-0.03	0.00	0.00	0.00	0.11
	115	2	35.90	0.00	0.00	0.00	0.00	0.00
		9	-37.34	0.00	0.00	0.00	0.00	0.00
	116	2	34.99	0.03	0.00	0.00	0.00	0.28
		9	-36.43	-0.03	0.00	0.00	0.00	0.11
	117	2	26.11	0.00	0.00	0.00	0.00	0.00
		9	-27.55	0.00	0.00	0.00	0.00	0.00
	118	2	25.20	0.03	0.00	0.00	0.00	0.28
		9	-26.65	-0.03	0.00	0.00	0.00	0.11
	121	2	2.87	0.00	0.00	0.00	0.00	0.00
		9	-4.31	0.00	0.00	0.00	0.00	0.00
	122	2	25.98	0.00	0.00	0.00	0.00	0.00
		9	-27.42	0.00	0.00	0.00	0.00	0.00
	123	2	27.79	0.00	0.00	0.00	0.00	0.00
		9	-29.24	0.00	0.00	0.00	0.00	0.00
	124	2	26.89	0.03	0.00	0.00	0.00	0.28
		9	-28.33	-0.03	0.00	0.00	0.00	0.11
	125	2	28.26	0.00	0.00	0.00	0.00	0.00
		9	-29.70	0.00	0.00	0.00	0.00	0.00
	126	2	27.35	0.03	0.00	0.00	0.00	0.28
		9	-28.79	-0.03	0.00	0.00	0.00	0.11
	127	2	18.29	0.00	0.00	0.00	0.00	0.00
		9	-19.74	0.00	0.00	0.00	0.00	0.00
	128	2	17.39	0.03	0.00	0.00	0.00	0.28
		9	-18.83	-0.03	0.00	0.00	0.00	0.11
	131	2	2.48	0.00	0.00	0.00	0.00	0.00
		9	-3.93	0.00	0.00	0.00	0.00	0.00
	132	2	31.47	0.00	0.00	0.00	0.00	0.00
		9	-32.92	0.00	0.00	0.00	0.00	0.00

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	133	2	33.29	0.00	0.00	0.00	0.00	0.00
		9	-34.73	0.00	0.00	0.00	0.00	0.00
	134	2	34.36	0.03	0.00	0.00	0.00	0.28
		9	-35.80	-0.03	0.00	0.00	0.00	0.11
	135	2	33.92	0.00	0.00	0.00	0.00	0.00
		9	-35.36	0.00	0.00	0.00	0.00	0.00
	136	2	33.01	0.03	0.00	0.00	0.00	0.28
		9	-34.46	-0.03	0.00	0.00	0.00	0.11
	137	2	24.14	0.00	0.00	0.00	0.00	0.00
		9	-25.58	0.00	0.00	0.00	0.00	0.00
	138	2	23.23	0.03	0.00	0.00	0.00	0.28
		9	-24.67	-0.03	0.00	0.00	0.00	0.11
5	1	3	1.10	-0.07	0.00	0.00	0.00	0.21
		14	-2.97	0.07	0.00	0.00	0.00	-1.06
	2	3	8.89	0.47	0.00	0.00	0.00	6.21
		14	-8.89	-0.47	0.00	0.00	0.00	-0.83
	3	3	1.32	6.64	0.00	0.00	0.00	11.30
		14	-1.32	8.30	0.00	0.00	0.00	-13.22
	13	3	0.39	1.51	0.00	0.00	0.00	3.24
		14	-0.39	3.05	0.00	0.00	0.00	-4.48
	4	3	11.32	0.59	0.00	0.00	0.00	7.90
		14	-11.32	-0.59	0.00	0.00	0.00	-1.05
	5	3	1.98	9.94	0.00	0.00	0.00	16.92
		14	-1.98	12.45	0.00	0.00	0.00	-19.82
	15	3	0.58	2.24	0.00	0.00	0.00	4.84
		14	-0.58	4.57	0.00	0.00	0.00	-6.71
	10	3	0.65	0.03	0.00	0.00	0.00	0.45
		14	-0.65	-0.03	0.00	0.00	0.00	-0.06
	11	3	-0.08	0.00	0.00	0.00	0.00	-0.05
		14	0.08	0.00	0.00	0.00	0.00	0.05
	18	3	-0.17	-0.19	0.00	0.00	0.00	-0.89
		14	0.17	0.19	0.00	0.00	0.00	-1.24
	19	3	-0.23	-1.03	0.00	0.00	0.00	-2.15
		14	0.23	-2.57	0.00	0.00	0.00	4.14
	20	3	-4.96	-5.42	0.00	0.00	0.00	-11.22
		14	4.96	-6.83	0.00	0.00	0.00	12.43
	100	3	1.10	-0.07	0.00	0.00	0.00	0.21
		14	-2.97	0.07	0.00	0.00	0.00	-1.06
	101	3	1.29	0.68	0.00	0.00	0.00	1.84
		14	-3.16	1.60	0.00	0.00	0.00	-3.30
	102	3	10.65	3.71	0.00	0.00	0.00	12.07
		14	-12.52	3.76	0.00	0.00	0.00	-8.50
	103	3	11.30	3.75	0.00	0.00	0.00	12.52
		14	-13.17	3.73	0.00	0.00	0.00	-8.56
	104	3	10.57	3.71	0.00	0.00	0.00	12.03
		14	-12.45	3.76	0.00	0.00	0.00	-8.45
	105	3	11.06	2.72	0.00	0.00	0.00	10.37
		14	-12.94	1.15	0.00	0.00	0.00	-4.42
	106	3	10.34	2.69	0.00	0.00	0.00	9.87
		14	-12.22	1.19	—	—	—	-4.31

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	107	3	6.34	-1.67	0.00	0.00	0.00	1.31
		14	-8.22	-3.10	0.00	0.00	0.00	3.86
	108	3	5.62	-1.70	0.00	0.00	0.00	0.81
		14	-7.49	-3.07	0.00	0.00	0.00	3.97
	111	3	1.38	1.05	0.00	0.00	0.00	2.64
		14	-3.26	2.36	0.00	0.00	0.00	-4.42
	112	3	13.40	5.49	0.00	0.00	0.00	16.58
		14	-15.28	5.70	0.00	0.00	0.00	-12.02
	113	3	14.05	5.53	0.00	0.00	0.00	17.03
		14	-15.93	5.67	0.00	0.00	0.00	-12.09
	114	3	13.33	5.49	0.00	0.00	0.00	16.53
		14	-15.20	5.70	0.00	0.00	0.00	-11.97
	115	3	13.73	4.41	0.00	0.00	0.00	14.44
		14	-15.61	3.19	0.00	0.00	0.00	-8.55
	116	3	13.01	4.37	0.00	0.00	0.00	13.94
		14	-14.89	3.22	0.00	0.00	0.00	-8.44
	117	3	8.92	-0.08	0.00	0.00	0.00	4.92
		14	-10.80	-0.97	0.00	0.00	0.00	-0.90
	118	3	8.20	-0.11	0.00	0.00	0.00	4.42
		14	-10.07	-0.94	0.00	0.00	0.00	-0.79
	121	3	1.48	1.43	0.00	0.00	0.00	3.46
		14	-3.36	3.12	0.00	0.00	0.00	-5.55
	122	3	11.31	7.04	0.00	0.00	0.00	17.72
		14	-13.18	7.91	0.00	0.00	0.00	-15.11
	123	3	11.96	7.07	0.00	0.00	0.00	18.17
		14	-13.83	7.88	0.00	0.00	0.00	-15.17
	124	3	11.23	7.04	0.00	0.00	0.00	17.67
		14	-13.11	7.91	0.00	0.00	0.00	-15.06
	125	3	11.72	6.04	0.00	0.00	0.00	16.02
		14	-13.60	5.30	0.00	0.00	0.00	-11.03
	126	3	11.00	6.01	0.00	0.00	0.00	15.52
		14	-12.88	5.34	0.00	0.00	0.00	-10.92
	127	3	7.00	1.65	0.00	0.00	0.00	6.96
		14	-8.87	1.05	0.00	0.00	0.00	-2.75
	128	3	6.28	1.62	0.00	0.00	0.00	6.46
		14	-8.15	1.08	0.00	0.00	0.00	-2.64
	131	3	1.67	2.17	0.00	0.00	0.00	5.06
		14	-3.55	4.64	0.00	0.00	0.00	-7.77
	132	3	14.39	10.46	0.00	0.00	0.00	25.04
		14	-16.27	11.93	0.00	0.00	0.00	-21.93
	133	3	15.04	10.50	0.00	0.00	0.00	25.49
		14	-16.91	11.89	0.00	0.00	0.00	-21.99
	134	3	13.33	5.49	0.00	0.00	0.00	16.53
		14	-15.20	5.70	0.00	0.00	0.00	-11.97
	135	3	14.72	9.38	0.00	0.00	0.00	22.90
		14	-16.60	9.41	0.00	0.00	0.00	-18.46
	136	3	14.00	9.35	0.00	0.00	0.00	22.41
		14	-15.88	9.44	0.00	0.00	0.00	-18.35
	137	3	9.91	4.90	0.00	0.00	0.00	13.38
		14	-11.79	5.25	0.00	0.00	0.00	-10.81

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	138	3	9.19	4.86	0.00	0.00	0.00	12.88
		14	-11.06	5.28	0.00	0.00	0.00	-10.70
6	1	4	0.07	-1.13	0.00	0.00	0.00	-1.06
		5	-0.07	1.74	0.00	0.00	0.00	-2.65
	2	4	-0.47	-4.64	0.00	0.00	0.00	-0.83
		5	0.47	4.64	0.00	0.00	0.00	-11.20
	3	4	8.29	-1.88	0.00	0.00	0.00	-13.22
		5	-8.29	1.88	0.00	0.00	0.00	8.36
	13	4	3.05	-0.62	0.00	0.00	0.00	-4.48
		5	-3.05	0.62	0.00	0.00	0.00	2.88
	4	4	-0.59	-5.91	0.00	0.00	0.00	-1.05
		5	0.59	5.91	0.00	0.00	0.00	-14.26
	5	4	12.43	-2.81	0.00	0.00	0.00	-19.82
		5	-12.43	2.81	0.00	0.00	0.00	12.52
	15	4	4.56	-0.92	0.00	0.00	0.00	-6.71
		5	-4.56	0.92	0.00	0.00	0.00	4.31
	10	4	-0.03	-0.34	0.00	0.00	0.00	-0.06
		5	0.03	0.34	0.00	0.00	0.00	-0.81
	11	4	-0.03	-0.34	0.00	0.00	0.00	-0.11
		5	0.03	0.34	0.00	0.00	0.00	-0.78
	18	4	0.18	-2.47	0.00	0.00	0.00	-1.24
		5	-0.18	-1.35	0.00	0.00	0.00	-0.21
	19	4	-2.57	1.54	0.00	0.00	0.00	4.14
		5	2.57	0.08	0.00	0.00	0.00	-2.25
	20	4	-6.82	5.95	0.00	0.00	0.00	12.43
		5	6.82	-2.39	0.00	0.00	0.00	-1.61
	100	4	0.07	-1.13	0.00	0.00	0.00	-1.06
		5	-0.07	1.74	0.00	0.00	0.00	-2.65
	101	4	1.60	-1.43	0.00	0.00	0.00	-3.30
		5	-1.60	2.05	0.00	0.00	0.00	-1.21
	102	4	3.75	-6.71	0.00	0.00	0.00	-8.50
		5	-3.75	7.32	0.00	0.00	0.00	-9.68
	103	4	3.72	-7.04	0.00	0.00	0.00	-8.56
		5	-3.72	7.66	0.00	0.00	0.00	-10.49
	104	4	3.72	-7.05	0.00	0.00	0.00	-8.61
		5	-3.72	7.67	0.00	0.00	0.00	-10.45
	105	4	1.15	-5.50	0.00	0.00	0.00	-4.42
		5	-1.15	7.74	0.00	0.00	0.00	-12.74
	106	4	1.15	-5.51	0.00	0.00	0.00	-4.47
		5	-1.15	7.74	0.00	0.00	0.00	-12.70
	107	4	-3.10	-1.09	0.00	0.00	0.00	3.86
		5	3.10	5.27	0.00	0.00	0.00	-12.10
	108	4	-3.10	-1.10	0.00	0.00	0.00	3.81
		5	3.10	5.27	0.00	0.00	0.00	-12.07
	111	4	2.35	-1.59	0.00	0.00	0.00	-4.42
		5	-2.35	2.20	0.00	0.00	0.00	-0.50
	112	4	5.69	-8.44	0.00	0.00	0.00	-12.02
		5	-5.69	9.06	0.00	0.00	0.00	-10.65
	113	4	5.66	-8.78	0.00	0.00	0.00	-12.09
		5	-5.66	9.39	—	—	—	-11.46

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	114	4	5.66	-8.78	0.00	0.00	0.00	-12.14
		5	-5.66	9.40	0.00	0.00	0.00	-11.43
	115	4	3.18	-8.45	0.00	0.00	0.00	-8.55
		5	-3.18	8.81	0.00	0.00	0.00	-13.81
	116	4	3.18	-8.45	0.00	0.00	0.00	-8.60
		5	-3.18	8.82	0.00	0.00	0.00	-13.77
	117	4	-0.97	-5.29	0.00	0.00	0.00	-0.90
		5	0.97	5.65	0.00	0.00	0.00	-13.28
	118	4	-0.97	-5.30	0.00	0.00	0.00	-0.95
		5	0.97	5.66	0.00	0.00	0.00	-13.24
	121	4	3.12	-1.74	0.00	0.00	0.00	-5.55
		5	-3.12	2.36	0.00	0.00	0.00	0.23
	122	4	7.90	-7.64	0.00	0.00	0.00	-15.11
		5	-7.90	8.26	0.00	0.00	0.00	-5.50
	123	4	7.86	-7.98	0.00	0.00	0.00	-15.17
		5	-7.86	8.60	0.00	0.00	0.00	-6.31
	124	4	7.86	-7.99	0.00	0.00	0.00	-15.23
		5	-7.86	8.60	0.00	0.00	0.00	-6.28
	125	4	5.29	-6.44	0.00	0.00	0.00	-11.03
		5	-5.29	8.67	0.00	0.00	0.00	-8.56
	126	4	5.30	-6.45	0.00	0.00	0.00	-11.08
		5	-5.30	8.68	0.00	0.00	0.00	-8.52
	127	4	1.05	-2.03	0.00	0.00	0.00	-2.75
		5	-1.05	6.20	0.00	0.00	0.00	-7.92
	128	4	1.05	-2.04	0.00	0.00	0.00	-2.80
		5	-1.05	6.21	0.00	0.00	0.00	-7.89
	131	4	4.63	-2.05	0.00	0.00	0.00	-7.77
		5	-4.63	2.66	0.00	0.00	0.00	1.66
	132	4	11.91	-9.85	0.00	0.00	0.00	-21.93
		5	-11.91	10.46	0.00	0.00	0.00	-4.38
	133	4	11.87	-10.18	0.00	0.00	0.00	-21.99
		5	-11.87	10.80	0.00	0.00	0.00	-5.20
	134	4	5.66	-8.78	0.00	0.00	0.00	-12.14
		5	-5.66	9.40	0.00	0.00	0.00	-11.43
	135	4	9.40	-9.85	0.00	0.00	0.00	-18.46
		5	-9.40	10.22	0.00	0.00	0.00	-7.55
	136	4	9.40	-9.86	0.00	0.00	0.00	-18.51
		5	-9.40	10.22	0.00	0.00	0.00	-7.51
	137	4	5.24	-6.70	0.00	0.00	0.00	-10.81
		5	-5.24	7.06	0.00	0.00	0.00	-7.02
	138	4	5.24	-6.71	0.00	0.00	0.00	-10.86
		5	-5.24	7.06	0.00	0.00	0.00	-6.98
7	1	5	0.07	-0.09	0.00	0.00	0.00	2.65
		6	-0.07	0.71	0.00	0.00	0.00	-3.69
	2	5	-0.47	-1.20	0.00	0.00	0.00	11.20
		6	0.47	1.20	0.00	0.00	0.00	-14.32
	3	5	8.29	-1.63	0.00	0.00	0.00	-8.36
		6	-8.29	1.63	0.00	0.00	0.00	4.14
	13	5	3.05	-0.55	0.00	0.00	0.00	-2.88
		6	-3.05	0.55				

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	4	5	-0.59	-1.53	0.00	0.00	0.00	14.26
		6	0.59	1.53	0.00	0.00	0.00	-18.22
	5	5	12.43	-2.44	0.00	0.00	0.00	-12.52
		6	-12.43	2.44	0.00	0.00	0.00	6.21
	15	5	4.56	-0.83	0.00	0.00	0.00	-4.31
		6	-4.56	0.83	0.00	0.00	0.00	2.17
	10	5	-0.03	-0.09	0.00	0.00	0.00	0.81
		6	0.03	0.09	0.00	0.00	0.00	-1.04
	11	5	-0.03	-0.07	0.00	0.00	0.00	0.78
		6	0.03	0.07	0.00	0.00	0.00	-0.96
	18	5	0.18	-2.01	0.00	0.00	0.00	0.21
		6	-0.18	-1.81	0.00	0.00	0.00	-0.46
	19	5	-2.57	1.30	0.00	0.00	0.00	2.25
		6	2.57	0.32	0.00	0.00	0.00	-0.98
	20	5	-6.82	3.76	0.00	0.00	0.00	1.61
		6	6.82	-0.20	0.00	0.00	0.00	3.51
	100	5	0.07	-0.09	0.00	0.00	0.00	2.65
		6	-0.07	0.71	0.00	0.00	0.00	-3.69
	101	5	1.60	-0.37	0.00	0.00	0.00	1.21
		6	-1.60	0.99	0.00	0.00	0.00	-2.97
	102	5	3.75	-2.11	0.00	0.00	0.00	9.68
		6	-3.75	2.72	0.00	0.00	0.00	-15.94
	103	5	3.72	-2.20	0.00	0.00	0.00	10.49
		6	-3.72	2.81	0.00	0.00	0.00	-16.98
	104	5	3.72	-2.18	0.00	0.00	0.00	10.45
		6	-3.72	2.79	0.00	0.00	0.00	-16.90
	105	5	1.15	-0.90	0.00	0.00	0.00	12.74
		6	-1.15	3.13	0.00	0.00	0.00	-17.96
	106	5	1.15	-0.88	0.00	0.00	0.00	12.70
		6	-1.15	3.11	0.00	0.00	0.00	-17.88
	107	5	-3.10	1.56	0.00	0.00	0.00	12.10
		6	3.10	2.61	0.00	0.00	0.00	-13.46
	108	5	-3.10	1.58	0.00	0.00	0.00	12.07
		6	3.10	2.60	0.00	0.00	0.00	-13.39
	111	5	2.35	-0.51	0.00	0.00	0.00	0.50
		6	-2.35	1.12	0.00	0.00	0.00	-2.61
	112	5	5.69	-2.84	0.00	0.00	0.00	10.65
		6	-5.69	3.46	0.00	0.00	0.00	-18.81
	113	5	5.66	-2.93	0.00	0.00	0.00	11.46
		6	-5.66	3.54	0.00	0.00	0.00	-19.85
	114	5	5.66	-2.91	0.00	0.00	0.00	11.43
		6	-5.66	3.53	0.00	0.00	0.00	-19.77
	115	5	3.18	-2.61	0.00	0.00	0.00	13.81
		6	-3.18	2.98	0.00	0.00	0.00	-21.06
	116	5	3.18	-2.60	0.00	0.00	0.00	13.77
		6	-3.18	2.96	0.00	0.00	0.00	-20.98
	117	5	-0.97	-1.18	0.00	0.00	0.00	13.28
		6	0.97	1.54	0.00	0.00	0.00	-16.80
	118	5	-0.97	-1.16	0.00	0.00	0.00	13.24
		6	0.97	1.52	0.00	0.00	0.00	-16.72

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	121	5	3.12	-0.65	0.00	0.00	0.00	-0.23
		6	-3.12	1.26	0.00	0.00	0.00	-2.24
	122	5	7.90	-2.92	0.00	0.00	0.00	5.50
		6	-7.90	3.54	0.00	0.00	0.00	-13.87
	123	5	7.86	-3.01	0.00	0.00	0.00	6.31
		6	-7.86	3.62	0.00	0.00	0.00	-14.91
	124	5	7.86	-2.99	0.00	0.00	0.00	6.28
		6	-7.86	3.61	0.00	0.00	0.00	-14.83
	125	5	5.29	-1.71	0.00	0.00	0.00	8.56
		6	-5.29	3.94	0.00	0.00	0.00	-15.89
	126	5	5.30	-1.69	0.00	0.00	0.00	8.52
		6	-5.30	3.93	0.00	0.00	0.00	-15.81
	127	5	1.05	0.75	0.00	0.00	0.00	7.92
		6	-1.05	3.43	0.00	0.00	0.00	-11.39
	128	5	1.05	0.77	0.00	0.00	0.00	7.89
		6	-1.05	3.41	0.00	0.00	0.00	-11.31
	131	5	4.63	-0.92	0.00	0.00	0.00	-1.66
		6	-4.63	1.54	0.00	0.00	0.00	-1.52
	132	5	11.91	-4.06	0.00	0.00	0.00	4.38
		6	-11.91	4.68	0.00	0.00	0.00	-15.70
	133	5	11.87	-4.15	0.00	0.00	0.00	5.20
		6	-11.87	4.76	0.00	0.00	0.00	-16.74
	134	5	5.66	-2.91	0.00	0.00	0.00	11.43
		6	-5.66	3.53	0.00	0.00	0.00	-19.77
	135	5	9.40	-3.83	0.00	0.00	0.00	7.55
		6	-9.40	4.20	0.00	0.00	0.00	-17.95
	136	5	9.40	-3.82	0.00	0.00	0.00	7.51
		6	-9.40	4.18	0.00	0.00	0.00	-17.87
	137	5	5.24	-2.40	0.00	0.00	0.00	7.02
		6	-5.24	2.76	0.00	0.00	0.00	-13.69
	138	5	5.24	-2.38	0.00	0.00	0.00	6.98
		6	-5.24	2.74	0.00	0.00	0.00	-13.62
8	1	6	0.07	0.65	0.00	0.00	0.00	3.69
		7	-0.07	-0.03	0.00	0.00	0.00	-2.81
	2	6	-0.47	1.64	0.00	0.00	0.00	14.32
		7	0.47	-1.64	0.00	0.00	0.00	-10.07
	3	6	8.29	-1.22	0.00	0.00	0.00	-4.14
		7	-8.29	1.22	0.00	0.00	0.00	0.98
	13	6	3.05	-0.42	0.00	0.00	0.00	-1.45
		7	-3.05	0.42	0.00	0.00	0.00	0.37
	4	6	-0.59	2.09	0.00	0.00	0.00	18.22
		7	0.59	-2.09	0.00	0.00	0.00	-12.82
	5	6	12.43	-1.83	0.00	0.00	0.00	-6.21
		7	-12.43	1.83	0.00	0.00	0.00	1.48
	15	6	4.56	-0.62	0.00	0.00	0.00	-2.17
		7	-4.56	0.62	0.00	0.00	0.00	0.55
	10	6	-0.03	0.12	0.00	0.00	0.00	1.04
		7	0.03	-0.12	0.00	0.00	0.00	-0.73
	11	6	-0.03	0.10	0.00	0.00	0.00	0.96
		7	0.03	-0.10	—	—		0.71

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	18	6	0.18	-1.80	0.00	0.00	0.00	0.46
		7	-0.18	-2.02	0.00	0.00	0.00	-0.18
	19	6	-2.57	1.10	0.00	0.00	0.00	0.98
		7	2.57	0.52	0.00	0.00	0.00	-0.23
	20	6	-6.82	1.94	0.00	0.00	0.00	-3.51
		7	6.82	1.62	0.00	0.00	0.00	3.93
	100	6	0.07	0.65	0.00	0.00	0.00	3.69
		7	-0.07	-0.03	0.00	0.00	0.00	-2.81
	101	6	1.60	0.44	0.00	0.00	0.00	2.97
		7	-1.60	0.18	0.00	0.00	0.00	-2.63
	102	6	3.75	1.68	0.00	0.00	0.00	15.94
		7	-3.75	-1.06	0.00	0.00	0.00	-12.39
	103	6	3.72	1.80	0.00	0.00	0.00	16.98
		7	-3.72	-1.18	0.00	0.00	0.00	-13.12
	104	6	3.72	1.77	0.00	0.00	0.00	16.90
		7	-3.72	-1.16	0.00	0.00	0.00	-13.10
	105	6	1.15	2.89	0.00	0.00	0.00	17.96
		7	-1.15	-0.66	0.00	0.00	0.00	-13.35
	106	6	1.15	2.87	0.00	0.00	0.00	17.88
		7	-1.15	-0.64	0.00	0.00	0.00	-13.33
	107	6	-3.10	3.73	0.00	0.00	0.00	13.46
		7	3.10	0.44	0.00	0.00	0.00	-9.20
	108	6	-3.10	3.71	0.00	0.00	0.00	13.39
		7	3.10	0.46	0.00	0.00	0.00	-9.17
	111	6	2.35	0.33	0.00	0.00	0.00	2.61
		7	-2.35	0.28	0.00	0.00	0.00	-2.54
	112	6	5.69	1.82	0.00	0.00	0.00	18.81
		7	-5.69	-1.20	0.00	0.00	0.00	-14.89
	113	6	5.66	1.94	0.00	0.00	0.00	19.85
		7	-5.66	-1.32	0.00	0.00	0.00	-15.62
	114	6	5.66	1.92	0.00	0.00	0.00	19.77
		7	-5.66	-1.30	0.00	0.00	0.00	-15.60
	115	6	3.18	2.16	0.00	0.00	0.00	21.06
		7	-3.18	-1.79	0.00	0.00	0.00	-15.94
	116	6	3.18	2.13	0.00	0.00	0.00	20.98
		7	-3.18	-1.77	0.00	0.00	0.00	-15.92
	117	6	-0.97	2.08	0.00	0.00	0.00	16.80
		7	0.97	-1.72	0.00	0.00	0.00	-11.88
	118	6	-0.97	2.06	0.00	0.00	0.00	16.72
		7	0.97	-1.70	0.00	0.00	0.00	-11.86
	121	6	3.12	0.23	0.00	0.00	0.00	2.24
		7	-3.12	0.39	0.00	0.00	0.00	-2.45
	122	6	7.90	1.07	0.00	0.00	0.00	13.87
		7	-7.90	-0.45	0.00	0.00	0.00	-11.90
	123	6	7.86	1.19	0.00	0.00	0.00	14.91
		7	-7.86	-0.57	0.00	0.00	0.00	-12.63
	124	6	7.86	1.16	0.00	0.00	0.00	14.83
		7	-7.86	-0.55	0.00	0.00	0.00	-12.61
	125	6	5.29	2.28	0.00	0.00	0.00	15.89
		7	-5.29	-0.05	0.00	0.00	0.00	-12.86

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	126	6	5.30	2.26	0.00	0.00	0.00	15.81
		7	-5.30	-0.03	0.00	0.00	0.00	-12.83
	127	6	1.05	3.12	0.00	0.00	0.00	11.39
		7	-1.05	1.05	0.00	0.00	0.00	-8.71
	128	6	1.05	3.10	0.00	0.00	0.00	11.31
		7	-1.05	1.07	0.00	0.00	0.00	-8.68
	131	6	4.63	0.02	0.00	0.00	0.00	1.52
		7	-4.63	0.59	0.00	0.00	0.00	-2.26
	132	6	11.91	0.91	0.00	0.00	0.00	15.70
		7	-11.91	-0.29	0.00	0.00	0.00	-14.15
	133	6	11.87	1.02	0.00	0.00	0.00	16.74
		7	-11.87	-0.41	0.00	0.00	0.00	-14.89
	134	6	5.66	1.92	0.00	0.00	0.00	19.77
		7	-5.66	-1.30	0.00	0.00	0.00	-15.60
	135	6	9.40	1.24	0.00	0.00	0.00	17.95
		7	-9.40	-0.88	0.00	0.00	0.00	-15.20
	136	6	9.40	1.22	0.00	0.00	0.00	17.87
		7	-9.40	-0.86	0.00	0.00	0.00	-15.18
	137	6	5.24	1.16	0.00	0.00	0.00	13.69
		7	-5.24	-0.81	0.00	0.00	0.00	-11.14
	138	6	5.24	1.14	0.00	0.00	0.00	13.62
		7	-5.24	-0.78	0.00	0.00	0.00	-11.12
9	1	7	0.07	1.38	0.00	0.00	0.00	2.81
		8	-0.07	-0.76	0.00	0.00	0.00	-0.04
	2	7	-0.47	5.03	0.00	0.00	0.00	10.07
		8	0.47	-5.03	0.00	0.00	0.00	2.96
	3	7	8.29	-1.04	0.00	0.00	0.00	-0.98
		8	-8.29	1.04	0.00	0.00	0.00	-1.70
	13	7	3.05	-0.34	0.00	0.00	0.00	-0.37
		8	-3.05	0.34	0.00	0.00	0.00	-0.51
	4	7	-0.59	6.40	0.00	0.00	0.00	12.81
		8	0.59	-6.40	0.00	0.00	0.00	3.77
	5	7	12.43	-1.55	0.00	0.00	0.00	-1.48
		8	-12.43	1.55	0.00	0.00	0.00	-2.55
	15	7	4.56	-0.51	0.00	0.00	0.00	-0.55
		8	-4.56	0.51	0.00	0.00	0.00	-0.76
	10	7	-0.03	0.37	0.00	0.00	0.00	0.73
		8	0.03	-0.37	0.00	0.00	0.00	0.22
	11	7	-0.03	0.24	0.00	0.00	0.00	0.71
		8	0.03	-0.24	0.00	0.00	0.00	-0.09
	18	7	0.18	-1.74	0.00	0.00	0.00	0.18
		8	-0.18	-2.08	0.00	0.00	0.00	0.26
	19	7	-2.57	1.01	0.00	0.00	0.00	0.23
		8	2.57	0.61	0.00	0.00	0.00	0.29
	20	7	-6.82	0.19	0.00	0.00	0.00	-3.93
		8	6.82	3.37	0.00	0.00	0.00	-0.20
	100	7	0.07	1.38	0.00	0.00	0.00	2.81
		8	-0.07	-0.76	0.00	0.00	0.00	-0.04
	101	7	1.60	1.21	0.00	0.00	0.00	2.63

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	102	7	3.75	5.89	0.00	0.00	0.00	12.39
		8	-3.75	-5.27	0.00	0.00	0.00	2.07
	103	7	3.72	6.25	0.00	0.00	0.00	13.12
		8	-3.72	-5.64	0.00	0.00	0.00	2.28
	104	7	3.72	6.12	0.00	0.00	0.00	13.10
		8	-3.72	-5.51	0.00	0.00	0.00	1.98
	105	7	1.15	7.26	0.00	0.00	0.00	13.35
		8	-1.15	-5.03	0.00	0.00	0.00	2.57
	106	7	1.15	7.13	0.00	0.00	0.00	13.33
		8	-1.15	-4.90	0.00	0.00	0.00	2.26
	107	7	-3.10	6.44	0.00	0.00	0.00	9.20
		8	3.10	-2.27	0.00	0.00	0.00	2.08
	108	7	-3.10	6.31	0.00	0.00	0.00	9.17
		8	3.10	-2.14	0.00	0.00	0.00	1.78
	111	7	2.35	1.12	0.00	0.00	0.00	2.54
		8	-2.35	-0.51	0.00	0.00	0.00	-0.42
	112	7	5.69	7.00	0.00	0.00	0.00	14.89
		8	-5.69	-6.38	0.00	0.00	0.00	2.45
	113	7	5.66	7.36	0.00	0.00	0.00	15.62
		8	-5.66	-6.75	0.00	0.00	0.00	2.66
	114	7	5.66	7.24	0.00	0.00	0.00	15.60
		8	-5.66	-6.62	0.00	0.00	0.00	2.36
	115	7	3.18	7.52	0.00	0.00	0.00	15.94
		8	-3.18	-7.16	0.00	0.00	0.00	3.08
	116	7	3.18	7.39	0.00	0.00	0.00	15.92
		8	-3.18	-7.03	0.00	0.00	0.00	2.78
	117	7	-0.97	5.82	0.00	0.00	0.00	11.88
		8	0.97	-5.46	0.00	0.00	0.00	2.73
	118	7	-0.97	5.69	0.00	0.00	0.00	11.86
		8	0.97	-5.33	0.00	0.00	0.00	2.43
	121	7	3.12	1.04	0.00	0.00	0.00	2.45
		8	-3.12	-0.42	0.00	0.00	0.00	-0.55
	122	7	7.90	5.37	0.00	0.00	0.00	11.90
		8	-7.90	-4.75	0.00	0.00	0.00	1.22
	123	7	7.86	5.73	0.00	0.00	0.00	12.63
		8	-7.86	-5.12	0.00	0.00	0.00	1.43
	124	7	7.86	5.61	0.00	0.00	0.00	12.61
		8	-7.86	-4.99	0.00	0.00	0.00	1.12
	125	7	5.29	6.74	0.00	0.00	0.00	12.86
		8	-5.29	-4.51	0.00	0.00	0.00	1.72
	126	7	5.30	6.61	0.00	0.00	0.00	12.83
		8	-5.30	-4.38	0.00	0.00	0.00	1.41
	127	7	1.05	5.92	0.00	0.00	0.00	8.71
		8	-1.05	-1.75	0.00	0.00	0.00	1.23
	128	7	1.05	5.80	0.00	0.00	0.00	8.68
		8	-1.05	-1.62	0.00	0.00	0.00	0.93
	131	7	4.63	0.87	0.00	0.00	0.00	2.26
		8	-4.63	-0.26	0.00	0.00	0.00	-0.80
	132	7	11.91	6.22	0.00	0.00	0.00	14.15
		8	-11.91	-5.61	0.00	0.00	0.00	1.17

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	133	7	11.87	6.59	0.00	0.00	0.00	14.89
		8	-11.87	-5.97	0.00	0.00	0.00	1.39
	134	7	5.66	7.24	0.00	0.00	0.00	15.60
		8	-5.66	-6.62	0.00	0.00	0.00	2.36
	135	7	9.40	6.74	0.00	0.00	0.00	15.20
		8	-9.40	-6.38	0.00	0.00	0.00	1.81
	136	7	9.40	6.62	0.00	0.00	0.00	15.18
		8	-9.40	-6.25	0.00	0.00	0.00	1.50
	137	7	5.24	5.04	0.00	0.00	0.00	11.14
		8	-5.24	-4.68	0.00	0.00	0.00	1.46
	138	7	5.24	4.91	0.00	0.00	0.00	11.12
		8	-5.24	-4.56	0.00	0.00	0.00	1.15
10	1	8	0.07	2.31	0.00	0.00	0.00	0.04
		9	-0.07	-1.69	0.00	0.00	0.00	5.14
	2	8	-0.47	9.71	0.00	0.00	0.00	-2.96
		9	0.47	-9.71	0.00	0.00	0.00	28.13
	3	8	8.29	-1.17	0.00	0.00	0.00	1.70
		9	-8.29	1.17	0.00	0.00	0.00	-4.74
	13	8	3.05	-0.36	0.00	0.00	0.00	0.51
		9	-3.05	0.36	0.00	0.00	0.00	-1.43
	4	8	-0.59	12.36	0.00	0.00	0.00	-3.77
		9	0.59	-12.36	0.00	0.00	0.00	35.80
	5	8	12.43	-1.75	0.00	0.00	0.00	2.55
		9	-12.43	1.75	0.00	0.00	0.00	-7.10
	15	8	4.56	-0.53	0.00	0.00	0.00	0.76
		9	-4.56	0.53	0.00	0.00	0.00	-2.13
	10	8	-0.03	0.71	0.00	0.00	0.00	-0.22
		9	0.03	-0.71	0.00	0.00	0.00	2.05
	11	8	-0.03	0.41	0.00	0.00	0.00	0.09
		9	0.03	-0.41	0.00	0.00	0.00	0.97
	18	8	0.18	-1.73	0.00	0.00	0.00	-0.26
		9	-0.18	-2.08	0.00	0.00	0.00	0.72
	19	8	-2.57	1.01	0.00	0.00	0.00	-0.29
		9	2.57	0.60	0.00	0.00	0.00	0.82
	20	8	-6.82	-1.83	0.00	0.00	0.00	0.20
		9	6.82	5.39	0.00	0.00	0.00	-9.56
	100	8	0.07	2.31	0.00	0.00	0.00	0.04
		9	-0.07	-1.69	0.00	0.00	0.00	5.14
	101	8	1.60	2.13	0.00	0.00	0.00	0.30
		9	-1.60	-1.51	0.00	0.00	0.00	4.43
	102	8	3.75	11.43	0.00	0.00	0.00	-2.07
		9	-3.75	-10.82	0.00	0.00	0.00	30.90
	103	8	3.72	12.14	0.00	0.00	0.00	-2.28
		9	-3.72	-11.53	0.00	0.00	0.00	32.95
	104	8	3.72	11.84	0.00	0.00	0.00	-1.98
		9	-3.72	-11.23	0.00	0.00	0.00	31.87
	105	8	1.15	13.16	0.00	0.00	0.00	-2.57
		9	-1.15	-10.92	0.00	0.00	0.00	33.77
	106	8	1.15	12.86	0.00	0.00	0.00	-2.26
		9	-1.15	10.63	—	—	—	32.70

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	107	8	-3.10	10.31	0.00	0.00	0.00	-2.08
		9	3.10	-6.13	0.00	0.00	0.00	23.39
	108	8	-3.10	10.01	0.00	0.00	0.00	-1.78
		9	3.10	-5.84	0.00	0.00	0.00	22.31
	111	8	2.35	2.04	0.00	0.00	0.00	0.42
		9	-2.35	-1.43	0.00	0.00	0.00	4.07
	112	8	5.69	13.79	0.00	0.00	0.00	-2.45
		9	-5.69	-13.18	0.00	0.00	0.00	37.40
	113	8	5.66	14.50	0.00	0.00	0.00	-2.66
		9	-5.66	-13.88	0.00	0.00	0.00	39.44
	114	8	5.66	14.20	0.00	0.00	0.00	-2.36
		9	-5.66	-13.59	0.00	0.00	0.00	38.37
	115	8	3.18	14.66	0.00	0.00	0.00	-3.08
		9	-3.18	-14.30	0.00	0.00	0.00	40.62
	116	8	3.18	14.37	0.00	0.00	0.00	-2.78
		9	-3.18	-14.00	0.00	0.00	0.00	39.54
	117	8	-0.97	10.93	0.00	0.00	0.00	-2.73
		9	0.97	-10.57	0.00	0.00	0.00	30.60
	118	8	-0.97	10.63	0.00	0.00	0.00	-2.43
		9	0.97	-10.28	0.00	0.00	0.00	29.52
	121	8	3.12	1.95	0.00	0.00	0.00	0.55
		9	-3.12	-1.34	0.00	0.00	0.00	3.71
	122	8	7.90	10.85	0.00	0.00	0.00	-1.22
		9	-7.90	-10.23	0.00	0.00	0.00	28.54
	123	8	7.86	11.56	0.00	0.00	0.00	-1.43
		9	-7.86	-10.94	0.00	0.00	0.00	30.58
	124	8	7.86	11.26	0.00	0.00	0.00	-1.12
		9	-7.86	-10.64	0.00	0.00	0.00	29.51
	125	8	5.29	12.57	0.00	0.00	0.00	-1.72
		9	-5.29	-10.34	0.00	0.00	0.00	31.40
	126	8	5.30	12.27	0.00	0.00	0.00	-1.41
		9	-5.30	-10.04	0.00	0.00	0.00	30.33
	127	8	1.05	9.72	0.00	0.00	0.00	-1.23
		9	-1.05	-5.55	0.00	0.00	0.00	21.02
	128	8	1.05	9.42	0.00	0.00	0.00	-0.93
		9	-1.05	-5.25	0.00	0.00	0.00	19.94
	131	8	4.63	1.78	0.00	0.00	0.00	0.80
		9	-4.63	-1.16	0.00	0.00	0.00	3.01
	132	8	11.91	12.92	0.00	0.00	0.00	-1.17
		9	-11.91	-12.30	0.00	0.00	0.00	33.85
	133	8	11.87	13.62	0.00	0.00	0.00	-1.39
		9	-11.87	-13.01	0.00	0.00	0.00	35.89
	134	8	5.66	14.20	0.00	0.00	0.00	-2.36
		9	-5.66	-13.59	0.00	0.00	0.00	38.37
	135	8	9.40	13.79	0.00	0.00	0.00	-1.81
		9	-9.40	-13.42	0.00	0.00	0.00	37.07
	136	8	9.40	13.49	0.00	0.00	0.00	-1.50
		9	-9.40	-13.13	0.00	0.00	0.00	35.99
	137	8	5.24	10.05	0.00	0.00	0.00	-1.46
		9	-5.24	-9.70	0.00	0.00	0.00	27.05

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	138	8	5.24	9.76	0.00	0.00	0.00	-1.15
		9	-5.24	-9.40	0.00	0.00	0.00	25.98
11	1	9	0.07	-1.69	0.00	0.00	0.00	-5.14
		10	-0.07	2.31	0.00	0.00	0.00	-0.04
	2	9	-0.47	-9.71	0.00	0.00	0.00	-28.13
		10	0.47	9.71	0.00	0.00	0.00	2.96
	3	9	8.29	1.17	0.00	0.00	0.00	4.74
		10	-8.29	-1.17	0.00	0.00	0.00	-1.70
	13	9	3.05	0.36	0.00	0.00	0.00	1.43
		10	-3.05	-0.36	0.00	0.00	0.00	-0.51
	4	9	-0.59	-12.36	0.00	0.00	0.00	-35.80
		10	0.59	12.36	0.00	0.00	0.00	3.77
	5	9	12.43	1.75	0.00	0.00	0.00	7.10
		10	-12.43	-1.75	0.00	0.00	0.00	-2.55
	15	9	4.56	0.53	0.00	0.00	0.00	2.13
		10	-4.56	-0.53	0.00	0.00	0.00	-0.76
	10	9	-0.03	-0.71	0.00	0.00	0.00	-2.05
		10	0.03	0.71	0.00	0.00	0.00	0.22
	11	9	0.00	-0.30	0.00	0.00	0.00	-1.08
		10	0.00	0.30	0.00	0.00	0.00	0.31
	18	9	0.18	-2.08	0.00	0.00	0.00	-0.72
		10	-0.18	-1.73	0.00	0.00	0.00	0.26
	19	9	-2.57	0.60	0.00	0.00	0.00	-0.82
		10	2.57	1.01	0.00	0.00	0.00	0.29
	20	9	-6.82	5.39	0.00	0.00	0.00	9.56
		10	6.82	-1.84	0.00	0.00	0.00	-0.20
	100	9	0.07	-1.69	0.00	0.00	0.00	-5.14
		10	-0.07	2.31	0.00	0.00	0.00	-0.04
	101	9	1.60	-1.51	0.00	0.00	0.00	-4.43
		10	-1.60	2.13	0.00	0.00	0.00	-0.30
	102	9	3.75	-10.82	0.00	0.00	0.00	-30.90
		10	-3.75	11.43	0.00	0.00	0.00	2.07
	103	9	3.72	-11.53	0.00	0.00	0.00	-32.95
		10	-3.72	12.14	0.00	0.00	0.00	2.28
	104	9	3.75	-11.12	0.00	0.00	0.00	-31.98
		10	-3.75	11.73	0.00	0.00	0.00	2.37
	105	9	1.15	-10.92	0.00	0.00	0.00	-33.77
		10	-1.15	13.16	0.00	0.00	0.00	2.57
	106	9	1.18	-10.51	0.00	0.00	0.00	-32.80
		10	-1.18	12.75	0.00	0.00	0.00	2.66
	107	9	-3.10	-6.13	0.00	0.00	0.00	-23.39
		10	3.10	10.31	0.00	0.00	0.00	2.09
	108	9	-3.06	-5.72	0.00	0.00	0.00	-22.42
		10	3.06	9.90	0.00	0.00	0.00	2.18
	111	9	2.35	-1.43	0.00	0.00	0.00	-4.07
		10	-2.35	2.04	0.00	0.00	0.00	-0.42
	112	9	5.69	-13.18	0.00	0.00	0.00	-37.40
		10	-5.69	13.79	0.00	0.00	0.00	2.45
	113	9	5.66	-13.88	0.00	0.00	0.00	-39.44
		10	-5.66	14.50	—	—	—	2.67

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	114	9	5.69	-13.47	0.00	0.00	0.00	-38.47
		10	-5.69	14.09	0.00	0.00	0.00	2.76
	115	9	3.18	-14.30	0.00	0.00	0.00	-40.62
		10	-3.18	14.66	0.00	0.00	0.00	3.08
	116	9	3.22	-13.89	0.00	0.00	0.00	-39.65
		10	-3.22	14.26	0.00	0.00	0.00	3.17
	117	9	-0.97	-10.57	0.00	0.00	0.00	-30.60
		10	0.97	10.93	0.00	0.00	0.00	2.73
	118	9	-0.94	-10.16	0.00	0.00	0.00	-29.63
		10	0.94	10.52	0.00	0.00	0.00	2.82
	121	9	3.12	-1.34	0.00	0.00	0.00	-3.71
		10	-3.12	1.95	0.00	0.00	0.00	-0.55
	122	9	7.90	-10.23	0.00	0.00	0.00	-28.54
		10	-7.90	10.85	0.00	0.00	0.00	1.22
	123	9	7.86	-10.94	0.00	0.00	0.00	-30.58
		10	-7.86	11.56	0.00	0.00	0.00	1.43
	124	9	7.90	-10.53	0.00	0.00	0.00	-29.61
		10	-7.90	11.15	0.00	0.00	0.00	1.52
	125	9	5.29	-10.34	0.00	0.00	0.00	-31.40
		10	-5.29	12.57	0.00	0.00	0.00	1.72
	126	9	5.33	-9.93	0.00	0.00	0.00	-30.43
		10	-5.33	12.16	0.00	0.00	0.00	1.81
	127	9	1.05	-5.55	0.00	0.00	0.00	-21.02
		10	-1.05	9.72	0.00	0.00	0.00	1.23
	128	9	1.08	-5.14	0.00	0.00	0.00	-20.05
		10	-1.08	9.31	0.00	0.00	0.00	1.32
	131	9	4.63	-1.16	0.00	0.00	0.00	-3.01
		10	-4.63	1.78	0.00	0.00	0.00	-0.80
	132	9	11.91	-12.30	0.00	0.00	0.00	-33.85
		10	-11.91	12.92	0.00	0.00	0.00	1.18
	133	9	11.87	-13.01	0.00	0.00	0.00	-35.89
		10	-11.87	13.62	0.00	0.00	0.00	1.39
	134	9	5.69	-13.47	0.00	0.00	0.00	-38.47
		10	-5.69	14.09	0.00	0.00	0.00	2.76
	135	9	9.40	-13.42	0.00	0.00	0.00	-37.07
		10	-9.40	13.79	0.00	0.00	0.00	1.81
	136	9	9.43	-13.01	0.00	0.00	0.00	-36.10
		10	-9.43	13.38	0.00	0.00	0.00	1.90
	137	9	5.24	-9.70	0.00	0.00	0.00	-27.05
		10	-5.24	10.06	0.00	0.00	0.00	1.46
	138	9	5.28	-9.29	0.00	0.00	0.00	-26.08
		10	-5.28	9.65	0.00	0.00	0.00	1.55
12	1	10	0.07	-0.76	0.00	0.00	0.00	0.04
		11	-0.07	1.38	0.00	0.00	0.00	-2.81
	2	10	-0.47	-5.03	0.00	0.00	0.00	-2.96
		11	0.47	5.03	0.00	0.00	0.00	-10.07
	3	10	8.29	1.04	0.00	0.00	0.00	1.70
		11	-8.29	-1.04	0.00	0.00	0.00	0.98
	13	10	3.05	0.34	0.00	0.00	0.00	0.51
		11	-3.05	-0.34	—	—	—	0.37

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	4	10	-0.59	-6.40	0.00	0.00	0.00	-3.77
		11	0.59	6.40	0.00	0.00	0.00	-12.81
	5	10	12.43	1.55	0.00	0.00	0.00	2.55
		11	-12.43	-1.55	0.00	0.00	0.00	1.48
	15	10	4.56	0.51	0.00	0.00	0.00	0.76
		11	-4.56	-0.51	0.00	0.00	0.00	0.55
	10	10	-0.03	-0.37	0.00	0.00	0.00	-0.22
		11	0.03	0.37	0.00	0.00	0.00	-0.73
	11	10	0.00	-0.13	0.00	0.00	0.00	-0.31
		11	0.00	0.13	0.00	0.00	0.00	-0.02
	18	10	0.18	-2.08	0.00	0.00	0.00	-0.26
		11	-0.18	-1.74	0.00	0.00	0.00	-0.18
	19	10	-2.57	0.61	0.00	0.00	0.00	-0.29
		11	2.57	1.01	0.00	0.00	0.00	-0.23
	20	10	-6.82	3.37	0.00	0.00	0.00	0.20
		11	6.82	0.19	0.00	0.00	0.00	3.93
	100	10	0.07	-0.76	0.00	0.00	0.00	0.04
		11	-0.07	1.38	0.00	0.00	0.00	-2.81
	101	10	1.60	-0.59	0.00	0.00	0.00	0.30
		11	-1.60	1.21	0.00	0.00	0.00	-2.63
	102	10	3.75	-5.27	0.00	0.00	0.00	-2.07
		11	-3.75	5.89	0.00	0.00	0.00	-12.39
	103	10	3.72	-5.64	0.00	0.00	0.00	-2.28
		11	-3.72	6.25	0.00	0.00	0.00	-13.12
	104	10	3.75	-5.40	0.00	0.00	0.00	-2.37
		11	-3.75	6.01	0.00	0.00	0.00	-12.41
	105	10	1.15	-5.03	0.00	0.00	0.00	-2.57
		11	-1.15	7.26	0.00	0.00	0.00	-13.35
	106	10	1.18	-4.79	0.00	0.00	0.00	-2.66
		11	-1.18	7.02	0.00	0.00	0.00	-12.64
	107	10	-3.10	-2.27	0.00	0.00	0.00	-2.09
		11	3.10	6.44	0.00	0.00	0.00	-9.20
	108	10	-3.06	-2.03	0.00	0.00	0.00	-2.18
		11	3.06	6.20	0.00	0.00	0.00	-8.49
	111	10	2.35	-0.51	0.00	0.00	0.00	0.42
		11	-2.35	1.12	0.00	0.00	0.00	-2.54
	112	10	5.69	-6.38	0.00	0.00	0.00	-2.45
		11	-5.69	7.00	0.00	0.00	0.00	-14.89
	113	10	5.66	-6.75	0.00	0.00	0.00	-2.67
		11	-5.66	7.36	0.00	0.00	0.00	-15.62
	114	10	5.69	-6.51	0.00	0.00	0.00	-2.76
		11	-5.69	7.13	0.00	0.00	0.00	-14.91
	115	10	3.18	-7.16	0.00	0.00	0.00	-3.08
		11	-3.18	7.52	0.00	0.00	0.00	-15.94
	116	10	3.22	-6.92	0.00	0.00	0.00	-3.17
		11	-3.22	7.28	0.00	0.00	0.00	-15.23
	117	10	-0.97	-5.46	0.00	0.00	0.00	-2.73
		11	0.97	5.82	0.00	0.00	0.00	-11.88
	118	10	-0.94	-5.22	0.00	0.00	0.00	-2.82
		11	0.94	5.58	0.00	0.00	0.00	-11.17

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	121	10	3.12	-0.42	0.00	0.00	0.00	0.55
		11	-3.12	1.04	0.00	0.00	0.00	-2.45
	122	10	7.90	-4.75	0.00	0.00	0.00	-1.22
		11	-7.90	5.37	0.00	0.00	0.00	-11.90
	123	10	7.86	-5.12	0.00	0.00	0.00	-1.43
		11	-7.86	5.73	0.00	0.00	0.00	-12.63
	124	10	7.90	-4.88	0.00	0.00	0.00	-1.52
		11	-7.90	5.49	0.00	0.00	0.00	-11.92
	125	10	5.29	-4.51	0.00	0.00	0.00	-1.72
		11	-5.29	6.74	0.00	0.00	0.00	-12.86
	126	10	5.33	-4.27	0.00	0.00	0.00	-1.81
		11	-5.33	6.50	0.00	0.00	0.00	-12.15
	127	10	1.05	-1.75	0.00	0.00	0.00	-1.23
		11	-1.05	5.92	0.00	0.00	0.00	-8.71
	128	10	1.08	-1.51	0.00	0.00	0.00	-1.32
		11	-1.08	5.68	0.00	0.00	0.00	-8.00
	131	10	4.63	-0.26	0.00	0.00	0.00	0.80
		11	-4.63	0.87	0.00	0.00	0.00	-2.26
	132	10	11.91	-5.61	0.00	0.00	0.00	-1.18
		11	-11.91	6.22	0.00	0.00	0.00	-14.15
	133	10	11.87	-5.97	0.00	0.00	0.00	-1.39
		11	-11.87	6.59	0.00	0.00	0.00	-14.89
	134	10	5.69	-6.51	0.00	0.00	0.00	-2.76
		11	-5.69	7.13	0.00	0.00	0.00	-14.91
	135	10	9.40	-6.38	0.00	0.00	0.00	-1.81
		11	-9.40	6.74	0.00	0.00	0.00	-15.20
	136	10	9.43	-6.14	0.00	0.00	0.00	-1.90
		11	-9.43	6.51	0.00	0.00	0.00	-14.49
	137	10	5.24	-4.68	0.00	0.00	0.00	-1.46
		11	-5.24	5.04	0.00	0.00	0.00	-11.14
	138	10	5.28	-4.44	0.00	0.00	0.00	-1.55
		11	-5.28	4.80	0.00	0.00	0.00	-10.43
13	1	11	0.07	-0.03	0.00	0.00	0.00	2.81
		12	-0.07	0.65	0.00	0.00	0.00	-3.69
	2	11	-0.47	-1.64	0.00	0.00	0.00	10.07
		12	0.47	1.64	0.00	0.00	0.00	-14.32
	3	11	8.29	1.22	0.00	0.00	0.00	-0.98
		12	-8.29	-1.22	0.00	0.00	0.00	4.14
	13	11	3.05	0.42	0.00	0.00	0.00	-0.37
		12	-3.05	-0.42	0.00	0.00	0.00	1.45
	4	11	-0.59	-2.09	0.00	0.00	0.00	12.81
		12	0.59	2.09	0.00	0.00	0.00	-18.22
	5	11	12.43	1.83	0.00	0.00	0.00	-1.48
		12	-12.43	-1.83	0.00	0.00	0.00	6.21
	15	11	4.56	0.62	0.00	0.00	0.00	-0.55
		12	-4.56	-0.62	0.00	0.00	0.00	2.17
	10	11	-0.03	-0.12	0.00	0.00	0.00	0.73
		12	0.03	0.12	0.00	0.00	0.00	-1.04
	11	11	0.00	-0.02	0.00	0.00	0.00	0.02
		12	-	0.02	—	—	—	-0.08

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	18	11	0.18	-2.02	0.00	0.00	0.00	0.18
		12	-0.18	-1.80	0.00	0.00	0.00	-0.46
	19	11	-2.57	0.52	0.00	0.00	0.00	0.23
		12	2.57	1.10	0.00	0.00	0.00	-0.98
	20	11	-6.82	1.62	0.00	0.00	0.00	-3.93
		12	6.82	1.94	0.00	0.00	0.00	3.51
	100	11	0.07	-0.03	0.00	0.00	0.00	2.81
		12	-0.07	0.65	0.00	0.00	0.00	-3.69
	101	11	1.60	0.18	0.00	0.00	0.00	2.63
		12	-1.60	0.44	0.00	0.00	0.00	-2.97
	102	11	3.75	-1.06	0.00	0.00	0.00	12.39
		12	-3.75	1.68	0.00	0.00	0.00	-15.94
	103	11	3.72	-1.18	0.00	0.00	0.00	13.12
		12	-3.72	1.80	0.00	0.00	0.00	-16.98
	104	11	3.75	-1.08	0.00	0.00	0.00	12.41
		12	-3.75	1.70	0.00	0.00	0.00	-16.02
	105	11	1.15	-0.66	0.00	0.00	0.00	13.35
		12	-1.15	2.89	0.00	0.00	0.00	-17.96
	106	11	1.18	-0.56	0.00	0.00	0.00	12.64
		12	-1.18	2.80	0.00	0.00	0.00	-17.00
	107	11	-3.10	0.44	0.00	0.00	0.00	9.20
		12	3.10	3.73	0.00	0.00	0.00	-13.46
	108	11	-3.06	0.54	0.00	0.00	0.00	8.49
		12	3.06	3.64	0.00	0.00	0.00	-12.50
	111	11	2.35	0.28	0.00	0.00	0.00	2.54
		12	-2.35	0.33	0.00	0.00	0.00	-2.61
	112	11	5.69	-1.20	0.00	0.00	0.00	14.89
		12	-5.69	1.82	0.00	0.00	0.00	-18.81
	113	11	5.66	-1.32	0.00	0.00	0.00	15.62
		12	-5.66	1.94	0.00	0.00	0.00	-19.85
	114	11	5.69	-1.23	0.00	0.00	0.00	14.91
		12	-5.69	1.84	0.00	0.00	0.00	-18.89
	115	11	3.18	-1.79	0.00	0.00	0.00	15.94
		12	-3.18	2.16	0.00	0.00	0.00	-21.06
	116	11	3.22	-1.70	0.00	0.00	0.00	15.23
		12	-3.22	2.06	0.00	0.00	0.00	-20.09
	117	11	-0.97	-1.72	0.00	0.00	0.00	11.88
		12	0.97	2.08	0.00	0.00	0.00	-16.80
	118	11	-0.94	-1.62	0.00	0.00	0.00	11.17
		12	0.94	1.98	0.00	0.00	0.00	-15.84
	121	11	3.12	0.39	0.00	0.00	0.00	2.45
		12	-3.12	0.23	0.00	0.00	0.00	-2.24
	122	11	7.90	-0.45	0.00	0.00	0.00	11.90
		12	-7.90	1.07	0.00	0.00	0.00	-13.87
	123	11	7.86	-0.57	0.00	0.00	0.00	12.63
		12	-7.86	1.19	0.00	0.00	0.00	-14.91
	124	11	7.90	-0.47	0.00	0.00	0.00	11.92
		12	-7.90	1.09	0.00	0.00	0.00	-13.94
	125	11	5.29	-0.05	0.00	0.00	0.00	12.86
		12	-5.29	2.28	0.00	0.00	0.00	-15.89

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	126	11	5.33	0.05	0.00	0.00	0.00	12.15
		12	-5.33	2.19	0.00	0.00	0.00	-14.92
	127	11	1.05	1.05	0.00	0.00	0.00	8.71
		12	-1.05	3.12	0.00	0.00	0.00	-11.39
	128	11	1.08	1.15	0.00	0.00	0.00	8.00
		12	-1.08	3.03	0.00	0.00	0.00	-10.43
	131	11	4.63	0.59	0.00	0.00	0.00	2.26
		12	-4.63	0.02	0.00	0.00	0.00	-1.52
	132	11	11.91	-0.29	0.00	0.00	0.00	14.15
		12	-11.91	0.91	0.00	0.00	0.00	-15.70
	133	11	11.87	-0.41	0.00	0.00	0.00	14.89
		12	-11.87	1.02	0.00	0.00	0.00	-16.74
	134	11	5.69	-1.23	0.00	0.00	0.00	14.91
		12	-5.69	1.84	0.00	0.00	0.00	-18.89
	135	11	9.40	-0.88	0.00	0.00	0.00	15.20
		12	-9.40	1.24	0.00	0.00	0.00	-17.95
	136	11	9.43	-0.78	0.00	0.00	0.00	14.49
		12	-9.43	1.15	0.00	0.00	0.00	-16.99
	137	11	5.24	-0.81	0.00	0.00	0.00	11.14
		12	-5.24	1.16	0.00	0.00	0.00	-13.69
	138	11	5.28	-0.71	0.00	0.00	0.00	10.43
		12	-5.28	1.07	0.00	0.00	0.00	-12.73
14	1	12	0.07	0.71	0.00	0.00	0.00	3.69
		13	-0.07	-0.09	0.00	0.00	0.00	-2.65
	2	12	-0.47	1.20	0.00	0.00	0.00	14.32
		13	0.47	-1.20	0.00	0.00	0.00	-11.20
	3	12	8.29	1.63	0.00	0.00	0.00	-4.14
		13	-8.29	-1.63	0.00	0.00	0.00	8.36
	13	12	3.05	0.55	0.00	0.00	0.00	-1.45
		13	-3.05	-0.55	0.00	0.00	0.00	2.88
	4	12	-0.59	1.53	0.00	0.00	0.00	18.22
		13	0.59	-1.53	0.00	0.00	0.00	-14.26
	5	12	12.43	2.44	0.00	0.00	0.00	-6.21
		13	-12.43	-2.44	0.00	0.00	0.00	12.52
	15	12	4.56	0.83	0.00	0.00	0.00	-2.17
		13	-4.56	-0.83	0.00	0.00	0.00	4.31
	10	12	-0.03	0.09	0.00	0.00	0.00	1.04
		13	0.03	-0.09	0.00	0.00	0.00	-0.81
	11	12	0.00	0.02	0.00	0.00	0.00	0.08
		13	0.00	-0.02	0.00	0.00	0.00	-0.04
	18	12	0.18	-1.81	0.00	0.00	0.00	0.46
		13	-0.18	-2.01	0.00	0.00	0.00	-0.21
	19	12	-2.57	0.32	0.00	0.00	0.00	0.98
		13	2.57	1.30	0.00	0.00	0.00	-2.25
	20	12	-6.82	-0.20	0.00	0.00	0.00	-3.51
		13	6.82	3.76	0.00	0.00	0.00	-1.61
	100	12	0.07	0.71	0.00	0.00	0.00	3.69
		13	-0.07	-0.09	0.00	0.00	0.00	-2.65
	101	12	1.60	0.99	0.00	0.00	0.00	2.97
		13	-1.60	-0.37	—	—	—	-1.21

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	102	12	3.75	2.72	0.00	0.00	0.00	15.94
		13	-3.75	-2.11	0.00	0.00	0.00	-9.68
	103	12	3.72	2.81	0.00	0.00	0.00	16.98
		13	-3.72	-2.20	0.00	0.00	0.00	-10.49
	104	12	3.75	2.74	0.00	0.00	0.00	16.02
		13	-3.75	-2.13	0.00	0.00	0.00	-9.71
	105	12	1.15	3.13	0.00	0.00	0.00	17.96
		13	-1.15	-0.90	0.00	0.00	0.00	-12.74
	106	12	1.18	3.06	0.00	0.00	0.00	17.00
		13	-1.18	-0.83	0.00	0.00	0.00	-11.96
	107	12	-3.10	2.61	0.00	0.00	0.00	13.46
		13	3.10	1.56	0.00	0.00	0.00	-12.10
	108	12	-3.06	2.54	0.00	0.00	0.00	12.50
		13	3.06	1.63	0.00	0.00	0.00	-11.32
	111	12	2.35	1.12	0.00	0.00	0.00	2.61
		13	-2.35	-0.51	0.00	0.00	0.00	-0.50
	112	12	5.69	3.46	0.00	0.00	0.00	18.81
		13	-5.69	-2.84	0.00	0.00	0.00	-10.65
	113	12	5.66	3.54	0.00	0.00	0.00	19.85
		13	-5.66	-2.93	0.00	0.00	0.00	-11.46
	114	12	5.69	3.47	0.00	0.00	0.00	18.89
		13	-5.69	-2.86	0.00	0.00	0.00	-10.68
	115	12	3.18	2.98	0.00	0.00	0.00	21.06
		13	-3.18	-2.61	0.00	0.00	0.00	-13.81
	116	12	3.22	2.91	0.00	0.00	0.00	20.09
		13	-3.22	-2.54	0.00	0.00	0.00	-13.03
	117	12	-0.97	1.54	0.00	0.00	0.00	16.80
		13	0.97	-1.18	0.00	0.00	0.00	-13.28
	118	12	-0.94	1.47	0.00	0.00	0.00	15.84
		13	0.94	-1.11	0.00	0.00	0.00	-12.50
	121	12	3.12	1.26	0.00	0.00	0.00	2.24
		13	-3.12	-0.65	0.00	0.00	0.00	0.23
	122	12	7.90	3.54	0.00	0.00	0.00	13.87
		13	-7.90	-2.92	0.00	0.00	0.00	-5.50
	123	12	7.86	3.62	0.00	0.00	0.00	14.91
		13	-7.86	-3.01	0.00	0.00	0.00	-6.31
	124	12	7.90	3.55	0.00	0.00	0.00	13.94
		13	-7.90	-2.94	0.00	0.00	0.00	-5.53
	125	12	5.29	3.94	0.00	0.00	0.00	15.89
		13	-5.29	-1.71	0.00	0.00	0.00	-8.56
	126	12	5.33	3.87	0.00	0.00	0.00	14.92
		13	-5.33	-1.64	0.00	0.00	0.00	-7.78
	127	12	1.05	3.43	0.00	0.00	0.00	11.39
		13	-1.05	0.75	0.00	0.00	0.00	-7.92
	128	12	1.08	3.35	0.00	0.00	0.00	10.43
		13	-1.08	0.82	0.00	0.00	0.00	-7.14
	131	12	4.63	1.54	0.00	0.00	0.00	1.52
		13	-4.63	-0.92	0.00	0.00	0.00	1.66
	132	12	11.91	4.68	0.00	0.00	0.00	15.70
		13	-11.91	-4.06	0.00	0.00	0.00	-4.38

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	133	12	11.87	4.76	0.00	0.00	0.00	16.74
		13	-11.87	-4.15	0.00	0.00	0.00	-5.20
	134	12	5.69	3.47	0.00	0.00	0.00	18.89
		13	-5.69	-2.86	0.00	0.00	0.00	-10.68
	135	12	9.40	4.20	0.00	0.00	0.00	17.95
		13	-9.40	-3.83	0.00	0.00	0.00	-7.55
	136	12	9.43	4.13	0.00	0.00	0.00	16.99
		13	-9.43	-3.76	0.00	0.00	0.00	-6.77
	137	12	5.24	2.76	0.00	0.00	0.00	13.69
		13	-5.24	-2.40	0.00	0.00	0.00	-7.02
	138	12	5.28	2.69	0.00	0.00	0.00	12.73
		13	-5.28	-2.33	0.00	0.00	0.00	-6.24
15	1	13	0.07	1.74	0.00	0.00	0.00	2.65
		14	-0.07	-1.13	0.00	0.00	0.00	1.06
	2	13	-0.47	4.64	0.00	0.00	0.00	11.20
		14	0.47	-4.64	0.00	0.00	0.00	0.83
	3	13	8.29	1.88	0.00	0.00	0.00	-8.36
		14	-8.29	-1.88	0.00	0.00	0.00	13.22
	13	13	3.05	0.62	0.00	0.00	0.00	-2.88
		14	-3.05	-0.62	0.00	0.00	0.00	4.48
	4	13	-0.59	5.91	0.00	0.00	0.00	14.26
		14	0.59	-5.91	0.00	0.00	0.00	1.05
	5	13	12.43	2.81	0.00	0.00	0.00	-12.52
		14	-12.43	-2.81	0.00	0.00	0.00	19.82
	15	13	4.56	0.92	0.00	0.00	0.00	-4.31
		14	-4.56	-0.92	0.00	0.00	0.00	6.71
	10	13	-0.03	0.34	0.00	0.00	0.00	0.81
		14	0.03	-0.34	0.00	0.00	0.00	0.06
	11	13	0.00	-0.01	0.00	0.00	0.00	0.04
		14	0.00	0.01	0.00	0.00	0.00	-0.05
	18	13	0.18	-1.35	0.00	0.00	0.00	0.21
		14	-0.18	-2.47	0.00	0.00	0.00	1.24
	19	13	-2.57	0.08	0.00	0.00	0.00	2.25
		14	2.57	1.54	0.00	0.00	0.00	-4.14
	20	13	-6.82	-2.39	0.00	0.00	0.00	1.61
		14	6.82	5.95	0.00	0.00	0.00	-12.43
	100	13	0.07	1.74	0.00	0.00	0.00	2.65
		14	-0.07	-1.13	0.00	0.00	0.00	1.06
	101	13	1.60	2.05	0.00	0.00	0.00	1.21
		14	-1.60	-1.43	0.00	0.00	0.00	3.30
	102	13	3.75	7.32	0.00	0.00	0.00	9.68
		14	-3.75	-6.71	0.00	0.00	0.00	8.50
	103	13	3.72	7.66	0.00	0.00	0.00	10.49
		14	-3.72	-7.04	0.00	0.00	0.00	8.56
	104	13	3.75	7.32	0.00	0.00	0.00	9.71
		14	-3.75	-6.70	0.00	0.00	0.00	8.45
	105	13	1.15	7.74	0.00	0.00	0.00	12.74
		14	-1.15	-5.50	0.00	0.00	0.00	4.42
	106	13	1.18	7.39	0.00	0.00	0.00	11.96
		14	-1.18	-5.16	—	—	—	4.31

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	107	13	-3.10	5.27	0.00	0.00	0.00	12.10
		14	3.10	-1.09	0.00	0.00	0.00	-3.86
	108	13	-3.06	4.92	0.00	0.00	0.00	11.32
		14	3.06	-0.75	0.00	0.00	0.00	-3.97
	111	13	2.35	2.20	0.00	0.00	0.00	0.50
		14	-2.35	-1.59	0.00	0.00	0.00	4.42
	112	13	5.69	9.06	0.00	0.00	0.00	10.65
		14	-5.69	-8.44	0.00	0.00	0.00	12.02
	113	13	5.66	9.39	0.00	0.00	0.00	11.46
		14	-5.66	-8.78	0.00	0.00	0.00	12.09
	114	13	5.69	9.05	0.00	0.00	0.00	10.68
		14	-5.69	-8.43	0.00	0.00	0.00	11.97
	115	13	3.18	8.81	0.00	0.00	0.00	13.81
		14	-3.18	-8.45	0.00	0.00	0.00	8.55
	116	13	3.22	8.47	0.00	0.00	0.00	13.03
		14	-3.22	-8.10	0.00	0.00	0.00	8.44
	117	13	-0.97	5.65	0.00	0.00	0.00	13.28
		14	0.97	-5.29	0.00	0.00	0.00	0.90
	118	13	-0.94	5.31	0.00	0.00	0.00	12.50
		14	0.94	-4.95	0.00	0.00	0.00	0.79
	121	13	3.12	2.36	0.00	0.00	0.00	-0.23
		14	-3.12	-1.74	0.00	0.00	0.00	5.55
	122	13	7.90	8.26	0.00	0.00	0.00	5.50
		14	-7.90	-7.64	0.00	0.00	0.00	15.11
	123	13	7.86	8.60	0.00	0.00	0.00	6.31
		14	-7.86	-7.98	0.00	0.00	0.00	15.17
	124	13	7.90	8.25	0.00	0.00	0.00	5.53
		14	-7.90	-7.64	0.00	0.00	0.00	15.06
	125	13	5.29	8.67	0.00	0.00	0.00	8.56
		14	-5.29	-6.44	0.00	0.00	0.00	11.03
	126	13	5.33	8.33	0.00	0.00	0.00	7.78
		14	-5.33	-6.10	0.00	0.00	0.00	10.92
	127	13	1.05	6.20	0.00	0.00	0.00	7.92
		14	-1.05	-2.03	0.00	0.00	0.00	2.75
	128	13	1.08	5.86	0.00	0.00	0.00	7.14
		14	-1.08	-1.69	0.00	0.00	0.00	2.64
	131	13	4.63	2.66	0.00	0.00	0.00	-1.66
		14	-4.63	-2.05	0.00	0.00	0.00	7.77
	132	13	11.91	10.46	0.00	0.00	0.00	4.38
		14	-11.91	-9.85	0.00	0.00	0.00	21.93
	133	13	11.87	10.80	0.00	0.00	0.00	5.20
		14	-11.87	-10.18	0.00	0.00	0.00	21.99
	134	13	5.69	9.05	0.00	0.00	0.00	10.68
		14	-5.69	-8.43	0.00	0.00	0.00	11.97
	135	13	9.40	10.22	0.00	0.00	0.00	7.55
		14	-9.40	-9.85	0.00	0.00	0.00	18.46
	136	13	9.43	9.87	0.00	0.00	0.00	6.77
		14	-9.43	-9.51	0.00	0.00	0.00	18.35
	137	13	5.24	7.06	0.00	0.00	0.00	7.02
		14	-5.24	-6.70	0.00	0.00	0.00	10.81

MEMBER END FORCES STRUCTURE TYPE = PLANE

ALL UNITS ARE -- KIP FEET

MEMB	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	138	13	5.28	6.71	0.00	0.00	0.00	6.24
		14	-5.28	-6.36	0.00	0.00	0.00	10.70

********** END OF LATEST ANALYSIS RESULT **********

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*=================================================================
LOAD LIST 100 TO 118
*=================================================================
PRINT FORCE ENV NSECTION 10 LIST 1
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MEMBER FORCE ENVELOPE

ALL UNITS ARE KIP FEET

MEMB	DISTANCE		FY	LD	MZ	LD	FZ	LD	MY	LD
1	0.00	MAX.	14.13	114	17.08	114	0.00	118	0.00	118
		MIN.	1.10	100	0.21	100	0.00	118	0.00	118
	1.30	MAX.	10.96	114	1.16	112	0.00	118	0.00	118
		MIN.	0.80	100	-5.91	108	0.00	118	0.00	118
	2.59	MAX.	7.79	114	-0.20	111	0.00	118	0.00	118
		MIN.	0.51	100	-13.09	116	0.00	118	0.00	118
	3.89	MAX.	4.62	114	-1.05	111	0.00	118	0.00	118
		MIN.	0.22	100	-20.72	116	0.00	118	0.00	118
	5.18	MAX.	1.45	114	-1.52	111	0.00	118	0.00	118
		MIN.	-0.12	107	-24.25	116	0.00	118	0.00	118
	6.48	MAX.	-0.07	111	-1.61	111	0.00	118	0.00	118
		MIN.	-2.11	115	-23.67	116	0.00	118	0.00	118
	7.77	MAX.	-0.36	111	-1.33	111	0.00	118	0.00	118
		MIN.	-5.28	115	-18.98	116	0.00	118	0.00	118
	9.07	MAX.	-0.66	111	-0.46	100	0.00	118	0.00	118
		MIN.	-8.44	115	-10.46	114	0.00	118	0.00	118
	10.37	MAX.	-0.95	111	3.56	117	0.00	118	0.00	118
		MIN.	-11.61	115	0.37	111	0.00	118	0.00	118
	11.66	MAX.	-1.24	111	20.54	115	0.00	118	0.00	118
		MIN.	-14.78	115	1.79	111	0.00	118	0.00	118
	12.96	MAX.	-1.53	111	41.75	115	0.00	118	0.00	118
		MIN.	-17.95	115	3.58	111	0.00	118	0.00	118

+ MOMENT
TOP SLAB

MAX/MIN FORCE VALUES FOR MEMB 1,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	14.13	0.00	114	41.75	12.96	115			
	0.00	0.00	100	0.00	0.00	100	5.53 C	0.00	113
MIN.	-17.95	12.96	115	-24.25	5.18	116			
	0.00	12.96	118	0.00	12.96	118	1.67 T	12.96	108

********** END OF FORCE ENVELOPE FROM INTERNAL STORAGE **********

171. PRINT FORCE ENV NSECTION 10 LIST 2

MEMBER FORCE ENVELOPE

ALL UNITS ARE KIP FEET

MEMB	DISTANCE		FY	LD	MZ	LD	FZ	LD	MY	LD
2	0.00	MAX.	17.95	115	41.75	115	0.00	118	0.00	118
		MIN.	1.53	111	3.58	111	0.00	118	0.00	118
	1.30	MAX.	14.78	115	20.54	115	0.00	118	0.00	118
		MIN.	1.24	111	1.79	111	0.00	118	0.00	118
	2.59	MAX.	11.61	115	4.11	118	0.00	118	0.00	118
		MIN.	0.95	111	0.37	111	0.00	118	0.00	118
	3.89	MAX.	8.44	115	-0.46	100	0.00	118	0.00	118
		MIN.	0.66	111	-9.82	113	0.00	118	0.00	118
	5.18	MAX.	5.28	115	-1.33	111	0.00	118	0.00	118
		MIN.	0.36	111	-18.44	115	0.00	118	0.00	118
	6.48	MAX.	2.11	115	-1.61	111	0.00	118	0.00	118
		MIN.	0.07	111	-23.23	115	0.00	118	0.00	118
	7.78	MAX.	0.22	108	-1.52	111	0.00	118	0.00	118
		MIN.	-1.38	113	-23.90	115	0.00	118	0.00	118
	9.07	MAX.	-0.22	100	-1.05	111	0.00	118	0.00	118
		MIN.	-4.54	113	-20.48	115	0.00	118	0.00	118
	10.37	MAX.	-0.51	100	-0.20	111	0.00	118	0.00	118
		MIN.	-7.71	113	-12.94	115	0.00	118	0.00	118
	11.66	MAX.	-0.80	100	1.21	114	0.00	118	0.00	118
		MIN.	-10.88	113	-5.86	107	0.00	118	0.00	118
	12.96	MAX.	-1.10	100	17.03	113	0.00	118	0.00	118
		MIN.	-14.05	113	0.21	100	0.00	118	0.00	118

MAX/MIN FORCE VALUES FOR MEMB 2,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	17.95	0.00	115	41.75	0.00	115			
	0.00	0.00	100	0.00	0.00	100	5.53 C	0.00	113
MIN.	-14.05	12.96	113	-23.90	7.78	115			
	0.00	12.96	118	0.00	12.96	118	1.70 T	12.96	108

********** END OF FORCE ENVELOPE FROM INTERNAL STORAGE **********

172. PRINT FORCE ENV NSECTION 4 LIST 6 7 8 9 10

MEMBER FORCE ENVELOPE

ALL UNITS ARE KIP FEET

MEMB	DISTANCE		FY	LD	MZ	LD	FZ	LD	MY	LD
6	0.00	MAX.	-1.09	107	3.86	107	0.00	118	0.00	118
		MIN.	-8.78	114	-12.14	114	0.00	118	0.00	118
	0.65	MAX.	-1.28	100	4.91	107	0.00	118	0.00	118
		MIN.	-8.94	114	-6.51	112	0.00	118	0.00	118
	1.30	MAX.	-1.43	100	6.63	107	0.00	118	0.00	118
		MIN.	-9.09	114	-2.16	111	0.00	118	0.00	118
	1.94	MAX.	-1.59	100	9.65	117	0.00	118	0.00	118
		MIN.	-9.25	114	-0.88	111	0.00	118	0.00	118
	2.59	MAX.	-1.74	100	13.81	115	0.00	118	0.00	118
		MIN.	-9.40	114	0.50	111	0.00	118	0.00	118

MAX/MIN FORCE VALUES FOR MEMB 6,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	-1.09	0.00	107	13.81	2.59	115			
	0.00	0.00	100	0.00	0.00	100	5.69 C	0.00	112
MIN.	-9.40	2.59	114	-12.14	0.00	114			
	0.00	2.59	118	0.00	2.59	118	3.10 T	2.59	107

7	0.00	MAX.	1.58	108	13.81	115	0.00	118	0.00	118
		MIN.	-2.93	113	0.50	111	0.00	118	0.00	118
	0.65	MAX.	0.53	108	15.53	115	0.00	118	0.00	118
		MIN.	-3.08	113	0.87	111	0.00	118	0.00	118
	1.30	MAX.	-0.40	100	17.31	115	0.00	118	0.00	118
		MIN.	-3.24	113	1.35	111	0.00	118	0.00	118
	1.94	MAX.	-0.56	100	19.16	115	0.00	118	0.00	118
		MIN.	-3.39	113	1.93	111	0.00	118	0.00	118
	2.59	MAX.	-0.71	100	21.06	115	0.00	118	0.00	118
		MIN.	-3.54	113	2.61	111	0.00	118	0.00	118

MAX/MIN FORCE VALUES FOR MEMB 7,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	1.58	0.00	108	21.06	2.59	115			
	0.00	0.00	100	0.00	0.00	100	5.69 C	0.00	112
MIN.	-3.54	2.59	113	0.50	0.00	111			
	0.00	2.59	118	0.00	2.59	118	3.10 T	2.59	107

+ MOMENT
BOT SLAB

8	0.00	MAX.	3.73	107	21.06	115	0.00	118	0.00	118
		MIN.	0.33	111	2.61	111	0.00	118	0.00	118
	0.65	MAX.	2.69	107	19.69	115	0.00	118	0.00	118
		MIN.	0.18	111	2.44	111	0.00	118	0.00	118
	1.30	MAX.	1.97	115	18.38	115	0.00	118	0.00	118
		MIN.	0.03	111	2.37	111	0.00	118	0.00	118
	1.94	MAX.	1.88	115	17.13	115	0.00	118	0.00	118
		MIN.	-0.13	111	2.41	111	0.00	118	0.00	118
	2.59	MAX.	1.79	115	15.94	115	0.00	118	0.00	118
		MIN.	-0.46	108	2.54	111	0.00	118	0.00	118

MAX/MIN FORCE VALUES FOR MEMB 8,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	3.73	0.00	107	21.06	0.00	115			
	0.00	0.00	100	0.00	0.00	100	5.69 C	0.00	112
MIN.	-0.46	2.59	108	2.37	1.30	111			
	0.00	2.59	118	0.00	2.59	118	3.10 T	2.59	107

9	0.00	MAX.	7.52	115	15.94	115	0.00	118	0.00	118
		MIN.	1.12	111	2.54	111	0.00	118	0.00	118
	0.65	MAX.	7.43	115	11.15	116	0.00	118	0.00	118
		MIN.	0.97	111	1.86	111	0.00	118	0.00	118
	1.30	MAX.	7.34	115	6.45	116	0.00	118	0.00	118
		MIN.	0.82	111	1.23	100	0.00	118	0.00	118
	1.94	MAX.	7.25	115	1.98	114	0.00	118	0.00	118
		MIN.	0.66	111	-0.28	107	0.00	118	0.00	118
	2.59	MAX.	7.16	115	0.42	111	0.00	118	0.00	118
		MIN.	0.51	111	-3.08	115	0.00	118	0.00	118

MAX/MIN FORCE VALUES FOR MEMB 9,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	7.52	0.00	115	15.94	0.00	115			
	0.00	0.00	100	0.00	0.00	100	5.69 C	0.00	112
MIN.	0.51	2.59	111	-3.08	2.59	115			
	0.00	2.59	118	0.00	2.59	118	3.10 T	2.59	107

10	0.00	MAX.	14.66	115	0.42	111	0.00	118	0.00	118
		MIN.	2.04	111	-3.08	115	0.00	118	0.00	118
	0.65	MAX.	14.57	115	-0.85	111	0.00	118	0.00	118
		MIN.	1.89	111	-12.55	115	0.00	118	0.00	118
	1.30	MAX.	14.48	115	-2.03	111	0.00	118	0.00	118
		MIN.	1.73	111	-21.97	115	0.00	118	0.00	118
	1.94	MAX.	14.39	115	-3.10	111	0.00	118	0.00	118
		MIN.	1.58	111	-31.32	115	0.00	118	0.00	118
	2.59	MAX	14.30	115	-4.07	111	—	—	—	—

```
            MIN.     1.43 111     -40.62 115      0.00 118       0.00 118


|-----------------------------------------------------------------------
| MAX/MIN FORCE VALUES FOR MEMB  10,AMONGST ALL SECT LOCATIONS
|            FY/    DIST  LD       MZ/    DIST  LD
|            FZ     DIST  LD       MY     DIST  LD        FX     DIST  LD
|
| MAX.      14.66   0.00 115       0.42   0.00 111
|            0.00   0.00 100       0.00   0.00 100      5.69 C   0.00 112
| MIN.       1.43   2.59 111     -40.62   2.59 115
|            0.00   2.59 118       0.00   2.59 118      3.10 T   2.59 107
|-----------------------------------------------------------------------


********** END OF FORCE ENVELOPE FROM INTERNAL STORAGE **********


173.      PRINT FORCE ENV NSECTION 4 LIST 11 12 13 14 15
```

MEMBER FORCE ENVELOPE

ALL UNITS ARE KIP FEET

MEMB	DISTANCE		FY	LD	MZ	LD	FZ	LD	MY	LD
11	0.00	MAX.	-1.43	111	-4.07	111	0.00	118	0.00	118
		MIN.	-14.30	115	-40.62	115	0.00	118	0.00	118
	0.65	MAX.	-1.58	111	-3.10	111	0.00	118	0.00	118
		MIN.	-14.39	115	-31.32	115	0.00	118	0.00	118
	1.30	MAX.	-1.73	111	-2.03	111	0.00	118	0.00	118
		MIN.	-14.48	115	-21.97	115	0.00	118	0.00	118
	1.94	MAX.	-1.89	111	-0.85	111	0.00	118	0.00	118
		MIN.	-14.57	115	-12.55	115	0.00	118	0.00	118
	2.59	MAX.	-2.04	111	0.42	111	0.00	118	0.00	118
		MIN.	-14.66	115	-3.17	116	0.00	118	0.00	118

MAX/MIN FORCE VALUES FOR MEMB 11,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	-1.43	0.00	111	0.42	2.59	111			
	0.00	0.00	100	0.00	0.00	100	5.69 C	0.00	112
MIN.	-14.66	2.59	115	-40.62	0.00	115			
	0.00	2.59	118	0.00	2.59	118	3.10 T	2.59	107

12	0.00	MAX.	-0.51	111	0.42	111	0.00	118	0.00	118
		MIN.	-7.16	115	-3.17	116	0.00	118	0.00	118
	0.65	MAX.	-0.66	111	1.76	113	0.00	118	0.00	118
		MIN.	-7.25	115	-0.52	108	0.00	118	0.00	118
	1.30	MAX.	-0.82	111	6.31	115	0.00	118	0.00	118
		MIN.	-7.34	115	1.23	100	0.00	118	0.00	118
	1.94	MAX.	-0.97	111	11.10	115	0.00	118	0.00	118
		MIN.	-7.43	115	1.86	111	0.00	118	0.00	118
	2.59	MAX.	-1.12	111	15.94	115	0.00	118	0.00	118
		MIN.	-7.52	115	2.54	111	0.00	118	0.00	118

MAX/MIN FORCE VALUES FOR MEMB 12,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	-0.51	0.00	111	15.94	2.59	115			
	0.00	0.00	100	0.00	0.00	100	5.69 C	0.00	112
MIN.	-7.52	2.59	115	-3.17	0.00	116			
	0.00	2.59	118	0.00	2.59	118	3.10 T	2.59	107

13	0.00	MAX.	0.54	108	15.94	115	0.00	118	0.00	118
		MIN.	-1.79	115	2.54	111	0.00	118	0.00	118
	0.65	MAX.	0.13	111	17.13	115	0.00	118	0.00	118
		MIN.	-1.88	115	2.41	111	0.00	118	0.00	118
	1.30	MAX.	-0.03	111	18.38	115	0.00	118	0.00	118
		MIN.	-1.97	115	2.37	111	0.00	118	0.00	118
	1.94	MAX.	-0.18	111	19.69	115	0.00	118	0.00	118
		MIN.	-2.69	107	2.44	111	0.00	118	0.00	118
	2.59	MAX.	-0.33	111	21.06	115	0.00	118	0.00	118
		MIN.	-3.73	107	2.61	111	0.00	118	0.00	118

MAX/MIN FORCE VALUES FOR MEMB 13,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	0.54	0.00	108	21.06	2.59	115			
	0.00	0.00	100	0.00	0.00	100	5.69 C	0.00	112
MIN.	-3.73	2.59	107	2.37	1.30	111			
	0.00	2.59	118	0.00	2.59	118	3.10 T	2.59	107

14	0.00	MAX.	3.54	113	21.06	115	0.00	118	0.00	118
		MIN.	0.71	100	2.61	111	0.00	118	0.00	118
	0.65	MAX.	3.39	113	19.16	115	0.00	118	0.00	118
		MIN.	0.56	100	1.93	111	0.00	118	0.00	118
	1.30	MAX.	3.24	113	17.31	115	0.00	118	0.00	118
		MIN.	0.40	100	1.35	111	0.00	118	0.00	118
	1.94	MAX.	3.08	113	15.53	115	0.00	118	0.00	118
		MIN.	-0.59	108	0.87	111	0.00	118	0.00	118
	2.59	MAX.	2.93	113	13.81	115	0.00	118	0.00	118
		MIN.	-1.63	108	0.50	111	0.00	118	0.00	118

MAX/MIN FORCE VALUES FOR MEMB 14,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	3.54	0.00	113	21.06	0.00	115			
	0.00	0.00	100	0.00	0.00	100	5.69 C	0.00	112
MIN.	-1.63	2.59	108	0.50	2.59	111			
	0.00	2.59	118	0.00	2.59	118	3.10 T	2.59	107

15	0.00	MAX.	9.39	113	13.81	115	0.00	118	0.00	118
		MIN.	1.74	100	0.50	111	0.00	118	0.00	118
	0.65	MAX.	9.24	113	9.65	117	0.00	118	0.00	118
		MIN.	1.59	100	-0.88	111	0.00	118	0.00	118
	1.30	MAX.	9.09	113	6.63	107	0.00	118	0.00	118
		MIN.	1.43	100	-2.16	111	0.00	118	0.00	118
	1.94	MAX.	8.93	113	4.91	107	0.00	118	0.00	118
		MIN.	1.28	100	-6.51	112	0.00	118	0.00	118

MIN.	0.75	108	-12.09	113	0.00	118	0.00	118

MAX/MIN FORCE VALUES FOR MEMB 15,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	9.39	0.00	113	13.81	0.00	115			
	0.00	0.00	100	0.00	0.00	100	5.69 C	0.00	112
MIN.	0.75	2.59	108	-12.09	2.59	113			
	0.00	2.59	118	0.00	2.59	118	3.10 T	2.59	107

********** END OF FORCE ENVELOPE FROM INTERNAL STORAGE **********

174. MSDR ENVELOPE FY MZ LIST 1

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|                                                                                                                                |
|                                                                                                                                |
|      14.0                                                                                                                      |
|L116+ 13.4                                                                                                                      |
|L112+ .                                                                                                                         |
|    | 10.6  10.9                                                                                                                |
|L106+   . + 10.4                                                                                                                |
|    | 8.92+.8.71                                                                                                                |
|L118+   . + 8.22  7.71                                                                                                          |
|    | 6.42+ 6.72+ 7.38                                                                                                          |
|L108+ 6.34+  .. + 5.79                                                                                                          |
|L107+  .  | 4.72+ 4.53  4.36                                                                                                        |
|    |     +     +  .. + 3.36                                                                                                      |
|    |     |  .  | 3.11+ 2.33                                                                                                              |
|    | 1.29|     +     + 1.50  1.35                                                                                                |
|L111+ 1.10|.804 |.512 +.221 +.930                                                                                                |
|L100+-----+-----+-----+--.--+ 710E-4     .654  .752                                                                              |
|    +=====+=====+=====+=====+=====+=====+=====+=====+=====+=====+ 1.82                                                          |
|                                .. + 2.11|     +-----+-----+-----+                                                              |
|                                   + ..  | 3.93|     |     |     |                                                              |
|                                     ... + 4.22| 4.96|     |     |                                                              |
|                                       . + 5.28+     |     |     |                                                              |
|                                         +.... | 6.36| 6.58|     |                                                              |
|                                            ... + 7.69+     | 8.12|                                                              |
|                                              . + 8.13| 8.79+ 8.19|                                                              |
|                                                + . . + 9.39+  .  | 9.81                                                              |
|                                                  . . + 10.7| 11.2+                                                              |
|                                                    . + 11.3+ 12.0|                                                              |
|                                                      +..   + ..  | 13.1                                                              |
|                                                         ... | 13.7+ 13.6                                                              |
|                                                           . + 14.5+ 14.6                                                              |
|                                                             + .   +                                                              |
|                                                               . . | 16.7                                                              |
|                                                                 . + 17.6                                                              |
|                                                                   +                                                              |
|                                                                 -                                                              |
|                                                                                                                                |
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FY S H E A R F O R C E E N V E L O P E

MEMBER 1. ALL UNITS ARE - KIP FEET

LENGTH= 13.0 MAX(ABSOLUTE)= 17.9 AT 13.0 FROM START.FOR LOAD 115.

UPPER ENVELOPE FY VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

14.13	10.96	7.79	4.62	1.45	-0.07
-0.36	-0.66	-0.95	-1.24	-1.53	

CORRESPONDING LOAD NUMBERS

114.	114.	114.	114.	114.	111.
111.	111.	111.	111.	111.	

LOWER ENVELOPE FY VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

1.10	0.80	0.51	0.22	-0.12	-2.11
-5.28	-8.44	-11.61	-14.78	-17.95	

CORRESPONDING LOAD NUMBERS

100.	100.	100.	100.	107.	115.
115.	115.	115.	115.	115.	

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|                                                                                |
|                                                                                |
|                                                                   41.7         |
|                                                                 + 40.3         |
|                                                                 + 38.1         |
|                                                                /+ 34.5         |
|                                                               ./+ 33.7         |
|                                                               //+ 31.5         |
|                                                              ///+              |
|                                                              ///|              |
|                                                             /// | 23.8        |
|                                                            ///  + 22.8        |
|                                                            .19.5+              |
|                                                           + 18.4|              |
|      16.6                                                 /+/15.4|             |
|L114+ 14.4                                                 /+ /   |             |
|L116+\12.1                                                //|/12.1|            |
|L104+\10.4                                                // +     |            |
|L106+\\\                                                 // .|     .|          |
|    | 4.92                                                /// |     | 4.91      |
|L118+ 2.64                                              /2.43| 2.74+ 4.2        |
|L111+\1.84 .355                                        +.950 + 2.10+            |
|L108+.214-+ 1.2   1.87  1.47  1.82  1.79  1.50 .464/+------+     |             |
|L100+======+======+======+======+======+======+======+======+======+             |
|        .\+\5.86|     +-----+-----+     |     | 4.94                            |
|         +.\.\ |     |     |     |     |    +/7.38                             |
|          ....\| 9.23|     |     |     | 10.3+/8.50                            |
|            ..\+ 11.6|     |     |    + 10.9+/10.5                             |
|             .\+ 12.9| 13.9|     | 13.6+ 14.0+                                 |
|               +.... + 15.2| 14.8+    + 15.0                                   |
|                 ... + 17.6+ 17.9| 17.6+ 17.4                                  |
|                  . +-19.1+-19.2+ 19.2+/19.0                                   |
|                    +  .  + 21.7+ 21.5+                                        |
|                       .  + 23.3+ 23.2                                         |
|                          +-----+                                              |
|                                                                                |
|                                                                                |
|                                                                                |
|                                                                                |
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MZ B E N D I N G M O M E N T E N V E L O P E

MEMBER 1. ALL UNITS ARE - KIP FEET

LENGTH= 13.0 MAX(ABSOLUTE)= 41.7 AT 13.0 FROM START.FOR LOAD 115.

UPPER ENVELOPE MZ VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

17.08	1.16	-0.20	-1.05	-1.52	-1.61
-1.33	-0.46	3.56	20.54	41.75	

CORRESPONDING LOAD NUMBERS

114.	112.	111.	111.	111.	111.
111.	100.	117.	115.	115.	

LOWER ENVELOPE MZ VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

0.21	-5.91	-13.09	-20.72	-24.25	-23.67
-18.98	-10.46	0.37	1.79	3.58	

CORRESPONDING LOAD NUMBERS

100.	108.	116.	116.	116.	116.
116.	114.	111.	111.	111.	

175. MSDR ENVELOPE FY MZ LIST 2

```
|                                                                                |
|                                                                                |
|      17.6                                                                      |
|L115+ 16.7                                                                      |
|L116+ .                                                                         |
|    | 14.6  14.5                                                                |
|L105+ 13.6+ 13.7                                                                |
|L106+ 13.1+ .                                                                   |
|L117+ 12.2| 12.0  11.3                                                          |
|L118+  .. + 11.2+ 10.7                                                          |
|    | 9.81+ 10.2+.9.39                                                          |
|L107+ 8.97+ 8.19+ 8.79  8.44                                                    |
|L108+     + 7.51+ 8.14+ 7.69                                                    |
|    |     +  .  + 6.58+ 6.36                                                    |
|    |     |  .  + 6.6 + ...   5.28                                              |
|    |     |     +  .  | 4.96+ 4.22                                            |
|    |     |     |     +   . + 3.93                                              |
|    |     |     |     |     + ...   2.11                                        |
|    | 1.82| 1.53| 1.24|.946 |  .. + 1.50                                        |
|L111+-----+-----+-----+.752 |.654 +.363   710E-4                                |
|    +======+======+======+======+======+======+======+======+======+ 1.10         |
|                                  . + 1.35+-1.50+-----+-----+ 1.29               |
|                                    + ..  + 3.5 | 3.11|     +                   |
|                                      . . + 3.36+ 4.11| 4.16|                   |
|                                        . + 4.36+ 4.53+ 4.72|                   |
|                                          +.... + 5.79+ 6.16| 5.62              |
|                                            ... + 7.30+ 6.72+ 6.34              |
|                                              . + 7.38+ 8.22+ 8.20              |
|                                                + . . + 8.71+ 8.92              |
|                                                  ... + 10.4+ 10.3              |
|                                                    . + 10.9+ 10.6              |
|                                                      + .   +                   |
|                                                        . . | 13.4             |
|                                                          . + 14.0              |
|                                                            +                   |
|                                                                                |
|                                                                                |
|                                                      -                         |
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FY S H E A R F O R C E E N V E L O P E

MEMBER 2. ALL UNITS ARE - KIP FEET

LENGTH= 13.0 MAX(ABSOLUTE)= 17.9 AT 0.0 FROM START.FOR LOAD 115.

UPPER ENVELOPE FY VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

17.95	14.78	11.61	8.44	5.28	2.11
0.22	-0.22	-0.51	-0.80	-1.10	

CORRESPONDING LOAD NUMBERS

115.	115.	115.	115.	115.	115.
108.	100.	100.	100.	100.	

LOWER ENVELOPE FY VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

1.53	1.24	0.95	0.66	0.36	0.07
-1.38	-4.54	-7.71	-10.88	-14.05	

CORRESPONDING LOAD NUMBERS

111.	111.	111.	111.	111.	111.
113.	113.	113.	113.	113.	

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 _________________________________________________________________________
|                                                                         |
|                                                                         |
|     41.7                                                                |
|L115+ 40.3                                                               |
|L116+ 38.1                                                               |
|L112+.34.5                                                               |
|L105+.33.7                                                               |
|L106+\31.5                                                               |
|L118+\\.                                                                 |
|    |\\.                                                                 |
|    | 23.8                                                               |
|L107+ 22.6                                                               |
|L108+\  \.  20.5                                                         |
|    |\\ \\+ 18.4                                                         |
|    | \\ \+\15.4                                                  16.6   |
|    |   \ +\                                                    + 14.4   |
|    |    \|\12.1                                           /+ 12.1       |
|    |     + \\                                             //+ 10.4      |
|    |     |\ \\                                            //+           |
|    | 4.91| \.\                                          ///| 4.92       |
|L100+ 4.2 | 2.74  2.63                                  /// + 2.64       |
|L111+     + 2.10+.950                                  /1.3/+ 1.84       |
|    |     +-----+.371  .464   1.50  1.61  1.52  1.47 .749 +/1.2.+.214   |
|    +=====+=====+=====+=====+=====+=====+=====+=====+=====+=====+        |
|                \.\ | 4.94|     +-----+-----+-----+    /.+/5.86         |
|                 .\+ 7.38|     |     |     |     |  ./.+                |
|                  \+ 9.34| 8.83|     |     |     | 9.23                 |
|                   +.. . + 10.3| 12.0|     |    +/11.6                  |
|                     . .. + 14.0+ 13.6| 13.2| 13.9+/12.9                 |
|                       .. + 15.0+ 15.6+-14.8+ 15.2+                      |
|                        . + 17.4+ 17.6+ 17.9+ 17.6                        |
|                          +  .  +-18.8+-19.2+ 19.1                        |
|                             ..  + 21.5+ 21.7+                            |
|                               . +-23.2+ 22.9                             |
|                                 +-----+                                  |
|                                                                         |
|                                                                         |
|_________________________________________________________________________|
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MZ B E N D I N G M O M E N T E N V E L O P E

MEMBER 2. ALL UNITS ARE - KIP FEET

LENGTH= 13.0 MAX(ABSOLUTE)= 41.7 AT 0.0 FROM START.FOR LOAD 115.

UPPER ENVELOPE MZ VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

41.75	20.54	4.11	-0.46	-1.33	-1.61
-1.52	-1.05	-0.20	1.21	17.03	

CORRESPONDING LOAD NUMBERS

115.	115.	118.	100.	111.	111.
111.	111.	111.	114.	113.	

LOWER ENVELOPE MZ VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

3.58	1.79	0.37	-9.82	-18.44	-23.23
-23.90	-20.48	-12.94	-5.86	0.21	

CORRESPONDING LOAD NUMBERS

111.	111.	111.	113.	115.	115.
115.	115.	115.	107.	100.	

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*=================================================================
LOAD LIST 121 TO 138
*=================================================================
PRINT FORCE ENV NSECTION 10 LIST 1
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MEMBER FORCE ENVELOPE

ALL UNITS ARE KIP FEET

MEMB	DISTANCE		FY	LD	MZ	LD	FZ	LD	MY	LD
1	0.00	MAX.	15.04	133	25.49	133	0.00	138	0.00	138
		MIN.	1.48	121	3.46	121	0.00	138	0.00	138
IL	1.30	MAX.	11.87	133	8.34	132	0.00	138	0.00	138
		MIN.	1.19	121	-1.12	128	0.00	138	0.00	138
	2.59	MAX.	8.70	133	1.47	131	0.00	138	0.00	138
		MIN.	0.90	121	-11.32	134	0.00	138	0.00	138
	3.89	MAX.	5.53	133	0.25	131	0.00	138	0.00	138
		MIN.	0.61	121	-19.36	134	0.00	138	0.00	138
	5.18	MAX.	2.36	133	-0.60	131	0.00	138	0.00	138
		MIN.	0.32	121	-23.29	134	0.00	138	0.00	138
	6.48	MAX.	0.22	131	-1.07	131	0.00	138	0.00	138
		MIN.	-1.72	134	-23.12	134	0.00	138	0.00	138
	7.77	MAX.	-0.08	131	-1.16	131	0.00	138	0.00	138
		MIN.	-4.88	134	-18.85	134	0.00	138	0.00	138
	9.07	MAX.	-0.37	131	-0.74	121	0.00	138	0.00	138
		MIN.	-8.05	134	-10.69	136	0.00	138	0.00	138
	10.37	MAX.	-0.66	131	2.02	134	0.00	138	0.00	138
		MIN.	-11.22	134	-0.21	131	0.00	138	0.00	138
	11.66	MAX.	-0.95	131	18.62	134	0.00	138	0.00	138
		MIN.	-14.39	134	0.83	131	0.00	138	0.00	138
	12.96	MAX.	-1.24	131	39.32	134	0.00	138	0.00	138
		MIN.	-17.56	134	2.25	131	0.00	138	0.00	138

-M @ EXT WALL IN TOP SLAB

-M @ MID WALL IN TOP SLAB

MAX/MIN FORCE VALUES FOR MEMB 1,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	15.04	0.00	133	39.32	12.96	134			
	0.00	0.00	121	0.00	0.00	121	10.50 C	0.00	133
MIN.	-17.56	12.96	134	-23.29	5.18	134			
	0.00	12.96	138	0.00	12.96	138	1.43 C	12.96	121

********** END OF FORCE ENVELOPE FROM INTERNAL STORAGE **********

180. PRINT FORCE ENV NSECTION 10 LIST 2

MEMBER FORCE ENVELOPE

ALL UNITS ARE KIP FEET

MEMB	DISTANCE		FY	LD	MZ	LD	FZ	LD	MY	LD
2	0.00	MAX.	16.96	135	39.04	134	0.00	138	0.00	138
		MIN.	1.24	131	2.25	131	0.00	138	0.00	138
	1.30	MAX.	13.79	135	19.22	134	0.00	138	0.00	138
		MIN.	0.95	131	0.83	131	0.00	138	0.00	138
	2.59	MAX.	10.78	134	3.31	134	0.00	138	0.00	138
		MIN.	0.66	131	-0.21	131	0.00	138	0.00	138
	3.89	MAX.	7.76	134	-0.74	121	0.00	138	0.00	138
		MIN.	0.37	131	-10.33	133	0.00	138	0.00	138
	5.18	MAX.	4.75	134	-1.16	131	0.00	138	0.00	138
		MIN.	0.08	131	-17.66	135	0.00	138	0.00	138
	6.48	MAX.	1.74	134	-1.07	131	0.00	138	0.00	138
		MIN.	-0.22	131	-21.17	135	0.00	138	0.00	138
	7.78	MAX.	-0.32	121	-0.60	131	0.00	138	0.00	138
		MIN.	-2.36	133	-21.31	134	0.00	138	0.00	138
	9.07	MAX.	-0.61	121	0.25	131	0.00	138	0.00	138
		MIN.	-5.53	133	-17.71	134	0.00	138	0.00	138
	10.37	MAX.	-0.90	121	1.47	131	0.00	138	0.00	138
		MIN.	-8.70	133	-10.20	134	0.00	138	0.00	138
	11.66	MAX.	-1.19	121	8.34	132	0.00	138	0.00	138
		MIN.	-11.87	133	-1.07	127	0.00	138	0.00	138
	12.96	MAX.	-1.48	121	25.49	133	0.00	138	0.00	138
		MIN.	-15.04	133	3.46	121	0.00	138	0.00	138

MAX/MIN FORCE VALUES FOR MEMB 2,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	-FX	DIST	LD
MAX.	16.96	0.00	135	39.04	0.00	134			
	0.00	0.00	121	0.00	0.00	121	10.50 C	0.00	133
MIN.	-15.04	12.96	133	-21.31	7.78	134			
	0.00	12.96	138	0.00	12.96	138	1.43 C	12.96	121

********** END OF FORCE ENVELOPE FROM INTERNAL STORAGE **********

181. PRINT FORCE ENV NSECTION 10 LIST 3

MEMBER FORCE ENVELOPE

ALL UNITS ARE KIP FEET

MEMB	DISTANCE		FY	LD	MZ	LD	FZ	LD	MY	LD
3	0.00	MAX.	-1.43	121	-3.46	121	0.00	138	0.00	138
		MIN.	-10.50	133	-25.49	133	0.00	138	0.00	138
	1.15	MAX.	-1.38	121	-1.84	121	0.00	138	0.00	138
		MIN.	-8.86	133	-14.32	133	0.00	138	0.00	138
	2.31	MAX.	-1.19	128	-0.24	131	0.00	138	0.00	138
		MIN.	-7.22	133	-6.21	134	0.00	138	0.00	138
	3.46	MAX.	-0.82	121	2.08	132	0.00	138	0.00	138
		MIN.	-4.91	133	-2.53	128	0.00	138	0.00	138
	4.62	MAX.	-0.68	128	6.77	132	0.00	138	0.00	138
		MIN.	-3.28	133	-1.61	128	0.00	138	0.00	138
	5.77	MAX.	-0.45	128	9.57	132	0.00	138	0.00	138
		MIN.	-1.64	133	-0.96	128	0.00	138	0.00	138
	6.93	MAX.	2.04	132	8.59	132	0.00	138	0.00	138
		MIN.	-0.09	127	-0.69	128	0.00	138	0.00	138
	8.08	MAX.	3.68	132	5.29	132	0.00	138	0.00	138
		MIN.	0.14	127	-0.72	128	0.00	138	0.00	138
	9.23	MAX.	5.31	132	1.05	131	0.00	138	0.00	138
		MIN.	0.37	127	-1.79	134	0.00	138	0.00	138
	10.39	MAX.	10.29	132	-1.67	127	0.00	138	0.00	138
		MIN.	0.82	127	-9.21	133	0.00	138	0.00	138
	11.54	MAX.	11.93	132	-2.75	127	0.00	138	0.00	138
		MIN.	1.05	127	-21.99	133	0.00	138	0.00	138

-M Side Wall @TOP SLAB

+M Side Wall

-M Side Wall @ Bot SLAB

MAX/MIN FORCE VALUES FOR MEMB 3,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	11.93	11.54	132	9.57	5.77	132			
	0.00	0.00	121	0.00	0.00	121	16.91 C	11.54	133
MIN.	-10.50	0.00	133	-25.49	0.00	133			
	0.00	11.54	138	0.00	11.54	138	1.48 C	0.00	121

********** END OF FORCE ENVELOPE FROM INTERNAL STORAGE **********

182. PRINT FORCE ENV NSECTION 10 LIST 4

MEMBER FORCE ENVELOPE

ALL UNITS ARE KIP FEET

MEMB	DISTANCE		FY	LD	MZ	LD	FZ	LD	MY	LD
4	0.00	MAX.	0.03	128	0.28	128	0.00	138	0.00	138
		MIN.	0.00	135	0.00	135	0.00	138	0.00	138
	1.15	MAX.	0.03	128	0.24	128	0.00	138	0.00	138
		MIN.	0.00	135	0.00	135	0.00	138	0.00	138
	2.31	MAX.	0.03	128	0.20	128	0.00	138	0.00	138
		MIN.	0.00	135	0.00	135	0.00	138	0.00	138
	3.46	MAX.	0.03	128	0.16	128	0.00	138	0.00	138
		MIN.	0.00	135	0.00	135	0.00	138	0.00	138
	4.62	MAX.	0.03	128	0.12	128	0.00	138	0.00	138
		MIN.	0.00	135	0.00	135	0.00	138	0.00	138
	5.77	MAX.	0.03	128	0.09	128	0.00	138	0.00	138
		MIN.	0.00	135	0.00	135	0.00	138	0.00	138
	6.93	MAX.	0.03	128	0.05	138	0.00	138	0.00	138
		MIN.	0.00	135	0.00	125	0.00	138	0.00	138
	8.08	MAX.	0.03	128	0.01	136	0.00	138	0.00	138
		MIN.	0.00	135	0.00	127	0.00	138	0.00	138
	9.23	MAX.	0.03	128	0.00	135	0.00	138	0.00	138
		MIN.	0.00	135	-0.03	128	0.00	138	0.00	138
	10.39	MAX.	0.03	128	0.00	135	0.00	138	0.00	138
		MIN.	0.00	135	-0.07	128	0.00	138	0.00	138
	11.54	MAX.	0.03	128	0.00	135	0.00	138	0.00	138
		MIN.	0.00	135	-0.11	128	0.00	138	0.00	138

MAX/MIN FORCE VALUES FOR MEMB 4,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	0.03	0.00	128	0.28	0.00	128			
	0.00	0.00	121	0.00	0.00	121	35.80 C	11.54	134
MIN.	0.00	11.54	135	-0.11	11.54	128			
	0.00	11.54	138	0.00	11.54	138	2.48 C	0.00	131

********** END OF FORCE ENVELOPE FROM INTERNAL STORAGE **********

183. PRINT FORCE ENV NSECTION 10 LIST 5

MEMBER FORCE ENVELOPE

ALL UNITS ARE KIP FEET

MEMB	DISTANCE		FY	LD	MZ	LD	FZ	LD	MY	LD
5	0.00	MAX.	10.50	133	25.49	133	0.00	138	0.00	138
		MIN.	1.43	121	3.46	121	0.00	138	0.00	138
	1.15	MAX.	8.86	133	14.32	133	0.00	138	0.00	138
		MIN.	1.38	121	1.84	121	0.00	138	0.00	138
	2.31	MAX.	7.22	133	5.74	134	0.00	138	0.00	138
		MIN.	1.15	128	0.24	131	0.00	138	0.00	138
	3.46	MAX.	4.91	133	2.48	127	0.00	138	0.00	138
		MIN.	0.82	121	-2.08	132	0.00	138	0.00	138
	4.62	MAX.	3.28	133	1.56	127	0.00	138	0.00	138
		MIN.	0.65	128	-6.77	132	0.00	138	0.00	138
	5.77	MAX.	1.64	133	0.91	127	0.00	138	0.00	138
		MIN.	0.42	128	-9.57	132	0.00	138	0.00	138
	6.93	MAX.	0.09	127	0.64	127	0.00	138	0.00	138
		MIN.	-2.04	132	-8.59	132	0.00	138	0.00	138
	8.08	MAX.	-0.14	127	0.67	127	0.00	138	0.00	138
		MIN.	-3.68	132	-5.29	132	0.00	138	0.00	138
	9.23	MAX.	-0.37	127	1.56	134	0.00	138	0.00	138
		MIN.	-5.31	132	-1.05	131	0.00	138	0.00	138
	10.39	MAX.	-0.82	127	9.21	133	0.00	138	0.00	138
		MIN.	-10.29	132	1.52	128	0.00	138	0.00	138
	11.54	MAX.	-1.05	127	21.99	133	0.00	138	0.00	138
		MIN.	-11.93	132	2.64	128	0.00	138	0.00	138

MAX/MIN FORCE VALUES FOR MEMB 5,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	10.50	0.00	133	25.49	0.00	133			
	0.00	0.00	121	0.00	0.00	121	16.91 C	11.54	133
MIN.	-11.93	11.54	132	-9.57	5.77	132			
	0.00	11.54	138	0.00	11.54	138	1.48 C	0.00	121

********** END OF FORCE ENVELOPE FROM INTERNAL STORAGE **********

184. PRINT FORCE ENV NSECTION 4 LIST 6 TO 10

MEMBER FORCE ENVELOPE

ALL UNITS ARE KIP FEET

MEMB	DISTANCE		FY	LD	MZ	LD	FZ	LD	MY	LD
6	0.00	MAX.	-1.74	121	-2.75	127	0.00	138	0.00	138
		MIN.	-10.18	133	-21.99	133	0.00	138	0.00	138
	0.65	MAX.	-1.90	121	-1.09	127	0.00	138	0.00	138
		MIN.	-10.34	133	-15.50	132	0.00	138	0.00	138
1L	1.30	MAX.	-2.05	121	1.23	127	0.00	138	0.00	138
		MIN.	-10.49	133	-8.97	132	0.00	138	0.00	138
	1.94	MAX.	-2.20	121	5.39	134	0.00	138	0.00	138
		MIN.	-10.65	133	-3.34	131	0.00	138	0.00	138
2L	2.59	MAX.	-2.36	121	11.43	134	0.00	138	0.00	138
		MIN.	-10.80	133	-1.66	131	0.00	138	0.00	138

-M Bot Slab @ EXT WALL

MAX/MIN FORCE VALUES FOR MEMB 6,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	-1.74	0.00	121	11.43	2.59	134			
	0.00	0.00	121	0.00	0.00	121	11.91 C	0.00	132
MIN.	-10.80	2.59	133	-21.99	0.00	133			
	0.00	2.59	138	0.00	2.59	138	1.05 C	2.59	127

7	0.00	MAX.	0.77	128	11.43	134	0.00	138	0.00	138
		MIN.	-4.15	133	-1.66	131	0.00	138	0.00	138
	0.65	MAX.	-0.28	128	13.36	134	0.00	138	0.00	138
		MIN.	-4.30	133	-1.02	131	0.00	138	0.00	138
	1.30	MAX.	-0.95	121	15.40	134	0.00	138	0.00	138
		MIN.	-4.45	133	-0.27	131	0.00	138	0.00	138
	1.94	MAX.	-1.11	121	17.53	134	0.00	138	0.00	138
		MIN.	-4.61	133	0.58	131	0.00	138	0.00	138
	2.59	MAX.	-1.26	121	19.77	134	0.00	138	0.00	138
		MIN.	-4.76	133	1.52	131	0.00	138	0.00	138

MAX/MIN FORCE VALUES FOR MEMB 7,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	0.77	0.00	128	19.77	2.59	134			
	0.00	0.00	121	0.00	0.00	121	11.91 C	0.00	132
MIN.	-4.76	2.59	133	-1.66	0.00	131			
	0.00	2.59	138	0.00	2.59	138	1.05 C	2.59	127

8	0.00	MAX.	3.12	127	19.77	134	0.00	138	0.00	138
		MIN.	0.02	131	1.52	131	0.00	138	0.00	138
	0.65	MAX.	2.08	127	18.58	134	0.00	138	0.00	138
		MIN.	-0.13	131	1.56	131	0.00	138	0.00	138
	1.30	MAX.	1.61	134	17.49	134	0.00	138	0.00	138
		MIN.	-0.28	131	1.69	131	0.00	138	0.00	138
	1.94	MAX.	1.46	134	16.49	134	0.00	138	0.00	138
		MIN.	-0.44	131	1.93	131	0.00	138	0.00	138
	2.59	MAX.	1.30	134	15.60	134	0.00	138	0.00	138
		MIN.	-1.07	128	2.26	131	0.00	138	0.00	138

MAX/MIN FORCE VALUES FOR MEMB 8,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	3.12	0.00	127	19.77	0.00	134			
	0.00	0.00	121	0.00	0.00	121	11.91 C	0.00	132
MIN.	-1.07	2.59	128	1.52	0.00	131			
	0.00	2.59	138	0.00	2.59	138	1.05 C	2.59	127

9	0.00	MAX.	7.24	134	15.60	134	0.00	138	0.00	138
		MIN.	0.87	131	2.26	131	0.00	138	0.00	138
	0.65	MAX.	7.08	134	10.96	134	0.00	138	0.00	138
		MIN.	0.72	131	1.75	131	0.00	138	0.00	138
	1.30	MAX.	6.93	134	6.72	136	0.00	138	0.00	138
		MIN.	0.56	131	1.30	121	0.00	138	0.00	138
	1.94	MAX.	6.78	134	2.58	136	0.00	138	0.00	138
		MIN.	0.41	131	0.24	127	0.00	138	0.00	138
	2.59	MAX.	6.62	134	0.80	131	0.00	138	0.00	138
		MIN.	0.26	131	-2.36	134	0.00	138	0.00	138

MAX/MIN FORCE VALUES FOR MEMB 9,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	7.24	0.00	134	15.60	0.00	134			
	0.00	0.00	121	0.00	0.00	121	11.91 C	0.00	132
MIN.	0.26	2.59	131	-2.36	2.59	134			
	0.00	2.59	138	0.00	2.59	138	1.05 C	2.59	127

10	0.00	MAX.	14.20	134	0.80	131	0.00	138	0.00	138
		MIN.	1.78	131	-2.36	134	0.00	138	0.00	138
	0.65	MAX.	14.05	134	-0.30	131	0.00	138	0.00	138
		MIN.	1.62	131	-11.51	134	0.00	138	0.00	138
	1.30	MAX.	13.89	134	-1.30	131	0.00	138	0.00	138
		MIN.	1.47	131	-20.56	134	0.00	138	0.00	138
	1.94	MAX.	13.74	134	-2.20	131	0.00	138	0.00	138
		MIN.	1.32	131	-29.51	134	0.00	138	0.00	138
	2.59	MAX.	13.59	134	-3.01	131				

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          MIN.     1.16 131     -38.37 134      0.00 138       0.00 138


|-----------------------------------------------------------------------
| MAX/MIN FORCE VALUES FOR MEMB  10,AMONGST ALL SECT LOCATIONS
|            FY/    DIST  LD       MZ/    DIST  LD
|            FZ     DIST  LD       MY     DIST  LD        FX     DIST  LD
|
| MAX.      14.20   0.00 134       0.80   0.00 131
|            0.00   0.00 121       0.00   0.00 121     11.91 C   0.00 132
| MIN.       1.16   2.59 131     -38.37   2.59 134
|            0.00   2.59 138       0.00   2.59 138      1.05 C   2.59 127
|-----------------------------------------------------------------------


********** END OF FORCE ENVELOPE FROM INTERNAL STORAGE **********


185.      PRINT FORCE ENV NSECTION 4 LIST 11 TO 15
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MEMBER FORCE ENVELOPE

ALL UNITS ARE KIP FEET

MEMB	DISTANCE		FY	LD	MZ	LD	FZ	LD	MY	LD
11	0.00	MAX.	-1.16	131	-3.01	131	0.00	138	0.00	138
		MIN.	-13.47	134	-38.47	134	0.00	138	0.00	138
	0.65	MAX.	-1.32	131	-2.20	131	0.00	138	0.00	138
		MIN.	-13.63	134	-29.69	134	0.00	138	0.00	138
.1L	1.30	MAX.	-1.47	131	-1.30	131	0.00	138	0.00	138
		MIN.	-13.78	134	-20.81	134	0.00	138	0.00	138
	1.94	MAX.	-1.62	131	-0.30	131	0.00	138	0.00	138
		MIN.	-13.94	134	-11.83	134	0.00	138	0.00	138
.2L	2.59	MAX.	-1.78	131	0.80	131	0.00	138	0.00	138
		MIN.	-14.09	134	-2.76	134	0.00	138	0.00	138

-M @ ℄ WALL FOR BOT SLAB

MAX/MIN FORCE VALUES FOR MEMB 11,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	-1.16	0.00	131	0.80	2.59	131			
	0.00	0.00	121	0.00	0.00	121	11.91 C	0.00	132
MIN.	-14.09	2.59	134	-38.47	0.00	134			
	0.00	2.59	138	0.00	2.59	138	1.05 C	2.59	127

12	0.00	MAX.	-0.26	131	0.80	131	0.00	138	0.00	138
		MIN.	-6.51	134	-2.76	134	0.00	138	0.00	138
	0.65	MAX.	-0.41	131	2.53	133	0.00	138	0.00	138
		MIN.	-6.66	134	-0.01	128	0.00	138	0.00	138
	1.30	MAX.	-0.56	131	6.58	135	0.00	138	0.00	138
		MIN.	-6.82	134	1.30	121	0.00	138	0.00	138
	1.94	MAX.	-0.72	131	10.86	135	0.00	138	0.00	138
		MIN.	-6.97	134	1.75	131	0.00	138	0.00	138
	2.59	MAX.	-0.87	131	15.20	135	0.00	138	0.00	138
		MIN.	-7.13	134	2.26	131	0.00	138	0.00	138

MAX/MIN FORCE VALUES FOR MEMB 12,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	-0.26	0.00	131	15.20	2.59	135			
	0.00	0.00	121	0.00	0.00	121	11.91 C	0.00	132
MIN.	-7.13	2.59	134	-2.76	0.00	134			
	0.00	2.59	138	0.00	2.59	138	1.05 C	2.59	127

13	0.00	MAX.	1.15	128	15.20	135	0.00	138	0.00	138
		MIN.	-1.23	134	2.26	131	0.00	138	0.00	138
	0.65	MAX.	0.44	131	15.80	135	0.00	138	0.00	138
		MIN.	-1.38	134	1.93	131	0.00	138	0.00	138
	1.30	MAX.	0.28	131	16.70	134	0.00	138	0.00	138
		MIN.	-1.53	134	1.69	131	0.00	138	0.00	138
	1.94	MAX.	0.13	131	17.75	134	0.00	138	0.00	138
		MIN.	-2.08	127	1.56	131	0.00	138	0.00	138
	2.59	MAX.	-0.02	131	18.89	134	0.00	138	0.00	138
		MIN.	-3.12	127	1.52	131	0.00	138	0.00	138

MAX/MIN FORCE VALUES FOR MEMB 13,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	1.15	0.00	128	18.89	2.59	134			
	0.00	0.00	121	0.00	0.00	121	11.91 C	0.00	132
MIN.	-3.12	2.59	127	1.52	2.59	131			
	0.00	2.59	138	0.00	2.59	138	1.05 C	2.59	127

14	0.00	MAX.	4.76	133	18.89	134	0.00	138	0.00	138
		MIN.	1.26	121	1.52	131	0.00	138	0.00	138
	0.65	MAX.	4.61	133	16.69	134	0.00	138	0.00	138
		MIN.	1.11	121	0.58	131	0.00	138	0.00	138
	1.30	MAX.	4.45	133	14.59	134	0.00	138	0.00	138
		MIN.	0.95	121	-0.27	131	0.00	138	0.00	138
	1.94	MAX.	4.30	133	12.58	134	0.00	138	0.00	138
		MIN.	0.22	128	-1.02	131	0.00	138	0.00	138
	2.59	MAX.	4.15	133	10.68	134	0.00	138	0.00	138
		MIN.	-0.82	128	-1.66	131	0.00	138	0.00	138

MAX/MIN FORCE VALUES FOR MEMB 14,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	4.76	0.00	133	18.89	0.00	134			
	0.00	0.00	121	0.00	0.00	121	11.91 C	0.00	132
MIN.	-0.82	2.59	128	-1.66	2.59	131			
	0.00	2.59	138	0.00	2.59	138	1.05 C	2.59	127

15	0.00	MAX.	10.80	133	10.68	134	0.00	138	0.00	138
		MIN.	2.36	121	-1.66	131	0.00	138	0.00	138
	0.65	MAX.	10.65	133	4.87	134	0.00	138	0.00	138
		MIN.	2.20	121	-3.34	131	0.00	138	0.00	138
	1.30	MAX.	10.49	133	1.24	127	0.00	138	0.00	138
		MIN.	2.05	121	-8.97	132	0.00	138	0.00	138
	1.94	MAX.	10.34	133	-1.09	127	0.00	138	0.00	138
		MIN.	1.90	121	-15.50	132	0.00	138	0.00	138
	2.59	MAX	10.18	133	-2.64	128	—	—	—	—

MIN.	1.69	128	-21.99	133	0.00	138	0.00	138

MAX/MIN FORCE VALUES FOR MEMB 15,AMONGST ALL SECT LOCATIONS

	FY/ FZ	DIST	LD	MZ/ MY	DIST	LD	FX	DIST	LD
MAX.	10.80	0.00	133	10.68	0.00	134			
	0.00	0.00	121	0.00	0.00	121	11.91 C	0.00	132
MIN.	1.69	2.59	128	-21.99	2.59	133			
	0.00	2.59	138	0.00	2.59	138	1.05 C	2.59	127

********** END OF FORCE ENVELOPE FROM INTERNAL STORAGE **********

186. MSDR ENVELOPE FY MZ LIST 1

```
 ______________________________________________________________________________
|                                                                              |
|                                                                              |
|      15.0                                                                    |
|L136+ 14.4                                                                    |
|L134+ .                                                                       |
|     | 12.0  11.4                                                             |
|L126+ 11.3+ 11.0                                                              |
|L122+ 9.91+ 9.37                                                              |
|L138+  .. + 8.88  8.37                                                        |
|     |  .  + 7.71+ 7.79                                                       |
|     | 7.0 +  .. + 6.45                                                       |
|L128+      | 5.38+ 5.51  5.35                                                 |
|     |      +     + ... + 4.2                                                 |
|     |      |  .  | 3.77+ 3.97                                                |
|     |      |     +     + 2.16  2.34                                          |
|     | 1.48| 1.19|.900 +  .. + 1.59                                          |
|L131+-----+-----+      |.608 +.317   251E-4                                  |
|    +=====+=====+=====+=====+=====+ 1.0=+=====+=====+=====+=====+ 1.24        |
|                                 . + 1.72+-----+-----+-----+-----+ 1.43        |
|                                   + ..  | 3.27|     |     |     +             |
|                                     . . + 3.56| 4.30|     |     |             |
|                                       . + 4.88+ 5.40|     |     |             |
|                                         + ... + 5.70| 5.92|     |             |
|                                           . . + 6.70+     | 7.53|             |
|                                             . + 8.5 | 8.13+     |             |
|                                               + . . + 8.73|  .  | 9.15        |
|                                                 . . + 9.71| 10.6+             |
|                                                   . + 11.2+ 11.3|             |
|                                                     + ..  + 12.7| 12.1        |
|                                                       . . + 13.5+ 13.0        |
|                                                         . + 14.4+ 13.9        |
|                                                           + . . + 15.7        |
|                                                             . . + 16.6        |
|                                                               . + 17.6        |
|                                                                 +             |
|                                                                              |
|                                                                              |
|______________________________________________________________________________|
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FY S H E A R F O R C E E N V E L O P E

MEMBER 1. ALL UNITS ARE - KIP FEET

LENGTH= 13.0 MAX(ABSOLUTE)= 17.6 AT 13.0 FROM START.FOR LOAD 134.

UPPER ENVELOPE FY VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

15.04	11.87	8.70	5.53	2.36	0.22
-0.08	-0.37	-0.66	-0.95	-1.24	

CORRESPONDING LOAD NUMBERS

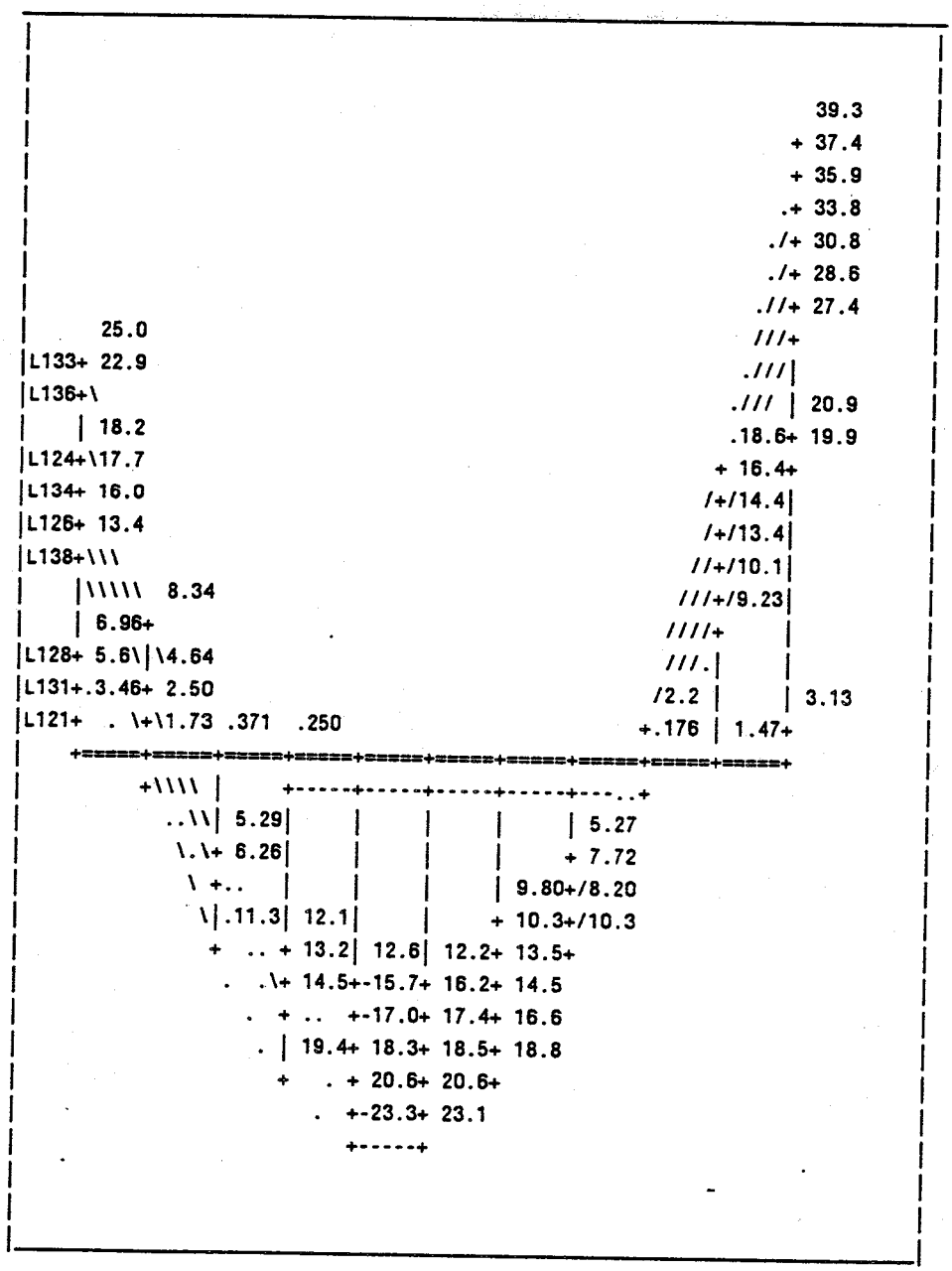
133.	133.	133.	133.	133.	131.
131.	131.	131.	131.	131.	

LOWER ENVELOPE FY VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

1.48	1.19	0.90	0.61	0.32	-1.72
-4.88	-8.05	-11.22	-14.39	-17.56	

CORRESPONDING LOAD NUMBERS

121.	121.	121.	121.	121.	134.
134.	134.	134.	134.	134.	



MZ B E N D I N G M O M E N T E N V E L O P E

MEMBER 1. ALL UNITS ARE - KIP FEET

LENGTH= 13.0 MAX(ABSOLUTE)= 39.3 AT 13.0 FROM START.FOR LOAD 134.

UPPER ENVELOPE MZ VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

25.49	8.34	1.47	0.25	-0.60	-1.07
-1.16	-0.74	2.02	18.62	39.32	

CORRESPONDING LOAD NUMBERS

133.	132.	131.	131.	131.	131.
131.	121.	134.	134.	134.	

LOWER ENVELOPE MZ VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

3.46	-1.12	-11.32	-19.36	-23.29	-23.12
-18.85	-10.69	-0.21	0.83	2.25	

CORRESPONDING LOAD NUMBERS

121.	128.	134.	134.	134.	134.
134.	136.	131.	131.	131.	

187. MSDR ENVELOPE FY MZ LIST 2

```
|                                                                                |
|                                                                                |
|      16.6                                                                      |
|L135+ 15.7                                                                      |
|L136+ .                                                                         |
|    | 13.9  13.5                                                                |
|L125+ 13.0+ 12.7                                                                |
|L126+ 12.1+ 11.3                                                                |
|L137+ 11.2+ 10.6  10.3                                                          |
|L138+  .  + 9.87+ 9.71                                                          |
|    | 9.15+ 9.19+.8.73                                                          |
|L128+     + 7.53+ 8.13  7.76                                                    |
|    |  .  + 6.86+ 7.15+ 6.14                                                    |
|    |     +  .  + 5.92+ 5.70                                                    |
|    |     |     +     + 4.30  4.75                                              |
|    |     |     |  .  + 3.94+ 3.27                                              |
|    |     |     |     +  .  + 2.69                                              |
|    | 1.43| 1.14|     |     + ...  .971                                       |
|L131+-----+.950 |.850 |.558 |.266 + 251E-4                                      |
|    +=====+=====+=====+=====+=====+=====+ 1.2=+=====+=====+=====+                |
|                                  +--..-+-1.59+-1.90+     | 1.19| 1.48          |
|                                      . + 2.34+ 2.16|     +-----+               |
|                                       + ..  + 4.2 | 3.77|     |               |
|                                         . . + 4.29+ 5.10| 4.82|               |
|                                          . + 5.35+ 6.14+ 5.38|               |
|                                           +.. . + 6.45+ 7.15| 7.0             |
|                                             ... + 7.30+ 7.71+                |
|                                               . + 8.37+ 8.88| 9.19            |
|                                                + ... + 9.37+ 9.91             |
|                                                  ... + 11.4+ 11.3             |
|                                                   . + 11.9+ 12.0              |
|                                                    + . . + 13.3               |
|                                                      . . + 14.4               |
|                                                       . + 15.0                |
|                                                        +                      |
|                                                       -                        |
|                                                                                |
```

FY S H E A R F O R C E E N V E L O P E

MEMBER 2. ALL UNITS ARE - KIP FEET

LENGTH= 13.0 MAX(ABSOLUTE)= 17.0 AT 0.0 FROM START.FOR LOAD 135.

UPPER ENVELOPE FY VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

16.96	13.79	10.78	7.76	4.75	1.74
-0.32	-0.61	-0.90	-1.19	-1.48	

CORRESPONDING LOAD NUMBERS

135.	135.	134.	134.	134.	134.
121.	121.	121.	121.	121.	

LOWER ENVELOPE FY VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

1.24	0.95	0.66	0.37	0.08	-0.22
-2.36	-5.53	-8.70	-11.87	-15.04	

CORRESPONDING LOAD NUMBERS

131.	131.	131.	131.	131.	131.
133.	133.	133.	133.	133.	

```
|                                                                                |
|                                                                                |
|      39.0                                                                      |
|L134+ 37.4                                                                      |
|L136+ 35.9                                                                      |
|L133+.33.8                                                                      |
|L132+.30.8                                                                      |
|L126+.28.6                                                                      |
|L124+ 27.4                                                                      |
|L137+ 26.2                                                                 25.0 |
|L138+\\..                                                                + 22.9 |
|    |\20.9                                                              /+ 22.4 |
|L127+ 19.7  19.2                                                        /+      |
|L128+\ \\.+ 17.5                                                       //| 17.7 |
|    |\\ \\+\15.0                                                      // + 16.0 |
|    | \\ \+\13.4                                                     ///+ 13.4 |
|    |   \ +\\                                                       ////+       |
|    |    \|\10.1                                                   // //|      |
|    |     + \\\                                                    /8.34| 6.96 |
|    |     |. \\                                                  +/5.88+ 6.46 |
|    | 3.13|  .\\  3.31                                          /+/4.64+ 3.46 |
|L121+ 2.25| 1.47+ 1.24                                       1.47+/1.73+      |
|L131+     +.834\+.175  .737              .598  .606 +.371/+.730 |             |
|    +=====+======+======+======+======+======+======+======+======+             |
|                \\.. +-4.15+-----+-----+     |     |/4.45+                      |
|                 \\\ + 5.27|     |     |     |     +/5.29                      |
|                   \\+ 7.72| 8.31|     |     |    /+/7.66                      |
|                    \+ 9.85+ 9.80| 10.6|     | 9.43+/10.2                      |
|                     +.... + 12.4+ 12.2| 11.0+ 12.1+                           |
|                      .... + 13.5+ 13.6+ 12.6+/13.2                            |
|                        .. + 14.8+-16.2+ 15.7+ 15.9                            |
|                         . + 16.6+-17.4+ 17.0+ 17.7                            |
|                           +  .  + 19.4+ 19.6+                                 |
|                              .  +-20.6+ 21.3                                  |
|                                 +-----+                                       |
|                                                                               |
|                                                                               |
|                                                                               |
|_______________________________________________________________________________|
```

MZ B E N D I N G M O M E N T E N V E L O P E

MEMBER 2. ALL UNITS ARE - KIP FEET

LENGTH= 13.0 MAX(ABSOLUTE)= 39.0 AT 0.0 FROM START.FOR LOAD 134.

UPPER ENVELOPE MZ VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

39.04	19.22	3.31	-0.74	-1.16	-1.07
-0.60	0.25	1.47	8.34	25.49	

CORRESPONDING LOAD NUMBERS

134.	134.	134.	121.	131.	131.
131.	131.	131.	132.	133.	

LOWER ENVELOPE MZ VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

2.25	0.83	-0.21	-10.33	-17.66	-21.17
-21.31	-17.71	-10.20	-1.07	3.46	

CORRESPONDING LOAD NUMBERS

131.	131.	131.	133.	135.	135.
134.	134.	134.	127.	121.	

188. MSDR ENVELOPE FY MZ LIST 3

```
                                                                              11.9
                                                                            +
                                                                       10.3|
                                                                     +     | 9.41
                                                                    /|     +
                                                                   / |   . |
                                                                     | 7.77| 7.91
                                                                  /  + 6.81+
                                                                 /  .+     |
                                                                /5.31|     | 5.30
                                                               + 4.80| 4.56+ 4.64
                                                           3.68+ /   +-4.21+
                                                         + 3.16|/3.51+ 3.7 | 3.12
                                                       . + 2.41+ 2.36+-----+
                                                     2.4 + 1.80+ / . |     |
                                                   + 1.31+.738 |.796 |.817 | 1.5
                                                  /+.681-+.142-+.374 +-----+
    +=====+=====+=====+=====+=====+=====+=====+=====+=====+=====+
    | 1.43| 1.38| 1.32|.819 +.762-+-1.11+
L121+ 1.65+ 2.9-+ 2.1-+-----+-1.61+/1.60
L131+-----+-----+     | 2.71+ 2.21+
    |     |     | 3.35+ 3.30+ 3.24
    |     | 4.12+ 3.85+ 4.20+
    | 4.90+ 4.94+ 4.84+ 4.88
L138+ 5.53+     +   . +
L134+ 6.4 | 5.94| 6.10
L126+ 7.3 +     + 7.19
L124+     | 7.74+
    |     +   .
    | 9.38| 8.83
L136+     +
    | 10.5
L133+
```

FY S H E A R F O R C E E N V E L O P E

MEMBER 3. ALL UNITS ARE - KIP FEET

LENGTH= 11.5 MAX(ABSOLUTE)= 11.9 AT 11.5 FROM START.FOR LOAD 132.

UPPER ENVELOPE FY VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

-1.43	-1.38	-1.19	-0.82	-0.68	-0.45
2.04	3.68	5.31	10.29	11.93	

CORRESPONDING LOAD NUMBERS

121.	121.	128.	121.	128.	128.
132.	132.	132.	132.	132.	

LOWER ENVELOPE FY VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

-10.50	-8.86	-7.22	-4.91	-3.28	-1.64
-0.09	0.14	0.37	0.82	1.05	

CORRESPONDING LOAD NUMBERS

133.	133.	133.	133.	133.	133.
127.	127.	127.	127.	127.	

```
|                                                                        |
|                                                                        |
|                                      9.57                              |
|                                   +       8.59                         |
|                               6.77|     +                              |
|                             + 6.48| 5.64| 6.9                          |
|                            /+ 4.72+-5.39+ 5.4   5.29                   |
|                           /.+ 3.73+ 4.16+ 3.50+ 3.39                   |
|                         /. .+ 2.85+-2.57+ 2.73+.2.90                   |
|                        /1.44+ 1.72+-1.92+ 2.10+\1.28                   |
|                       +.812 +.184 +-----+-----+.461  .398              |
|    +=====+=====+=====+.740=+=====+=====+=====+=====+=====+=====+      |
|    |     | 1.84+   /.+    . | 1.56+-----+-----+---.-+ 1.43| 1.97|     |
|    |     + 2.60|  ./.| 2.48+                       +\  . + 2.46| 2.75 |
|    | 3.46+     | 4.1 +                             .\.  + .   +       |
|L121+ 5.6 | 5.18+/4.61                               \.\ |.5.54| 5.55  |
|L131+     +    /+ 6.21                                \.\+ 6.62+       |
|    | 6.96|  ./.+                                      \ +\  . | 7.77  |
|L128+     | 8.18                                        \| 8.54+       |
|    |     + 9.68                                        \+ 9.11|       |
|    |    .+/10.2                                         + \ \\| 11.0  |
|    |   . /+ /                                            \ \ \+ 12.1  |
|    | 13.4|/13.0                                          .\ \ +       |
|L138+  // +/13.9                                               |       |
|    | // /+                                               .\ \| 15.1   |
|    |/16.0                                                    \ +      |
|L126+/17.7                                                   .  |      |
|L134+/18.2                                                    .\| 18.5 |
|L124+                                                           +      |
|    | /.                                                        .|     |
|    |/                                                           | 21.9 |
|    | 22.9                                                       +      |
|L136+.                                                                 |
|    | 25.0                                                             |
|L133+                                                                  |
|                                                                       |
|                                                          -            |
|_______________________________________________________________________|
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MZ B E N D I N G M O M E N T E N V E L O P E

MEMBER 3. ALL UNITS ARE - KIP FEET

LENGTH= 11.5 MAX(ABSOLUTE)= 25.5 AT 0.0 FROM START.FOR LOAD 133.

UPPER ENVELOPE MZ VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

-3.46	-1.84	-0.24	2.08	6.77	9.57
8.59	5.29	1.05	-1.67	-2.75	

CORRESPONDING LOAD NUMBERS

121.	121.	131.	132.	132.	132.
132.	132.	131.	127.	127.	

LOWER ENVELOPE MZ VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

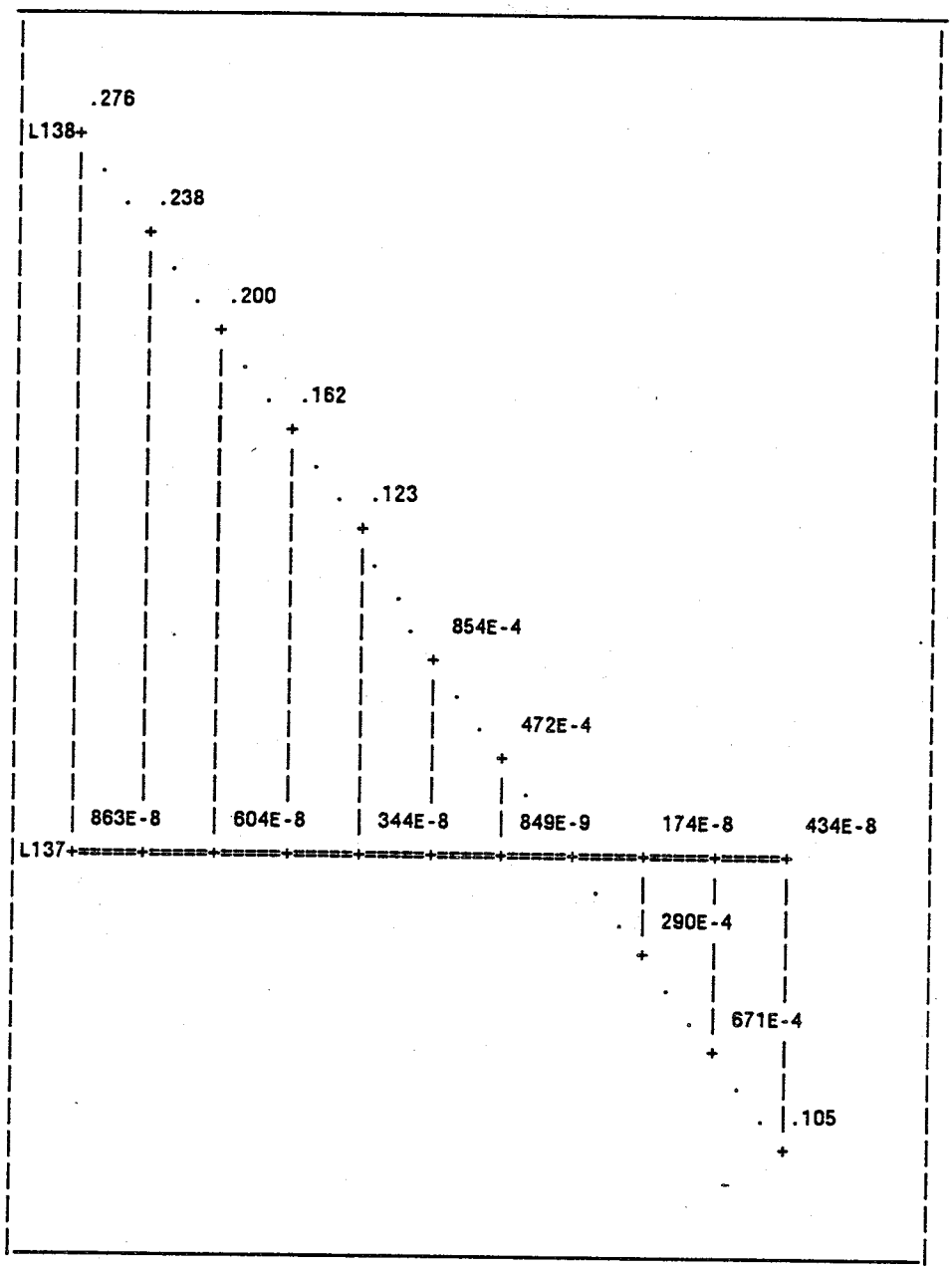
-25.49	-14.32	-6.21	-2.53	-1.61	-0.96
-0.69	-0.72	-1.79	-9.21	-21.99	

CORRESPONDING LOAD NUMBERS

133.	133.	134.	128.	128.	128.
128.	128.	134.	133.	133.	

189. MSDR ENVELOPE FY MZ LIST 4

MEMBER 4. HAS ZERO FY



MZ B E N D I N G M O M E N T E N V E L O P E

MEMBER 4. ALL UNITS ARE - KIP FEET

LENGTH= 11.5 MAX(ABSOLUTE)= 0.3 AT 0.0 FROM START.FOR LOAD 128.

UPPER ENVELOPE MZ VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

0.28	0.24	0.20	0.16	0.12	0.09
0.05	0.01	0.00	0.00	0.00	

CORRESPONDING LOAD NUMBERS

128.	128.	128.	128.	128.	128.
138.	136.	135.	135.	135.	

LOWER ENVELOPE MZ VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	-0.03	-0.07	-0.11	

CORRESPONDING LOAD NUMBERS

135.	135.	135.	135.	135.	135.
125.	127.	128.	128.	128.	

190. MSDR ENVELOPE FY MZ LIST 5

```
|                                                                                |
|                                                                                |
|      10.5                                                                      |
|L133+                                                                           |
|    | 9.38  8.83                                                                |
|L136+     +                                                                     |
|    |  .  | 7.74                                                                 |
|    | 7.4 +   .   7.19                                                          |
|L124+ 6.4 | 5.94+ 6.10                                                           |
|L126+ 5.49+     + .                                                             |
|L134+ 4.90| 4.94| 4.84  4.88                                                    |
|L138+     + 4.12+ 3.85+ 4.20                                                    |
|    |     +     + 3.35+ 3.30  3.24                                              |
|    |     |     +  .  + 2.71+ 2.21                                              |
|    | 1.65| 2.9 | 2.1 +     + 1.61  1.60                                      |
|L131+-1.43+-1.38+ 1.32|.819 +.762 + 1.11                                       |
|L121+-----+-----+-----+-----+.681-+.704   901E-4                                |
|    |     |     |     |     +-----+-.---+.681  .142  .374                      |
|    +=====+=====+=====+=====+=====+=====+.853=+=====+=====+=====+ 1.5            |
|                                     .\+ 2.4-+-1.80+     +-----+                |
|                                      +  .  + 2.41| 2.40|     |                |
|                                        ..  + 3.16+ 3.51| 3.7 | 3.12           |
|                                          . + 3.68+ . \ + 4.21+                |
|                                            +  .  | 4.80+ 4.56| 4.64           |
|                                               .  + 5.31+--.--+ 5.30           |
|                                                 +.  \ |     +                |
|                                                  \ . \| 6.81|                |
|                                                   \ . + 7.77| 7.91           |
|                                                    \  +     +                |
|                                                       | .   |                |
|                                                     \ |   . | 9.41           |
|                                                      \| 10.3+                |
|                                                       +     |                |
|                                                          .  | 11.9           |
|                                                             +                |
|                                                                              |
|                                                          -                   |
|                                                                              |
```

FY SHEAR FORCE ENVELOPE

MEMBER 5. ALL UNITS ARE - KIP FEET

LENGTH= 11.5 MAX(ABSOLUTE)= 11.9 AT 11.5 FROM START.FOR LOAD 132.

UPPER ENVELOPE FY VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

10.50	8.86	7.22	4.91	3.28	1.64
0.09	-0.14	-0.37	-0.82	-1.05	

CORRESPONDING LOAD NUMBERS

133.	133.	133.	133.	133.	133.
127.	127.	127.	127.	127.	

LOWER ENVELOPE FY VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

1.43	1.38	1.15	0.82	0.65	0.42
-2.04	-3.68	-5.31	-10.29	-11.93	

CORRESPONDING LOAD NUMBERS

121.	121.	128.	121.	128.	128.
132.	132.	132.	132.	132.	

```
|                                                                        |
|                                                                        |
|     25.0                                                               |
|L133+                                                                   |
|    | 22.9                                                              |
|L135+ 22.4                                                   21.9       |
|L136+ .                                                    +            |
|    |\                                                    |            |
|    | 18.2                                                .| 18.5      |
|L123+ 17.7                                                 +            |
|L124+ 16.0                                                ./|           |
|L134+ 15.5                                               .  | 15.1      |
|L126+\\\    13.9                                          / +           |
|    | 13.4+ 13.0                                        ./ /|           |
|L138+ \\\ +\                                                | 12.0      |
|    |.  \\|\10.2                                      ./ / + 11.0      |
|    | \. \+ 10.2                                      /9.11+            |
|    |   . + 8.18                                     + 8.54|           |
|    | 6.96+ 7.72                                     /+ / / | 7.77      |
|L127+ 6.46+.\\.   5.74                              /|/6.62+            |
|L128+ 5.6 | 5.18+ 4.61                              / +/5.54| 5.55      |
|L131+ 3.46+   .\+.4.1                               / /+  .  +          |
|L121+  .  | 2.60+\3.26  2.48                       /./.| 2.46| 2.75     |
|    |  .  + 1.84+.... + 2.10  1.56                /1.43+ 1.97+          |
|    |     +  .  |.280 +.836-+      .909  .644  .674 +.518 +    |        |
|    |     |     +   .\+.812 |.575 +-----+-----+.738-+.398 |    |        |
|    +=====+=====+=====+=====+ 1.86+=====+=====+ 1.35+=====+=====+      |
|                     +..   + 2.85| 2.57+ 2.73+ 2.89                     |
|                      \... + 3.73+-4.16+ 3.50+/3.39                     |
|                       \.. + 4.72+-5.39+ 5.4 + 5.29                     |
|                         \ + 6.48+-5.64+ 6.9 +                          |
|                          \+ 6.77+ 7.3-+   .                            |
|                           + .   +     | 8.59                           |
|                              .. | 9.57+                                |
|                                 +                                      |
|                                                                        |
|                                                                        |
|________________________________________________________________________|
```

MZ B E N D I N G M O M E N T E N V E L O P E

MEMBER 5. ALL UNITS ARE - KIP FEET

LENGTH= 11.5 MAX(ABSOLUTE)= 25.5 AT 0.0 FROM START.FOR LOAD 133.

UPPER ENVELOPE MZ VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

25.49	14.32	5.74	2.48	1.56	0.91
0.64	0.67	1.56	9.21	21.99	

CORRESPONDING LOAD NUMBERS

133.	133.	134.	127.	127.	127.
127.	127.	134.	133.	133.	

LOWER ENVELOPE MZ VALUES AT CONSECUTIVE SECTIONS FROM START TO END:

3.46	1.84	0.24	-2.08	-6.77	-9.57
-8.59	-5.29	-1.05	1.52	2.64	

CORRESPONDING LOAD NUMBERS

121.	121.	131.	132.	132.	132.
132.	132.	131.	128.	128.	

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191.      PLOT DIS FIL
192.      FINISH


*************** END OF STAAD-III ***************

****** DATE= JUL 22,1994   TIME= 14: 8:51 ******


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*          FOR QUESTIONS ON STAAD-III/ISDS, CONTACT:         *
*          RESEARCH ENGINEERS, INC AT (609) 983-5050         *
*          TELEX:  4994385      FAX:  (609) 983-3825         *
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