ENERCON SERVICES, INC.

Appendix FC-1 to Calculation PGE-009-CALC-003

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Appendix FC-1

Pad Internal Forces – Soft Rock Model

This Appendix presents internal force data for the pad for load cases 2 through 6 for the soft rock model. The input file is provided followed by the output file.

Appendix Contents

ANSYS input file for pad internal forces sheet 2
ANSYS output file for pad internal forces: sheet 76
- Load Case 2 HE(1) N sheet 77
- Load Case 3 HE(1) N 32.93 W sheet 129
- Load Case 4 HE(1) N 45 W sheet 181
- Load Case 5 HE(1) N 57.07 W sheet 234
- Load Case 6 HE(1) W sheet 286

Below is the ANSYS input file that scans the database and provides pad internal forces for the soft rock model.

```
/com,
/com, This routine processes load results data for the
/com,   evaluation of pad internal forces and moments
/com
/com,   Soft Rock Load Step Results
/com
/output,padintforcess2,out
/com
/com ********************************************************************************
/com ********************************************************************************
/com ********************************************************************************
/com ********************************************************************************
/com ********************************************************************************
/com ********************************************************************************
/com
/com ************************ Soft Rock Results ******************************
/com
/file,dcslabs2
resume
/HEADER,ON,OFF,OFF,OFF,ON,OFF
/post1
eall
nall
/com
/com ********************************************************************************
/com ********************************************************************************
/com *************************  LOAD CASE 2 ***********************************
set,2
/COM
/COM  SECTION THE PAD IN TO 4 NORTH-SOUTH Z-DIRECTION STRIPS
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip Z direction x = -102 to 102 Lines A to B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
/com
/com  Internal forces at Z = 222.0  LINE 10
/com
nsel,r,loc,z,221.9,222.1
spoint,,0,-45.0,222.0
fsum
nelem
/com
/com  Internal forces at Z = 162.0  LINE 9
/com
```

```
nsel,r,loc,z,-1038.1,162.1
enode,1
nsel,r,loc,z,161.9,162.1
spoint,,0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at Z = 102.0  LINE 8
/com
nsel,r,loc,z,-1038.1,102.1
enode,1
nsel,r,loc,z,101.9,102.1
spoint,,0,-45.0,102.0
fsum
nelem
/com
/com  Internal forces at Z = -102.0 LINE 7
/com
nsel,r,loc,z,-1038.1,-101.9
enode,1
nsel,r,loc,z,-101.9,-102.1
spoint,,0,-45.0,-102.0
fsum
nelem
/com
/com  Internal forces at Z = -306.0 LINE 6
/com
nsel,r,loc,z,-1038.1,-305.9
enode,1
nsel,r,loc,z,-305.9,-306.1
spoint,,0,-45.0,-306.0
fsum
nelem
/com
/com  Internal forces at Z = -510.0 LINE 5
/com
nsel,r,loc,z,-1038.1,-509.9
enode,1
nsel,r,loc,z,-509.9,-510.1
spoint,,0,-45.0,-510.0
fsum
nelem
/com
/com  Internal forces at Z = -714.0 LINE 4
/com
nsel,r,loc,z,-1038.1,-713.9
enode,1
nsel,r,loc,z,-713.9,-714.1
spoint,,0,-45.0,-714.0
fsum
nelem
/com
/com  Internal forces at Z = -918.0 LINE 3
```

```
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
nsel,r,loc,z,-917.9,-918.1
spoint,,0,-45.0,-918.0
fsum
nelem
/com
/com  Internal forces at Z = -978.0 LINE 2
/com
nsel,r,loc,z,-1038.1,-977.9
enode,1
nsel,r,loc,z,-977.9,-978.1
spoint,,0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at Z = -1038.0      LINE 1
/com
nsel,r,loc,z,-1037.9,-1038.1
spoint,,0,-45.0,-1038.0
fsum
/com  next strip x = 102 to 306 Lines B to C
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip Z direction
/com
nsel,r,loc,x,101.9,306.1
enode,1
/com
/com  Internal forces at Z = 222.0  LINE 10
/com
nsel,r,loc,z,221.9,222.1
spoint,,204.0,-45.0,222.0
fsum
nelem
/com
/com  Internal forces at Z = 162.0  LINE 9
/com
nsel,r,loc,z,-1038.1,162.1
enode,1
nsel,r,loc,z,161.9,162.1
spoint,,204.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at Z = 102.0  LINE 8
/com
nsel,r,loc,z,-1038.1,102.1
```

```
enode,1
nsel,r,loc,z,101.9,102.1
spoint,,204.0,-45.0,102.0
fsum
nelem
/com
/com  Internal forces at Z = -102.0 LINE 7
/com
nsel,r,loc,z,-1038.1,-101.9
enode,1
nsel,r,loc,z,-101.9,-102.1
spoint,,204.0,-45.0,-102.0
fsum
nelem
/com
/com  Internal forces at Z = -306.0 LINE 6
/com
nsel,r,loc,z,-1038.1,-305.9
enode,1
nsel,r,loc,z,-305.9,-306.1
spoint,,204.0,-45.0,-306.0
fsum
nelem
/com
/com  Internal forces at Z = -510.0 LINE 5
/com
nsel,r,loc,z,-1038.1,-509.9
enode,1
nsel,r,loc,z,-509.9,-510.1
spoint,,204.0,-45.0,-510.0
fsum
nelem
/com
/com  Internal forces at Z = -714.0 LINE 4
/com
nsel,r,loc,z,-1038.1,-713.9
enode,1
nsel,r,loc,z,-713.9,-714.1
spoint,,204.0,-45.0,-714.0
fsum
nelem
/com
/com  Internal forces at Z = -918.0 LINE 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
nsel,r,loc,z,-917.9,-918.1
spoint,,204.0,-45.0,-918.0
fsum
nelem
/com
/com  Internal forces at Z = -978.0 LINE 2
/com
```

```
nsel,r,loc,z,-1038.1,-977.9
enode,1
nsel,r,loc,z,-977.9,-978.1
spoint,,204.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at Z = -1038.0      LINE 1
/com
nsel,r,loc,z,-1037.9,-1038.1
spoint,,204.0,-45.0,-1038.0
fsum
/com  next strip x = 306 to 510 Lines C to D
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip Z direction
/com
nsel,r,loc,x,305.9,510.1
enode,1
/com
/com  Internal forces at Z = 222.0  LINE 10
/com
nsel,r,loc,z,221.9,222.1
spoint,,408.0,-45.0,222.0
fsum
nelem
/com
/com  Internal forces at Z = 162.0  LINE 9
/com
nsel,r,loc,z,-1038.1,162.1
enode,1
nsel,r,loc,z,161.9,162.1
spoint,,408.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at Z = 102.0  LINE 8
/com
nsel,r,loc,z,-1038.1,102.1
enode,1
nsel,r,loc,z,101.9,102.1
spoint,,408.0,-45.0,102.0
fsum
nelem
/com
/com  Internal forces at Z = -102.0 LINE 7
/com
nsel,r,loc,z,-1038.1,-101.9
enode,1
```

```
nsel,r,loc,z,-101.9,-102.1
spoint,,408.0,-45.0,-102.0
fsum
nelem
/com
/com  Internal forces at Z = -306.0 LINE 6
/com
nsel,r,loc,z,-1038.1,-305.9
enode,1
nsel,r,loc,z,-305.9,-306.1
spoint,,408.0,-45.0,-306.0
fsum
nelem
/com
/com  Internal forces at Z = -510.0 LINE 5
/com
nsel,r,loc,z,-1038.1,-509.9
enode,1
nsel,r,loc,z,-509.9,-510.1
spoint,,408.0,-45.0,-510.0
fsum
nelem
/com
/com  Internal forces at Z = -714.0 LINE 4
/com
nsel,r,loc,z,-1038.1,-713.9
enode,1
nsel,r,loc,z,-713.9,-714.1
spoint,,408.0,-45.0,-714.0
fsum
nelem
/com
/com  Internal forces at Z = -918.0 LINE 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
nsel,r,loc,z,-917.9,-918.1
spoint,,408.0,-45.0,-918.0
fsum
nelem
/com
/com  Internal forces at Z = -978.0 LINE 2
/com
nsel,r,loc,z,-1038.1,-977.9
enode,1
nsel,r,loc,z,-977.9,-978.1
spoint,,408.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at Z = -1038.0      LINE 1
/com
nsel,r,loc,z,-1037.9,-1038.1
```

```
spoint,,408.0,-45.0,-1038.0
fsum
/com  next strip x = 510 to 714 Lines D to E
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip Z direction
/com
nsel,r,loc,x,509.9,714.1
enode,1
/com
/com  Internal forces at Z = 222.0  LINE 10
/com
nsel,r,loc,z,221.9,222.1
spoint,,612.0,-45.0,222.0
fsum
nelem
/com
/com  Internal forces at Z = 162.0  LINE 9
/com
nsel,r,loc,z,-1038.1,162.1
enode,1
nsel,r,loc,z,161.9,162.1
spoint,,612.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at Z = 102.0  LINE 8
/com
nsel,r,loc,z,-1038.1,102.1
enode,1
nsel,r,loc,z,101.9,102.1
spoint,,612.0,-45.0,102.0
fsum
nelem
/com
/com  Internal forces at Z = -102.0 LINE 7
/com
nsel,r,loc,z,-1038.1,-101.9
enode,1
nsel,r,loc,z,-101.9,-102.1
spoint,,612.0,-45.0,-102.0
fsum
nelem
/com
/com  Internal forces at Z = -306.0 LINE 6
/com
nsel,r,loc,z,-1038.1,-305.9
enode,1
nsel,r,loc,z,-305.9,-306.1
```

```
spoint,,612.0,-45.0,-306.0
fsum
nelem
/com
/com  Internal forces at Z = -510.0 LINE 5
/com
nsel,r,loc,z,-1038.1,-509.9
enode,1
nsel,r,loc,z,-509.9,-510.1
spoint,,612.0,-45.0,-510.0
fsum
nelem
/com
/com  Internal forces at Z = -714.0 LINE 4
/com
nsel,r,loc,z,-1038.1,-713.9
enode,1
nsel,r,loc,z,-713.9,-714.1
spoint,,612.0,-45.0,-714.0
fsum
nelem
/com
/com  Internal forces at Z = -918.0 LINE 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
nsel,r,loc,z,-917.9,-918.1
spoint,,612.0,-45.0,-918.0
fsum
nelem
/com
/com  Internal forces at Z = -978.0 LINE 2
/com
nsel,r,loc,z,-1038.1,-977.9
enode,1
nsel,r,loc,z,-977.9,-978.1
spoint,,612.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at Z = -1038.0      LINE 1
/com
nsel,r,loc,z,-1037.9,-1038.1
spoint,,612.0,-45.0,-1038.0
fsum
/com ***************************************************************************
/com ***************************************************************************
/com
/COM  SECTION THE PAD IN TO 7 EAST-WEST X-DIRECTION STRIPS
/COM
/com  Select all nodes in pad only
/com
esel,type,1
```

```
nelem
/com
/com  select strip x direction z = -1038 to -918 Lines 1 to 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-978.0
fsum
nelem
/com
/com  next strip z = -918 to -714 Lines 3 to 4
/com
/com
/com  Select all nodes in pad only
/com
```

```
esel,type,1
nelem
/com
/com  select strip x direction z = -918 to -714
/com
nsel,r,loc,z,-918.1,-713.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-816.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-816.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-816.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-816.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-816.0
fsum
nelem
/com
/com  next strip z = -714 to -510 Lines 4 to 5
/com
/com
/com  Select all nodes in pad only
```

```
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -714 to -510
/com
nsel,r,loc,z,-714.1,-509.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-612.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-612.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-612.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-612.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-612.0
fsum
nelem
/com
/com  next strip z = -510 to -306 Lines 5 to 6
/com
/com
```

```
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -510 to -306
/com
nsel,r,loc,z,-510.1,-305.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-408.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-408.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-408.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-408.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-408.0
fsum
nelem
/com
/com  next strip z = -306 to -102 Lines 6 to 7
/com
```

```
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -306 to -102
/com
nsel,r,loc,z,-306.1,-101.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-204.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-204.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-204.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-204.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-204.0
fsum
nelem
/com
/com  next strip z = -102 to 102 Lines 7 to 8
```

```
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -102 to 102
/com
nsel,r,loc,z,-102.1,102.1
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,0.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,0.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,0.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,0.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,0.0
fsum
nelem
/com
```

```
/com  next strip z = 102 to 222 Lines 8 to 10
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = 102 to 222
/com
nsel,r,loc,z,101.9,222.1
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,162.0
fsum
eall
```

```
nall
/com ********************************************************************************
/com ********************************************************************************
/com *************************  LOAD CASE 3 ***********************************
set,3
/COM
/COM  SECTION THE PAD IN TO 4 NORTH-SOUTH Z-DIRECTION STRIPS
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip Z direction x = -102 to 102 Lines A to B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
/com
/com  Internal forces at Z = 222.0  LINE 10
/com
nsel,r,loc,z,221.9,222.1
spoint,,0,-45.0,222.0
fsum
nelem
/com
/com  Internal forces at Z = 162.0  LINE 9
/com
nsel,r,loc,z,-1038.1,162.1
enode,1
nsel,r,loc,z,161.9,162.1
spoint,,0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at Z = 102.0  LINE 8
/com
nsel,r,loc,z,-1038.1,102.1
enode,1
nsel,r,loc,z,101.9,102.1
spoint,,0,-45.0,102.0
fsum
nelem
/com
/com  Internal forces at Z = -102.0 LINE 7
/com
nsel,r,loc,z,-1038.1,-101.9
enode,1
nsel,r,loc,z,-101.9,-102.1
spoint,,0,-45.0,-102.0
fsum
nelem
/com
/com  Internal forces at Z = -306.0 LINE 6
```

```
/com
nsel,r,loc,z,-1038.1,-305.9
enode,1
nsel,r,loc,z,-305.9,-306.1
spoint,,0,-45.0,-306.0
fsum
nelem
/com
/com  Internal forces at Z = -510.0 LINE 5
/com
nsel,r,loc,z,-1038.1,-509.9
enode,1
nsel,r,loc,z,-509.9,-510.1
spoint,,0,-45.0,-510.0
fsum
nelem
/com
/com  Internal forces at Z = -714.0 LINE 4
/com
nsel,r,loc,z,-1038.1,-713.9
enode,1
nsel,r,loc,z,-713.9,-714.1
spoint,,0,-45.0,-714.0
fsum
nelem
/com
/com  Internal forces at Z = -918.0 LINE 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
nsel,r,loc,z,-917.9,-918.1
spoint,,0,-45.0,-918.0
fsum
nelem
/com
/com  Internal forces at Z = -978.0 LINE 2
/com
nsel,r,loc,z,-1038.1,-977.9
enode,1
nsel,r,loc,z,-977.9,-978.1
spoint,,0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at Z = -1038.0      LINE 1
/com
nsel,r,loc,z,-1037.9,-1038.1
spoint,,0,-45.0,-1038.0
fsum
/com  next strip x = 102 to 306 Lines B to C
/com
/com  Select all nodes in pad only
/com
```

```
esel,type,1
nelem
/com
/com  select strip Z direction
/com
nsel,r,loc,x,101.9,306.1
enode,1
/com
/com  Internal forces at Z = 222.0  LINE 10
/com
nsel,r,loc,z,221.9,222.1
spoint,,204.0,-45.0,222.0
fsum
nelem
/com
/com  Internal forces at Z = 162.0  LINE 9
/com
nsel,r,loc,z,-1038.1,162.1
enode,1
nsel,r,loc,z,161.9,162.1
spoint,,204.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at Z = 102.0  LINE 8
/com
nsel,r,loc,z,-1038.1,102.1
enode,1
nsel,r,loc,z,101.9,102.1
spoint,,204.0,-45.0,102.0
fsum
nelem
/com
/com  Internal forces at Z = -102.0 LINE 7
/com
nsel,r,loc,z,-1038.1,-101.9
enode,1
nsel,r,loc,z,-101.9,-102.1
spoint,,204.0,-45.0,-102.0
fsum
nelem
/com
/com  Internal forces at Z = -306.0 LINE 6
/com
nsel,r,loc,z,-1038.1,-305.9
enode,1
nsel,r,loc,z,-305.9,-306.1
spoint,,204.0,-45.0,-306.0
fsum
nelem
/com
/com  Internal forces at Z = -510.0 LINE 5
/com
```

```
nsel,r,loc,z,-1038.1,-509.9
enode,1
nsel,r,loc,z,-509.9,-510.1
spoint,,204.0,-45.0,-510.0
fsum
nelem
/com
/com  Internal forces at Z = -714.0 LINE 4
/com
nsel,r,loc,z,-1038.1,-713.9
enode,1
nsel,r,loc,z,-713.9,-714.1
spoint,,204.0,-45.0,-714.0
fsum
nelem
/com
/com  Internal forces at Z = -918.0 LINE 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
nsel,r,loc,z,-917.9,-918.1
spoint,,204.0,-45.0,-918.0
fsum
nelem
/com
/com  Internal forces at Z = -978.0 LINE 2
/com
nsel,r,loc,z,-1038.1,-977.9
enode,1
nsel,r,loc,z,-977.9,-978.1
spoint,,204.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at Z = -1038.0      LINE 1
/com
nsel,r,loc,z,-1037.9,-1038.1
spoint,,204.0,-45.0,-1038.0
fsum
/com  next strip x = 306 to 510 Lines C to D
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip Z direction
/com
nsel,r,loc,x,305.9,510.1
enode,1
/com
/com  Internal forces at Z = 222.0  LINE 10
/com
```

```
nsel,r,loc,z,221.9,222.1
spoint,,408.0,-45.0,222.0
fsum
nelem
/com
/com  Internal forces at Z = 162.0  LINE 9
/com
nsel,r,loc,z,-1038.1,162.1
enode,1
nsel,r,loc,z,161.9,162.1
spoint,,408.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at Z = 102.0  LINE 8
/com
nsel,r,loc,z,-1038.1,102.1
enode,1
nsel,r,loc,z,101.9,102.1
spoint,,408.0,-45.0,102.0
fsum
nelem
/com
/com  Internal forces at Z = -102.0 LINE 7
/com
nsel,r,loc,z,-1038.1,-101.9
enode,1
nsel,r,loc,z,-101.9,-102.1
spoint,,408.0,-45.0,-102.0
fsum
nelem
/com
/com  Internal forces at Z = -306.0 LINE 6
/com
nsel,r,loc,z,-1038.1,-305.9
enode,1
nsel,r,loc,z,-305.9,-306.1
spoint,,408.0,-45.0,-306.0
fsum
nelem
/com
/com  Internal forces at Z = -510.0 LINE 5
/com
nsel,r,loc,z,-1038.1,-509.9
enode,1
nsel,r,loc,z,-509.9,-510.1
spoint,,408.0,-45.0,-510.0
fsum
nelem
/com
/com  Internal forces at Z = -714.0 LINE 4
/com
nsel,r,loc,z,-1038.1,-713.9
```

```
enode,1
nsel,r,loc,z,-713.9,-714.1
spoint,,408.0,-45.0,-714.0
fsum
nelem
/com
/com  Internal forces at Z = -918.0 LINE 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
nsel,r,loc,z,-917.9,-918.1
spoint,,408.0,-45.0,-918.0
fsum
nelem
/com
/com  Internal forces at Z = -978.0 LINE 2
/com
nsel,r,loc,z,-1038.1,-977.9
enode,1
nsel,r,loc,z,-977.9,-978.1
spoint,,408.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at Z = -1038.0      LINE 1
/com
nsel,r,loc,z,-1037.9,-1038.1
spoint,,408.0,-45.0,-1038.0
fsum
/com  next strip x = 510 to 714 Lines D to E
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip Z direction
/com
nsel,r,loc,x,509.9,714.1
enode,1
/com
/com  Internal forces at Z = 222.0  LINE 10
/com
nsel,r,loc,z,221.9,222.1
spoint,,612.0,-45.0,222.0
fsum
nelem
/com
/com  Internal forces at Z = 162.0  LINE 9
/com
nsel,r,loc,z,-1038.1,162.1
enode,1
nsel,r,loc,z,161.9,162.1
```

```
spoint,,612.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at Z = 102.0  LINE 8
/com
nsel,r,loc,z,-1038.1,102.1
enode,1
nsel,r,loc,z,101.9,102.1
spoint,,612.0,-45.0,102.0
fsum
nelem
/com
/com  Internal forces at Z = -102.0 LINE 7
/com
nsel,r,loc,z,-1038.1,-101.9
enode,1
nsel,r,loc,z,-101.9,-102.1
spoint,,612.0,-45.0,-102.0
fsum
nelem
/com
/com  Internal forces at Z = -306.0 LINE 6
/com
nsel,r,loc,z,-1038.1,-305.9
enode,1
nsel,r,loc,z,-305.9,-306.1
spoint,,612.0,-45.0,-306.0
fsum
nelem
/com
/com  Internal forces at Z = -510.0 LINE 5
/com
nsel,r,loc,z,-1038.1,-509.9
enode,1
nsel,r,loc,z,-509.9,-510.1
spoint,,612.0,-45.0,-510.0
fsum
nelem
/com
/com  Internal forces at Z = -714.0 LINE 4
/com
nsel,r,loc,z,-1038.1,-713.9
enode,1
nsel,r,loc,z,-713.9,-714.1
spoint,,612.0,-45.0,-714.0
fsum
nelem
/com
/com  Internal forces at Z = -918.0 LINE 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
```

```
nsel,r,loc,z,-917.9,-918.1
spoint,,612.0,-45.0,-918.0
fsum
nelem
/com
/com  Internal forces at Z = -978.0 LINE 2
/com
nsel,r,loc,z,-1038.1,-977.9
enode,1
nsel,r,loc,z,-977.9,-978.1
spoint,,612.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at Z = -1038.0      LINE 1
/com
nsel,r,loc,z,-1037.9,-1038.1
spoint,,612.0,-45.0,-1038.0
fsum
/com ***************************************************************************
/com ***************************************************************************
/com
/COM  SECTION THE PAD IN TO 7 EAST-WEST X-DIRECTION STRIPS
/COM
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -1038 to -918 Lines 1 to 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
```

```
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-978.0
fsum
nelem
/com
/com  next strip z = -918 to -714 Lines 3 to 4
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -918 to -714
/com
nsel,r,loc,z,-918.1,-713.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-816.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-816.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
```

```
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-816.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-816.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-816.0
fsum
nelem
/com
/com  next strip z = -714 to -510 Lines 4 to 5
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -714 to -510
/com
nsel,r,loc,z,-714.1,-509.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-612.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-612.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
```

```
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-612.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-612.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-612.0
fsum
nelem
/com
/com  next strip z = -510 to -306 Lines 5 to 6
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -510 to -306
/com
nsel,r,loc,z,-510.1,-305.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-408.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-408.0
fsum
nelem
/com
```

```
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-408.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-408.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-408.0
fsum
nelem
/com
/com  next strip z = -306 to -102 Lines 6 to 7
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -306 to -102
/com
nsel,r,loc,z,-306.1,-101.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-204.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-204.0
fsum
nelem
```

```
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-204.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-204.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-204.0
fsum
nelem
/com
/com  next strip z = -102 to 102 Lines 7 to 8
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -102 to 102
/com
nsel,r,loc,z,-102.1,102.1
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,0.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,0.0
fsum
```

```
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,0.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,0.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,0.0
fsum
nelem
/com
/com  next strip z = 102 to 222 Lines 8 to 10
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = 102 to 222
/com
nsel,r,loc,z,101.9,222.1
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,162.0
```

```
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,162.0
fsum
eall
nall
/com
/com
/com ********************************************************************************
/com ********************************************************************************
/com *************************  LOAD CASE 4 ***********************************
set,4
/COM
/COM  SECTION THE PAD IN TO 4 NORTH-SOUTH Z-DIRECTION STRIPS
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip Z direction x = -102 to 102 Lines A to B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
/com
/com  Internal forces at Z = 222.0  LINE 10
/com
nsel,r,loc,z,221.9,222.1
spoint,,0,-45.0,222.0
fsum
nelem
```

```
/com
/com  Internal forces at Z = 162.0  LINE 9
/com
nsel,r,loc,z,-1038.1,162.1
enode,1
nsel,r,loc,z,161.9,162.1
spoint,,0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at Z = 102.0  LINE 8
/com
nsel,r,loc,z,-1038.1,102.1
enode,1
nsel,r,loc,z,101.9,102.1
spoint,,0,-45.0,102.0
fsum
nelem
/com
/com  Internal forces at Z = -102.0 LINE 7
/com
nsel,r,loc,z,-1038.1,-101.9
enode,1
nsel,r,loc,z,-101.9,-102.1
spoint,,0,-45.0,-102.0
fsum
nelem
/com
/com  Internal forces at Z = -306.0 LINE 6
/com
nsel,r,loc,z,-1038.1,-305.9
enode,1
nsel,r,loc,z,-305.9,-306.1
spoint,,0,-45.0,-306.0
fsum
nelem
/com
/com  Internal forces at Z = -510.0 LINE 5
/com
nsel,r,loc,z,-1038.1,-509.9
enode,1
nsel,r,loc,z,-509.9,-510.1
spoint,,0,-45.0,-510.0
fsum
nelem
/com
/com  Internal forces at Z = -714.0 LINE 4
/com
nsel,r,loc,z,-1038.1,-713.9
enode,1
nsel,r,loc,z,-713.9,-714.1
spoint,,0,-45.0,-714.0
fsum
```

```
nelem
/com
/com  Internal forces at Z = -918.0 LINE 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
nsel,r,loc,z,-917.9,-918.1
spoint,,0,-45.0,-918.0
fsum
nelem
/com
/com  Internal forces at Z = -978.0 LINE 2
/com
nsel,r,loc,z,-1038.1,-977.9
enode,1
nsel,r,loc,z,-977.9,-978.1
spoint,,0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at Z = -1038.0      LINE 1
/com
nsel,r,loc,z,-1037.9,-1038.1
spoint,,0,-45.0,-1038.0
fsum
/com  next strip x = 102 to 306 Lines B to C
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip Z direction
/com
nsel,r,loc,x,101.9,306.1
enode,1
/com
/com  Internal forces at Z = 222.0  LINE 10
/com
nsel,r,loc,z,221.9,222.1
spoint,,204.0,-45.0,222.0
fsum
nelem
/com
/com  Internal forces at Z = 162.0  LINE 9
/com
nsel,r,loc,z,-1038.1,162.1
enode,1
nsel,r,loc,z,161.9,162.1
spoint,,204.0,-45.0,162.0
fsum
nelem
/com
```

```
/com  Internal forces at Z = 102.0  LINE 8
/com
nsel,r,loc,z,-1038.1,102.1
enode,1
nsel,r,loc,z,101.9,102.1
spoint,,204.0,-45.0,102.0
fsum
nelem
/com
/com  Internal forces at Z = -102.0 LINE 7
/com
nsel,r,loc,z,-1038.1,-101.9
enode,1
nsel,r,loc,z,-101.9,-102.1
spoint,,204.0,-45.0,-102.0
fsum
nelem
/com
/com  Internal forces at Z = -306.0 LINE 6
/com
nsel,r,loc,z,-1038.1,-305.9
enode,1
nsel,r,loc,z,-305.9,-306.1
spoint,,204.0,-45.0,-306.0
fsum
nelem
/com
/com  Internal forces at Z = -510.0 LINE 5
/com
nsel,r,loc,z,-1038.1,-509.9
enode,1
nsel,r,loc,z,-509.9,-510.1
spoint,,204.0,-45.0,-510.0
fsum
nelem
/com
/com  Internal forces at Z = -714.0 LINE 4
/com
nsel,r,loc,z,-1038.1,-713.9
enode,1
nsel,r,loc,z,-713.9,-714.1
spoint,,204.0,-45.0,-714.0
fsum
nelem
/com
/com  Internal forces at Z = -918.0 LINE 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
nsel,r,loc,z,-917.9,-918.1
spoint,,204.0,-45.0,-918.0
fsum
nelem
```

```
/com
/com  Internal forces at Z = -978.0 LINE 2
/com
nsel,r,loc,z,-1038.1,-977.9
enode,1
nsel,r,loc,z,-977.9,-978.1
spoint,,204.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at Z = -1038.0      LINE 1
/com
nsel,r,loc,z,-1037.9,-1038.1
spoint,,204.0,-45.0,-1038.0
fsum
/com  next strip x = 306 to 510 Lines C to D
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip Z direction
/com
nsel,r,loc,x,305.9,510.1
enode,1
/com
/com  Internal forces at Z = 222.0  LINE 10
/com
nsel,r,loc,z,221.9,222.1
spoint,,408.0,-45.0,222.0
fsum
nelem
/com
/com  Internal forces at Z = 162.0  LINE 9
/com
nsel,r,loc,z,-1038.1,162.1
enode,1
nsel,r,loc,z,161.9,162.1
spoint,,408.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at Z = 102.0  LINE 8
/com
nsel,r,loc,z,-1038.1,102.1
enode,1
nsel,r,loc,z,101.9,102.1
spoint,,408.0,-45.0,102.0
fsum
nelem
/com
/com  Internal forces at Z = -102.0 LINE 7
```

```
/com
nsel,r,loc,z,-1038.1,-101.9
enode,1
nsel,r,loc,z,-101.9,-102.1
spoint,,408.0,-45.0,-102.0
fsum
nelem
/com
/com  Internal forces at Z = -306.0 LINE 6
/com
nsel,r,loc,z,-1038.1,-305.9
enode,1
nsel,r,loc,z,-305.9,-306.1
spoint,,408.0,-45.0,-306.0
fsum
nelem
/com
/com  Internal forces at Z = -510.0 LINE 5
/com
nsel,r,loc,z,-1038.1,-509.9
enode,1
nsel,r,loc,z,-509.9,-510.1
spoint,,408.0,-45.0,-510.0
fsum
nelem
/com
/com  Internal forces at Z = -714.0 LINE 4
/com
nsel,r,loc,z,-1038.1,-713.9
enode,1
nsel,r,loc,z,-713.9,-714.1
spoint,,408.0,-45.0,-714.0
fsum
nelem
/com
/com  Internal forces at Z = -918.0 LINE 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
nsel,r,loc,z,-917.9,-918.1
spoint,,408.0,-45.0,-918.0
fsum
nelem
/com
/com  Internal forces at Z = -978.0 LINE 2
/com
nsel,r,loc,z,-1038.1,-977.9
enode,1
nsel,r,loc,z,-977.9,-978.1
spoint,,408.0,-45.0,-978.0
fsum
nelem
/com
```

```
/com  Internal forces at Z = -1038.0      LINE 1
/com
nsel,r,loc,z,-1037.9,-1038.1
spoint,,408.0,-45.0,-1038.0
fsum
/com  next strip x = 510 to 714 Lines D to E
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip Z direction
/com
nsel,r,loc,x,509.9,714.1
enode,1
/com
/com  Internal forces at Z = 222.0  LINE 10
/com
nsel,r,loc,z,221.9,222.1
spoint,,612.0,-45.0,222.0
fsum
nelem
/com
/com  Internal forces at Z = 162.0  LINE 9
/com
nsel,r,loc,z,-1038.1,162.1
enode,1
nsel,r,loc,z,161.9,162.1
spoint,,612.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at Z = 102.0  LINE 8
/com
nsel,r,loc,z,-1038.1,102.1
enode,1
nsel,r,loc,z,101.9,102.1
spoint,,612.0,-45.0,102.0
fsum
nelem
/com
/com  Internal forces at Z = -102.0 LINE 7
/com
nsel,r,loc,z,-1038.1,-101.9
enode,1
nsel,r,loc,z,-101.9,-102.1
spoint,,612.0,-45.0,-102.0
fsum
nelem
/com
/com  Internal forces at Z = -306.0 LINE 6
/com
```

```
nsel,r,loc,z,-1038.1,-305.9
enode,1
nsel,r,loc,z,-305.9,-306.1
spoint,,612.0,-45.0,-306.0
fsum
nelem
/com
/com  Internal forces at Z = -510.0 LINE 5
/com
nsel,r,loc,z,-1038.1,-509.9
enode,1
nsel,r,loc,z,-509.9,-510.1
spoint,,612.0,-45.0,-510.0
fsum
nelem
/com
/com  Internal forces at Z = -714.0 LINE 4
/com
nsel,r,loc,z,-1038.1,-713.9
enode,1
nsel,r,loc,z,-713.9,-714.1
spoint,,612.0,-45.0,-714.0
fsum
nelem
/com
/com  Internal forces at Z = -918.0 LINE 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
nsel,r,loc,z,-917.9,-918.1
spoint,,612.0,-45.0,-918.0
fsum
nelem
/com
/com  Internal forces at Z = -978.0 LINE 2
/com
nsel,r,loc,z,-1038.1,-977.9
enode,1
nsel,r,loc,z,-977.9,-978.1
spoint,,612.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at Z = -1038.0      LINE 1
/com
nsel,r,loc,z,-1037.9,-1038.1
spoint,,612.0,-45.0,-1038.0
fsum
/com ***************************************************************************
/com ***************************************************************************
/com
/COM  SECTION THE PAD IN TO 7 EAST-WEST X-DIRECTION STRIPS
/COM
```

```
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -1038 to -918 Lines 1 to 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-978.0
fsum
nelem
/com
/com  next strip z = -918 to -714 Lines 3 to 4
/com
```

```
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -918 to -714
/com
nsel,r,loc,z,-918.1,-713.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-816.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-816.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-816.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-816.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-816.0
fsum
nelem
/com
/com  next strip z = -714 to -510 Lines 4 to 5
```

```
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -714 to -510
/com
nsel,r,loc,z,-714.1,-509.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-612.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-612.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-612.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-612.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-612.0
fsum
nelem
/com
```

```
/com  next strip z = -510 to -306 Lines 5 to 6
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -510 to -306
/com
nsel,r,loc,z,-510.1,-305.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-408.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-408.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-408.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-408.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-408.0
fsum
nelem
```

```
/com
/com  next strip z = -306 to -102 Lines 6 to 7
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -306 to -102
/com
nsel,r,loc,z,-306.1,-101.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-204.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-204.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-204.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-204.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-204.0
fsum
```

```
nelem
/com
/com  next strip z = -102 to 102 Lines 7 to 8
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -102 to 102
/com
nsel,r,loc,z,-102.1,102.1
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,0.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,0.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,0.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,0.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,0.0
```

```
fsum
nelem
/com
/com  next strip z = 102 to 222 Lines 8 to 10
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = 102 to 222
/com
nsel,r,loc,z,101.9,222.1
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
```

```
spoint,,-102.0,-45.0,162.0
fsum
eall
nall
/com
/com
/com ***************************************************************************
/com ***************************************************************************
/com ************************  LOAD CASE 5 ***********************************
set,5
/COM
/COM  SECTION THE PAD IN TO 4 NORTH-SOUTH Z-DIRECTION STRIPS
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip Z direction x = -102 to 102 Lines A to B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
/com
/com  Internal forces at Z = 222.0  LINE 10
/com
nsel,r,loc,z,221.9,222.1
spoint,,0,-45.0,222.0
fsum
nelem
/com
/com  Internal forces at Z = 162.0  LINE 9
/com
nsel,r,loc,z,-1038.1,162.1
enode,1
nsel,r,loc,z,161.9,162.1
spoint,,0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at Z = 102.0  LINE 8
/com
nsel,r,loc,z,-1038.1,102.1
enode,1
nsel,r,loc,z,101.9,102.1
spoint,,0,-45.0,102.0
fsum
nelem
/com
/com  Internal forces at Z = -102.0 LINE 7
/com
nsel,r,loc,z,-1038.1,-101.9
enode,1
nsel,r,loc,z,-101.9,-102.1
```

```
spoint,,0,-45.0,-102.0
fsum
nelem
/com
/com  Internal forces at Z = -306.0 LINE 6
/com
nsel,r,loc,z,-1038.1,-305.9
enode,1
nsel,r,loc,z,-305.9,-306.1
spoint,,0,-45.0,-306.0
fsum
nelem
/com
/com  Internal forces at Z = -510.0 LINE 5
/com
nsel,r,loc,z,-1038.1,-509.9
enode,1
nsel,r,loc,z,-509.9,-510.1
spoint,,0,-45.0,-510.0
fsum
nelem
/com
/com  Internal forces at Z = -714.0 LINE 4
/com
nsel,r,loc,z,-1038.1,-713.9
enode,1
nsel,r,loc,z,-713.9,-714.1
spoint,,0,-45.0,-714.0
fsum
nelem
/com
/com  Internal forces at Z = -918.0 LINE 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
nsel,r,loc,z,-917.9,-918.1
spoint,,0,-45.0,-918.0
fsum
nelem
/com
/com  Internal forces at Z = -978.0 LINE 2
/com
nsel,r,loc,z,-1038.1,-977.9
enode,1
nsel,r,loc,z,-977.9,-978.1
spoint,,0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at Z = -1038.0      LINE 1
/com
nsel,r,loc,z,-1037.9,-1038.1
spoint,,0,-45.0,-1038.0
```

```
fsum
/com  next strip x = 102 to 306 Lines B to C
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip Z direction
/com
nsel,r,loc,x,101.9,306.1
enode,1
/com
/com  Internal forces at Z = 222.0  LINE 10
/com
nsel,r,loc,z,221.9,222.1
spoint,,204.0,-45.0,222.0
fsum
nelem
/com
/com  Internal forces at Z = 162.0  LINE 9
/com
nsel,r,loc,z,-1038.1,162.1
enode,1
nsel,r,loc,z,161.9,162.1
spoint,,204.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at Z = 102.0  LINE 8
/com
nsel,r,loc,z,-1038.1,102.1
enode,1
nsel,r,loc,z,101.9,102.1
spoint,,204.0,-45.0,102.0
fsum
nelem
/com
/com  Internal forces at Z = -102.0 LINE 7
/com
nsel,r,loc,z,-1038.1,-101.9
enode,1
nsel,r,loc,z,-101.9,-102.1
spoint,,204.0,-45.0,-102.0
fsum
nelem
/com
/com  Internal forces at Z = -306.0 LINE 6
/com
nsel,r,loc,z,-1038.1,-305.9
enode,1
nsel,r,loc,z,-305.9,-306.1
spoint,,204.0,-45.0,-306.0
```

```
fsum
nelem
/com
/com  Internal forces at Z = -510.0 LINE 5
/com
nsel,r,loc,z,-1038.1,-509.9
enode,1
nsel,r,loc,z,-509.9,-510.1
spoint,,204.0,-45.0,-510.0
fsum
nelem
/com
/com  Internal forces at Z = -714.0 LINE 4
/com
nsel,r,loc,z,-1038.1,-713.9
enode,1
nsel,r,loc,z,-713.9,-714.1
spoint,,204.0,-45.0,-714.0
fsum
nelem
/com
/com  Internal forces at Z = -918.0 LINE 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
nsel,r,loc,z,-917.9,-918.1
spoint,,204.0,-45.0,-918.0
fsum
nelem
/com
/com  Internal forces at Z = -978.0 LINE 2
/com
nsel,r,loc,z,-1038.1,-977.9
enode,1
nsel,r,loc,z,-977.9,-978.1
spoint,,204.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at Z = -1038.0      LINE 1
/com
nsel,r,loc,z,-1037.9,-1038.1
spoint,,204.0,-45.0,-1038.0
fsum
/com  next strip x = 306 to 510 Lines C to D
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip Z direction
/com
```

```
nsel,r,loc,x,305.9,510.1
enode,1
/com
/com  Internal forces at Z = 222.0  LINE 10
/com
nsel,r,loc,z,221.9,222.1
spoint,,408.0,-45.0,222.0
fsum
nelem
/com
/com  Internal forces at Z = 162.0  LINE 9
/com
nsel,r,loc,z,-1038.1,162.1
enode,1
nsel,r,loc,z,161.9,162.1
spoint,,408.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at Z = 102.0  LINE 8
/com
nsel,r,loc,z,-1038.1,102.1
enode,1
nsel,r,loc,z,101.9,102.1
spoint,,408.0,-45.0,102.0
fsum
nelem
/com
/com  Internal forces at Z = -102.0 LINE 7
/com
nsel,r,loc,z,-1038.1,-101.9
enode,1
nsel,r,loc,z,-101.9,-102.1
spoint,,408.0,-45.0,-102.0
fsum
nelem
/com
/com  Internal forces at Z = -306.0 LINE 6
/com
nsel,r,loc,z,-1038.1,-305.9
enode,1
nsel,r,loc,z,-305.9,-306.1
spoint,,408.0,-45.0,-306.0
fsum
nelem
/com
/com  Internal forces at Z = -510.0 LINE 5
/com
nsel,r,loc,z,-1038.1,-509.9
enode,1
nsel,r,loc,z,-509.9,-510.1
spoint,,408.0,-45.0,-510.0
fsum
```

```
nelem
/com
/com  Internal forces at Z = -714.0 LINE 4
/com
nsel,r,loc,z,-1038.1,-713.9
enode,1
nsel,r,loc,z,-713.9,-714.1
spoint,,408.0,-45.0,-714.0
fsum
nelem
/com
/com  Internal forces at Z = -918.0 LINE 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
nsel,r,loc,z,-917.9,-918.1
spoint,,408.0,-45.0,-918.0
fsum
nelem
/com
/com  Internal forces at Z = -978.0 LINE 2
/com
nsel,r,loc,z,-1038.1,-977.9
enode,1
nsel,r,loc,z,-977.9,-978.1
spoint,,408.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at Z = -1038.0      LINE 1
/com
nsel,r,loc,z,-1037.9,-1038.1
spoint,,408.0,-45.0,-1038.0
fsum
/com  next strip x = 510 to 714 Lines D to E
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip Z direction
/com
nsel,r,loc,x,509.9,714.1
enode,1
/com
/com  Internal forces at Z = 222.0  LINE 10
/com
nsel,r,loc,z,221.9,222.1
spoint,,612.0,-45.0,222.0
fsum
nelem
/com
```

```
/com  Internal forces at Z = 162.0  LINE 9
/com
nsel,r,loc,z,-1038.1,162.1
enode,1
nsel,r,loc,z,161.9,162.1
spoint,,612.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at Z = 102.0  LINE 8
/com
nsel,r,loc,z,-1038.1,102.1
enode,1
nsel,r,loc,z,101.9,102.1
spoint,,612.0,-45.0,102.0
fsum
nelem
/com
/com  Internal forces at Z = -102.0 LINE 7
/com
nsel,r,loc,z,-1038.1,-101.9
enode,1
nsel,r,loc,z,-101.9,-102.1
spoint,,612.0,-45.0,-102.0
fsum
nelem
/com
/com  Internal forces at Z = -306.0 LINE 6
/com
nsel,r,loc,z,-1038.1,-305.9
enode,1
nsel,r,loc,z,-305.9,-306.1
spoint,,612.0,-45.0,-306.0
fsum
nelem
/com
/com  Internal forces at Z = -510.0 LINE 5
/com
nsel,r,loc,z,-1038.1,-509.9
enode,1
nsel,r,loc,z,-509.9,-510.1
spoint,,612.0,-45.0,-510.0
fsum
nelem
/com
/com  Internal forces at Z = -714.0 LINE 4
/com
nsel,r,loc,z,-1038.1,-713.9
enode,1
nsel,r,loc,z,-713.9,-714.1
spoint,,612.0,-45.0,-714.0
fsum
nelem
```

```
/com
/com  Internal forces at Z = -918.0 LINE 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
nsel,r,loc,z,-917.9,-918.1
spoint,,612.0,-45.0,-918.0
fsum
nelem
/com
/com  Internal forces at Z = -978.0 LINE 2
/com
nsel,r,loc,z,-1038.1,-977.9
enode,1
nsel,r,loc,z,-977.9,-978.1
spoint,,612.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at Z = -1038.0      LINE 1
/com
nsel,r,loc,z,-1037.9,-1038.1
spoint,,612.0,-45.0,-1038.0
fsum
/com ******************************************************************************
/com ******************************************************************************
/com
/COM  SECTION THE PAD IN TO 7 EAST-WEST X-DIRECTION STRIPS
/COM
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -1038 to -918 Lines 1 to 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-978.0
fsum
```

```
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-978.0
fsum
nelem
/com
/com  next strip z = -918 to -714 Lines 3 to 4
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -918 to -714
/com
nsel,r,loc,z,-918.1,-713.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-816.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-816.0
```

```
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-816.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-816.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-816.0
fsum
nelem
/com
/com  next strip z = -714 to -510 Lines 4 to 5
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -714 to -510
/com
nsel,r,loc,z,-714.1,-509.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-612.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
```

```
spoint,,510.0,-45.0,-612.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-612.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-612.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-612.0
fsum
nelem
/com
/com  next strip z = -510 to -306 Lines 5 to 6
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -510 to -306
/com
nsel,r,loc,z,-510.1,-305.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-408.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
```

```
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-408.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-408.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-408.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-408.0
fsum
nelem
/com
/com  next strip z = -306 to -102 Lines 6 to 7
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -306 to -102
/com
nsel,r,loc,z,-306.1,-101.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-204.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
```

```
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-204.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-204.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-204.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-204.0
fsum
nelem
/com
/com  next strip z = -102 to 102 Lines 7 to 8
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -102 to 102
/com
nsel,r,loc,z,-102.1,102.1
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,0.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
```

```
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,0.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,0.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,0.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,0.0
fsum
nelem
/com
/com  next strip z = 102 to 222 Lines 8 to 10
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = 102 to 222
/com
nsel,r,loc,z,101.9,222.1
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
```

```
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,162.0
fsum
eall
nall
/com
/com
/com ********************************************************************************
/com ********************************************************************************
/com *************************  LOAD CASE 6 ***********************************
set,6
/COM
/COM  SECTION THE PAD IN TO 4 NORTH-SOUTH Z-DIRECTION STRIPS
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip Z direction x = -102 to 102 Lines A to B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
/com
/com  Internal forces at Z = 222.0  LINE 10
```

```
/com
nsel,r,loc,z,221.9,222.1
spoint,,0,-45.0,222.0
fsum
nelem
/com
/com  Internal forces at Z = 162.0  LINE 9
/com
nsel,r,loc,z,-1038.1,162.1
enode,1
nsel,r,loc,z,161.9,162.1
spoint,,0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at Z = 102.0  LINE 8
/com
nsel,r,loc,z,-1038.1,102.1
enode,1
nsel,r,loc,z,101.9,102.1
spoint,,0,-45.0,102.0
fsum
nelem
/com
/com  Internal forces at Z = -102.0 LINE 7
/com
nsel,r,loc,z,-1038.1,-101.9
enode,1
nsel,r,loc,z,-101.9,-102.1
spoint,,0,-45.0,-102.0
fsum
nelem
/com
/com  Internal forces at Z = -306.0 LINE 6
/com
nsel,r,loc,z,-1038.1,-305.9
enode,1
nsel,r,loc,z,-305.9,-306.1
spoint,,0,-45.0,-306.0
fsum
nelem
/com
/com  Internal forces at Z = -510.0 LINE 5
/com
nsel,r,loc,z,-1038.1,-509.9
enode,1
nsel,r,loc,z,-509.9,-510.1
spoint,,0,-45.0,-510.0
fsum
nelem
/com
/com  Internal forces at Z = -714.0 LINE 4
/com
```

```
nsel,r,loc,z,-1038.1,-713.9
enode,1
nsel,r,loc,z,-713.9,-714.1
spoint,,0,-45.0,-714.0
fsum
nelem
/com
/com  Internal forces at Z = -918.0 LINE 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
nsel,r,loc,z,-917.9,-918.1
spoint,,0,-45.0,-918.0
fsum
nelem
/com
/com  Internal forces at Z = -978.0 LINE 2
/com
nsel,r,loc,z,-1038.1,-977.9
enode,1
nsel,r,loc,z,-977.9,-978.1
spoint,,0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at Z = -1038.0      LINE 1
/com
nsel,r,loc,z,-1037.9,-1038.1
spoint,,0,-45.0,-1038.0
fsum
/com  next strip x = 102 to 306 Lines B to C
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip Z direction
/com
nsel,r,loc,x,101.9,306.1
enode,1
/com
/com  Internal forces at Z = 222.0  LINE 10
/com
nsel,r,loc,z,221.9,222.1
spoint,,204.0,-45.0,222.0
fsum
nelem
/com
/com  Internal forces at Z = 162.0  LINE 9
/com
nsel,r,loc,z,-1038.1,162.1
enode,1
```

```
nsel,r,loc,z,161.9,162.1
spoint,,204.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at Z = 102.0  LINE 8
/com
nsel,r,loc,z,-1038.1,102.1
enode,1
nsel,r,loc,z,101.9,102.1
spoint,,204.0,-45.0,102.0
fsum
nelem
/com
/com  Internal forces at Z = -102.0 LINE 7
/com
nsel,r,loc,z,-1038.1,-101.9
enode,1
nsel,r,loc,z,-101.9,-102.1
spoint,,204.0,-45.0,-102.0
fsum
nelem
/com
/com  Internal forces at Z = -306.0 LINE 6
/com
nsel,r,loc,z,-1038.1,-305.9
enode,1
nsel,r,loc,z,-305.9,-306.1
spoint,,204.0,-45.0,-306.0
fsum
nelem
/com
/com  Internal forces at Z = -510.0 LINE 5
/com
nsel,r,loc,z,-1038.1,-509.9
enode,1
nsel,r,loc,z,-509.9,-510.1
spoint,,204.0,-45.0,-510.0
fsum
nelem
/com
/com  Internal forces at Z = -714.0 LINE 4
/com
nsel,r,loc,z,-1038.1,-713.9
enode,1
nsel,r,loc,z,-713.9,-714.1
spoint,,204.0,-45.0,-714.0
fsum
nelem
/com
/com  Internal forces at Z = -918.0 LINE 3
/com
nsel,r,loc,z,-1038.1,-917.9
```

```
enode,1
nsel,r,loc,z,-917.9,-918.1
spoint,,204.0,-45.0,-918.0
fsum
nelem
/com
/com  Internal forces at Z = -978.0 LINE 2
/com
nsel,r,loc,z,-1038.1,-977.9
enode,1
nsel,r,loc,z,-977.9,-978.1
spoint,,204.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at Z = -1038.0      LINE 1
/com
nsel,r,loc,z,-1037.9,-1038.1
spoint,,204.0,-45.0,-1038.0
fsum
/com  next strip x = 306 to 510 Lines C to D
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip Z direction
/com
nsel,r,loc,x,305.9,510.1
enode,1
/com
/com  Internal forces at Z = 222.0  LINE 10
/com
nsel,r,loc,z,221.9,222.1
spoint,,408.0,-45.0,222.0
fsum
nelem
/com
/com  Internal forces at Z = 162.0  LINE 9
/com
nsel,r,loc,z,-1038.1,162.1
enode,1
nsel,r,loc,z,161.9,162.1
spoint,,408.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at Z = 102.0  LINE 8
/com
nsel,r,loc,z,-1038.1,102.1
enode,1
nsel,r,loc,z,101.9,102.1
```

```
spoint,,408.0,-45.0,102.0
fsum
nelem
/com
/com  Internal forces at Z = -102.0 LINE 7
/com
nsel,r,loc,z,-1038.1,-101.9
enode,1
nsel,r,loc,z,-101.9,-102.1
spoint,,408.0,-45.0,-102.0
fsum
nelem
/com
/com  Internal forces at Z = -306.0 LINE 6
/com
nsel,r,loc,z,-1038.1,-305.9
enode,1
nsel,r,loc,z,-305.9,-306.1
spoint,,408.0,-45.0,-306.0
fsum
nelem
/com
/com  Internal forces at Z = -510.0 LINE 5
/com
nsel,r,loc,z,-1038.1,-509.9
enode,1
nsel,r,loc,z,-509.9,-510.1
spoint,,408.0,-45.0,-510.0
fsum
nelem
/com
/com  Internal forces at Z = -714.0 LINE 4
/com
nsel,r,loc,z,-1038.1,-713.9
enode,1
nsel,r,loc,z,-713.9,-714.1
spoint,,408.0,-45.0,-714.0
fsum
nelem
/com
/com  Internal forces at Z = -918.0 LINE 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
nsel,r,loc,z,-917.9,-918.1
spoint,,408.0,-45.0,-918.0
fsum
nelem
/com
/com  Internal forces at Z = -978.0 LINE 2
/com
nsel,r,loc,z,-1038.1,-977.9
enode,1
```

```
nsel,r,loc,z,-977.9,-978.1
spoint,,408.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at Z = -1038.0      LINE 1
/com
nsel,r,loc,z,-1037.9,-1038.1
spoint,,408.0,-45.0,-1038.0
fsum
/com  next strip x = 510 to 714 Lines D to E
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip Z direction
/com
nsel,r,loc,x,509.9,714.1
enode,1
/com
/com  Internal forces at Z = 222.0  LINE 10
/com
nsel,r,loc,z,221.9,222.1
spoint,,612.0,-45.0,222.0
fsum
nelem
/com
/com  Internal forces at Z = 162.0  LINE 9
/com
nsel,r,loc,z,-1038.1,162.1
enode,1
nsel,r,loc,z,161.9,162.1
spoint,,612.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at Z = 102.0  LINE 8
/com
nsel,r,loc,z,-1038.1,102.1
enode,1
nsel,r,loc,z,101.9,102.1
spoint,,612.0,-45.0,102.0
fsum
nelem
/com
/com  Internal forces at Z = -102.0 LINE 7
/com
nsel,r,loc,z,-1038.1,-101.9
enode,1
nsel,r,loc,z,-101.9,-102.1
spoint,,612.0,-45.0,-102.0
```

```
fsum
nelem
/com
/com  Internal forces at Z = -306.0 LINE 6
/com
nsel,r,loc,z,-1038.1,-305.9
enode,1
nsel,r,loc,z,-305.9,-306.1
spoint,,612.0,-45.0,-306.0
fsum
nelem
/com
/com  Internal forces at Z = -510.0 LINE 5
/com
nsel,r,loc,z,-1038.1,-509.9
enode,1
nsel,r,loc,z,-509.9,-510.1
spoint,,612.0,-45.0,-510.0
fsum
nelem
/com
/com  Internal forces at Z = -714.0 LINE 4
/com
nsel,r,loc,z,-1038.1,-713.9
enode,1
nsel,r,loc,z,-713.9,-714.1
spoint,,612.0,-45.0,-714.0
fsum
nelem
/com
/com  Internal forces at Z = -918.0 LINE 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
nsel,r,loc,z,-917.9,-918.1
spoint,,612.0,-45.0,-918.0
fsum
nelem
/com
/com  Internal forces at Z = -978.0 LINE 2
/com
nsel,r,loc,z,-1038.1,-977.9
enode,1
nsel,r,loc,z,-977.9,-978.1
spoint,,612.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at Z = -1038.0      LINE 1
/com
nsel,r,loc,z,-1037.9,-1038.1
spoint,,612.0,-45.0,-1038.0
fsum
```

```
/com ******************************************************************************
/com ******************************************************************************
/com
/COM  SECTION THE PAD IN TO 7 EAST-WEST X-DIRECTION STRIPS
/COM
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -1038 to -918 Lines 1 to 3
/com
nsel,r,loc,z,-1038.1,-917.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-978.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-978.0
```

```
fsum
nelem
/com
/com  next strip z = -918 to -714 Lines 3 to 4
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -918 to -714
/com
nsel,r,loc,z,-918.1,-713.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-816.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-816.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-816.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-816.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
```

```
spoint,,-102.0,-45.0,-816.0
fsum
nelem
/com
/com  next strip z = -714 to -510 Lines 4 to 5
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -714 to -510
/com
nsel,r,loc,z,-714.1,-509.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-612.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-612.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-612.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-612.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
```

```
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-612.0
fsum
nelem
/com
/com  next strip z = -510 to -306 Lines 5 to 6
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -510 to -306
/com
nsel,r,loc,z,-510.1,-305.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-408.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-408.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-408.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-408.0
fsum
nelem
/com
/com  Internal forces at x = -102.0 LINE A
```

```
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-408.0
fsum
nelem
/com
/com  next strip z = -306 to -102 Lines 6 to 7
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -306 to -102
/com
nsel,r,loc,z,-306.1,-101.9
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,-204.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,-204.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,-204.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,-204.0
fsum
nelem
/com
```

```
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,-204.0
fsum
nelem
/com
/com  next strip z = -102 to 102 Lines 7 to 8
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = -102 to 102
/com
nsel,r,loc,z,-102.1,102.1
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,0.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,0.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,0.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,0.0
fsum
nelem
```

```
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,0.0
fsum
nelem
/com
/com  next strip z = 102 to 222 Lines 8 to 10
/com
/com
/com  Select all nodes in pad only
/com
esel,type,1
nelem
/com
/com  select strip x direction z = 102 to 222
/com
nsel,r,loc,z,101.9,222.1
enode,1
/com
/com  Internal forces at x = 714.0  LINE E
/com
nsel,r,loc,x,713.9,714.1
spoint,,714.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at x = 510.0  LINE D
/com
nsel,r,loc,x,-102.1,510.1
enode,1
nsel,r,loc,x,509.9,510.1
spoint,,510.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at x = 306.0  LINE C
/com
nsel,r,loc,x,-102.1,306.1
enode,1
nsel,r,loc,x,305.9,306.1
spoint,,306.0,-45.0,162.0
fsum
nelem
/com
/com  Internal forces at x = 102.0  LINE B
/com
nsel,r,loc,x,-102.1,102.1
enode,1
nsel,r,loc,x,101.9,102.1
spoint,,102.0,-45.0,162.0
fsum
```

```
nelem
/com
/com  Internal forces at x = -102.0 LINE A
/com
nsel,r,loc,x,-102.1,-101.9
spoint,,-102.0,-45.0,162.0
fsum
eall
nall
fini
/output
/exit
```

Below is the ANSYS output file for pad internal forces for the soft rock analyses.

```
*******************************************************************************
*******************************************************************************
*******************************************************************************
*******************************************************************************
*******************************************************************************
*******************************************************************************

************************ Soft Rock Results ******************************


CURRENT JOBNAME REDEFINED AS dcslabs2

RESUME ANSYS DATA FROM FILE NAME=dcslabs2.db

*** ANSYS GLOBAL STATUS ***

TITLE = Pad, Gravity, 20 Casks, Soft Rock
ANALYSIS TYPE =  STATIC (STEADY-STATE)
NUMBER OF ELEMENT TYPES =       6
  15348 ELEMENTS CURRENTLY SELECTED.  MAX ELEMENT NUMBER =    33177
  17051 NODES CURRENTLY SELECTED.     MAX NODE NUMBER =       17051
    259 KEYPOINTS CURRENTLY SELECTED. MAX KEYPOINT NUMBER =     259
    250 LINES CURRENTLY SELECTED.     MAX LINE NUMBER =         396
    181 AREAS CURRENTLY SELECTED.     MAX AREA NUMBER =         295
     70 VOLUMES CURRENTLY SELECTED.   MAX VOL. NUMBER =          70
    11 COMPONENTS CURRENTLY DEFINED
MAXIMUM LINEAR PROPERTY NUMBER        =       5
MAXIMUM REAL CONSTANT SET NUMBER      =       6
ACTIVE COORDINATE SYSTEM              =       0  (CARTESIAN)
MAXIMUM CONSTRAINT EQUATION NUMBER    =    4620
NUMBER OF SPECIFIED CONSTRAINTS       =    2193
NUMBER OF NODAL LOADS                 =    1080

INITIAL JOBNAME = dcslabs2
CURRENT JOBNAME = dcslabs2


PRINT HEADER
DO NOT PRINT SUBTITLE(S)
DO NOT PRINT LOAD STEP ID
DO NOT PRINT NOTE LINE(S)
PRINT COLUMN HEADER LABELS
DO NOT PRINT REPORT TOTALS

***** ANSYS - ENGINEERING ANALYSIS SYSTEM  RELEASE 5.7     *****
ANSYS/Structural U
00150104          VERSION=INTEL NT      16:59:27  JUL 10, 2001 CP=      2.514

Pad, Gravity, 20 Casks, Soft Rock
```

```
          ***** ANSYS RESULTS INTERPRETATION (POST1) *****

 ENTER   /SHOW,DEVICE-NAME   TO ENABLE GRAPHIC DISPLAY
 ENTER   FINISH              TO LEAVE POST1

 *** NOTE ***                                CP=      2.514   TIME= 16:59:27
 Reading results into the database (SET command) will update the current
  displacement and force boundary conditions in the database with the
  values from the results file for that load set.  Note that any
  subsequent solutions will use these values unless action is taken to
  either SAVE the current values or not overwrite them (/EXIT,NOSAVE).

    15348  ELEMENTS (OF    15348  DEFINED) SELECTED BY  EALL  COMMAND.

    17051  NODES (OF    17051  DEFINED) SELECTED BY NALL  COMMAND.

 ********************************************************************************
 ********************************************************************************
 ************************  LOAD CASE 2 **********************************

 USE LOAD STEP     2  SUBSTEP      0  FOR LOAD CASE 0

 SET COMMAND GOT LOAD STEP=      2  SUBSTEP=      1  CUMULATIVE ITERATION=     17
   TIME/FREQUENCY=  2.0000
 TITLE= Pad, HE(1), 20 Casks, 515 Kips North (Z), Soft Rock

 SECTION THE PAD IN TO 4 NORTH-SOUTH Z-DIRECTION STRIPS

 Select all nodes in pad only


 ESEL  FOR LABEL= TYPE  FROM      1 TO      1 BY     1

     9056  ELEMENTS (OF    15348  DEFINED) SELECTED BY  ESEL  COMMAND.

 SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    11550 NODES (OF    17051  DEFINED) SELECTED FROM
     9056 SELECTED ELEMENTS BY NELE COMMAND.

 select strip Z direction x = -102 to 102 Lines A to B


 RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND    102.10
   KABS=  0.  TOLERANCE= 0.204200E-05

     3000  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

 SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     2830 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     3000 SELECTED NODES BY  ENOD COMMAND.
```

```
Internal forces at Z = 222.0 LINE 10


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN  221.90      AND   222.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    0.00000       -45.0000        222.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -211729.4
 FY   =   -479342.0
 FZ   =    984455.9
 MX   = -0.4433038E+08
 MY   =  0.1245954E+08
 MZ   =    1103249.

SUMMATION POINT=  0.0000      -45.000       222.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    3000 NODES (OF     17051  DEFINED) SELECTED FROM
    2830 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = 162.0 LINE 9


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND   162.10
  KABS=  0.  TOLERANCE= 0.120020E-04

    2975  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2810 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
    2975 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN  161.90      AND   162.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    0.00000       -45.0000        162.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -281469.7
 FY   =   -532371.0
 FZ   =    941640.8
 MX   = -0.1968164E+08
```

```
 MY   =   0.1924392E+08
 MZ   =    2721030.

SUMMATION POINT=  0.0000      -45.000       162.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2975 NODES (OF    17051  DEFINED) SELECTED FROM
    2810 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = 102.0 LINE 8


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND    102.10
  KABS=  0.  TOLERANCE= 0.114020E-04

    2950  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2790 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2950 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN  101.90      AND    102.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   0.00000      -45.0000       102.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -343892.5
 FY   =   -527383.2
 FZ   =    971263.2
 MX   =    4488084.
 MY   =  0.1714629E+08
 MZ   =    4060379.

SUMMATION POINT=  0.0000      -45.000       102.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2950 NODES (OF    17051  DEFINED) SELECTED FROM
    2790 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -102.0 LINE 7


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND   -101.90
  KABS=  0.  TOLERANCE= 0.936200E-05

    2375  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.
```

```
SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2240 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2375 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -102.10     AND  -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   0.00000      -45.0000      -102.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -379662.6
 FY   =   -549967.2
 FZ   =    776479.0
 MX   =   -900394.9
 MY   =  0.1213063E+08
 MZ   =    6302848.

SUMMATION POINT=  0.0000     -45.000     -102.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2375 NODES (OF    17051  DEFINED) SELECTED FROM
    2240 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -306.0 LINE 6


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -305.90
  KABS=  0.  TOLERANCE= 0.732200E-05

    1800  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1690 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1800 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -306.10     AND  -305.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   0.00000      -45.0000      -306.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -365775.0
 FY   =   -568400.5
```

```
 FZ  =    488621.7
 MX  =    576226.2
 MY  =    8883580.
 MZ  =    7418229.

SUMMATION POINT=  0.0000      -45.000      -306.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1800 NODES (OF    17051  DEFINED) SELECTED FROM
    1690 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -510.0 LINE 5


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -509.90
  KABS=  0.  TOLERANCE= 0.528200E-05

    1225  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1140 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1225 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -510.10     AND  -509.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   0.00000      -45.0000      -510.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX  =  -363392.5
 FY  =  -625311.5
 FZ  =   202110.9
 MX  =   8951040.
 MY  =   7404930.
 MZ  =  0.1004557E+08

SUMMATION POINT=  0.0000      -45.000      -510.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1225 NODES (OF    17051  DEFINED) SELECTED FROM
    1140 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -714.0 LINE 4


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -713.90
  KABS=  0.  TOLERANCE= 0.324200E-05
```

```
     650  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     590 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
     650 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -714.10      AND  -713.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    0.00000       -45.0000       -714.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -350028.7
 FY   =   -731078.4
 FZ   =   -97228.87
 MX   =   0.3333076E+08
 MY   =    5050724.
 MZ   =   0.1001106E+08

SUMMATION POINT=  0.0000      -45.000      -714.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     650 NODES (OF     17051  DEFINED) SELECTED FROM
     590 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -918.0 LINE 3


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -917.90
  KABS=  0.  TOLERANCE= 0.120200E-05

      75  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      40 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
      75 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -918.10      AND  -917.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    0.00000       -45.0000       -918.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
```

```
 FX   =   -205929.7
 FY   =   -176465.3
 FZ   =   -460244.1
 MX   =   0.1646063E+08
 MY   =   -1406299.
 MZ   =    841486.8

SUMMATION POINT=  0.0000      -45.000      -918.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      75 NODES (OF     17051  DEFINED) SELECTED FROM
      40 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -978.0 LINE 2


RESELECT      FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -977.90
  KABS=  0.  TOLERANCE= 0.602000E-06

      50  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      20 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
      50 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z     BETWEEN -978.10     AND  -977.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   0.00000      -45.0000      -978.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -101231.1
 FY   =   -88101.50
 FZ   =   -528562.5
 MX   =   0.2419209E+08
 MY   =   -1126459.
 MZ   =   -845763.2

SUMMATION POINT=  0.0000      -45.000      -978.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      50 NODES (OF     17051  DEFINED) SELECTED FROM
      20 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -1038.0 LINE 1
```

```
RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -1037.9
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    0.00000       -45.0000       -1038.00

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    101231.1
 FY   =    11601.50
 FZ   =    605827.5
 MX   = -0.2718318E+08
 MY   =    7200327.
 MZ   =    845763.2

SUMMATION POINT=  0.0000      -45.000      -1038.0
next strip x = 102 to 306 Lines B to C

Select all nodes in pad only


ESEL  FOR LABEL= TYPE  FROM      1 TO      1 BY     1

    9056  ELEMENTS (OF     15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

   11550 NODES (OF     17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip Z direction


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  101.90      AND   306.10
  KABS=  0.  TOLERANCE= 0.204200E-05

    3000  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2830 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
    3000 SELECTED NODES BY  ENOD COMMAND.

Internal forces at Z = 222.0 LINE 10


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN  221.90      AND   222.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
```

```
MOMENT SUMMATION LOCATION=   204.000      -45.0000       222.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -20232.76
 FY   =   -430236.6
 FZ   =    921036.1
 MX   = -0.4141676E+08
 MY   =    210874.5
 MZ   =   -1242178.

SUMMATION POINT=  204.00      -45.000      222.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    3000 NODES (OF    17051  DEFINED) SELECTED FROM
    2830 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = 162.0 LINE 9


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND   162.10
  KABS=  0.  TOLERANCE= 0.120020E-04

    2975  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2810 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2975 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN  161.90     AND   162.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   204.000      -45.0000       162.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -30462.13
 FY   =   -469565.2
 FZ   =    785822.2
 MX   = -0.1502333E+08
 MY   =    630099.6
 MZ   =   -991940.9

SUMMATION POINT=  204.00      -45.000      162.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2975 NODES (OF    17051  DEFINED) SELECTED FROM
    2810 SELECTED ELEMENTS BY NELE COMMAND.
```

```
Internal forces at Z = 102.0 LINE 8


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND   102.10
  KABS=  0.  TOLERANCE= 0.114020E-04

    2950  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2790 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2950 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN  101.90      AND   102.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    204.000       -45.0000        102.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -56720.05
 FY   =   -436497.4
 FZ   =    778974.1
 MX   =    8354419.
 MY   =    1193292.
 MZ   =   -886040.7

SUMMATION POINT=  204.00      -45.000       102.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2950 NODES (OF    17051  DEFINED) SELECTED FROM
    2790 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -102.0 LINE 7


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -101.90
  KABS=  0.  TOLERANCE= 0.936200E-05

    2375  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2240 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2375 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -102.10      AND  -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.
```

```
NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   204.000      -45.0000      -102.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -118717.9
 FY   =   -440868.5
 FZ   =    632337.2
 MX   =    1854746.
 MY   =    3478415.
 MZ   =   -101472.9

SUMMATION POINT=  204.00     -45.000     -102.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2375 NODES (OF    17051  DEFINED) SELECTED FROM
    2240 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -306.0 LINE 6


RESELECT      FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -305.90
  KABS=  0.  TOLERANCE= 0.732200E-05

    1800  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1690 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1800 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z     BETWEEN -306.10     AND  -305.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   204.000      -45.0000      -306.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -118952.9
 FY   =   -453052.0
 FZ   =    447515.6
 MX   =    3581983.
 MY   =    2872357.
 MZ   =    300876.3

SUMMATION POINT=  204.00     -45.000     -306.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1800 NODES (OF    17051  DEFINED) SELECTED FROM
```

```
    1690 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -510.0 LINE 5


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -509.90
  KABS=  0.  TOLERANCE= 0.528200E-05

    1225  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1140 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1225 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -510.10      AND  -509.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   204.000       -45.0000       -510.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =  -116771.3
 FY   =  -490994.8
 FZ   =   238015.8
 MX   =  0.1273772E+08
 MY   =   2006558.
 MZ   =   759819.9

SUMMATION POINT=  204.00      -45.000      -510.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1225 NODES (OF    17051  DEFINED) SELECTED FROM
    1140 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -714.0 LINE 4


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -713.90
  KABS=  0.  TOLERANCE= 0.324200E-05

     650  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     590 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     650 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -714.10      AND  -713.90
  KABS=  0.  TOLERANCE= 0.200000E-08
```

```
      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   204.000      -45.0000      -714.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =  -105407.8
 FY   =  -634148.6
 FZ   =   8119.481
 MX   =  0.3452167E+08
 MY   =   1439735.
 MZ   =   118902.9

SUMMATION POINT=  204.00      -45.000      -714.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     650 NODES (OF    17051  DEFINED) SELECTED FROM
     590 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -918.0 LINE 3


RESELECT      FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -917.90
  KABS=  0.  TOLERANCE= 0.120200E-05

      75  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      40 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
      75 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z     BETWEEN -918.10     AND  -917.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   204.000      -45.0000      -918.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =  -28864.67
 FY   =  -129534.8
 FZ   =  -343547.3
 MX   =  0.1525769E+08
 MY   =   938485.6
 MZ   =  -713583.1

SUMMATION POINT=  204.00      -45.000      -918.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.
```

```
      75 NODES (OF    17051  DEFINED) SELECTED FROM
      40 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -978.0 LINE 2


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -977.90
  KABS=  0.  TOLERANCE= 0.602000E-06

      50  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      20 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
      50 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -978.10      AND  -977.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   204.000       -45.0000       -978.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -4677.616
 FY   =   -64898.52
 FZ   =   -473991.7
 MX   =  0.2328670E+08
 MY   =    253799.7
 MZ   =   -508065.3

SUMMATION POINT=  204.00      -45.000      -978.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      50 NODES (OF    17051  DEFINED) SELECTED FROM
      20 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -1038.0 LINE 1


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -1037.9
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   204.000       -45.0000       -1038.00

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    4677.616
```

```
 FY   =  -11601.48
 FZ   =   551256.7
 MX   = -0.2488561E+08
 MY   =   26857.31
 MZ   =   508065.3

SUMMATION POINT=  204.00      -45.000      -1038.0
next strip x = 306 to 510 Lines C to D

Select all nodes in pad only


ESEL  FOR LABEL= TYPE  FROM     1 TO     1 BY    1

    9056  ELEMENTS (OF    15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

   11550 NODES (OF    17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip Z direction


RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN  305.90     AND   510.10
  KABS=  0.  TOLERANCE= 0.204200E-05

    3000  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2830 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    3000 SELECTED NODES BY  ENOD COMMAND.

Internal forces at Z = 222.0 LINE 10


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN  221.90     AND   222.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   408.000      -45.0000       222.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   20232.67
 FY   =  -430236.5
 FZ   =   921036.0
 MX   = -0.4141676E+08
 MY   =  -210877.2
 MZ   =   1242162.
```

```
SUMMATION POINT=  408.00      -45.000       222.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    3000 NODES (OF    17051  DEFINED) SELECTED FROM
    2830 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = 162.0 LINE 9


RESELECT     FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND   162.10
  KABS=  0.  TOLERANCE= 0.120020E-04

    2975  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2810 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2975 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z      BETWEEN  161.90      AND   162.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   408.000       -45.0000       162.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    30462.08
 FY   =   -469565.2
 FZ   =    785822.2
 MX   = -0.1502333E+08
 MY   =   -630101.3
 MZ   =    991938.9

.SUMMATION POINT=  408.00      -45.000       162.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2975 NODES (OF    17051  DEFINED) SELECTED FROM
    2810 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = 102.0 LINE 8


RESELECT     FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND   102.10
  KABS=  0.  TOLERANCE= 0.114020E-04

    2950  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.
```

```
    2790 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2950 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN  101.90     AND   102.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   408.000      -45.0000       102.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    56720.02
 FY   =   -436497.4
 FZ   =    778974.2
 MX   =    8354417.
 MY   =   -1193284.
 MZ   =    886044.2

SUMMATION POINT=  408.00     -45.000      102.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2950 NODES (OF    17051  DEFINED) SELECTED FROM
    2790 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -102.0 LINE 7


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -101.90
  KABS=  0.  TOLERANCE= 0.936200E-05

    2375  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2240 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2375 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -102.10     AND  -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   408.000      -45.0000      -102.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    118717.8
 FY   =   -440868.4
 FZ   =    632337.2
 MX   =    1854747.
 MY   =   -3478415.
```

```
 MZ  =    101472.8

SUMMATION POINT=  408.00      -45.000      -102.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2375 NODES (OF     17051  DEFINED) SELECTED FROM
    2240 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -306.0 LINE 6


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -305.90
  KABS=  0.  TOLERANCE= 0.732200E-05

    1800  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1690 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
    1800 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -306.10      AND  -305.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=         0
MOMENT SUMMATION LOCATION=    408.000       -45.0000       -306.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX  =    118952.8
 FY  =   -453051.9
 FZ  =    447515.6
 MX  =    3581985.
 MY  =   -2872358.
 MZ  =   -300874.5

SUMMATION POINT=  408.00      -45.000      -306.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1800 NODES (OF     17051  DEFINED) SELECTED FROM
    1690 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -510.0 LINE 5


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -509.90
  KABS=  0.  TOLERANCE= 0.528200E-05

    1225  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.
```

```
SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1140 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1225 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -510.10     AND  -509.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   408.000      -45.0000      -510.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    116771.3
 FY   =   -490994.7
 FZ   =    238015.8
 MX   =  0.1273772E+08
 MY   =   -2006556.
 MZ   =   -759822.5

SUMMATION POINT=  408.00     -45.000     -510.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1225 NODES (OF    17051  DEFINED) SELECTED FROM
    1140 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -714.0 LINE 4


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -713.90
  KABS=  0.  TOLERANCE= 0.324200E-05

     650  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     590 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     650 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -714.10     AND  -713.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   408.000      -45.0000      -714.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    105407.8
 FY   =   -634148.4
 FZ   =    8119.548
```

```
 MX   =  0.3452167E+08
 MY   =  -1439726.
 MZ   =  -118924.9

SUMMATION POINT=  408.00      -45.000      -714.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      650 NODES (OF     17051  DEFINED) SELECTED FROM
      590 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -918.0 LINE 3


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -917.90
  KABS=  0.  TOLERANCE= 0.120200E-05

       75  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

       40 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
       75 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -918.10      AND  -917.90
  KABS=  0.  TOLERANCE= 0.200000E-08

       25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=         0
MOMENT SUMMATION LOCATION=    408.000       -45.0000       -918.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    28864.65
 FY   =   -129534.7
 FZ   =   -343547.4
 MX   =  0.1525769E+08
 MY   =   -938485.9
 MZ   =    713576.2

SUMMATION POINT=  408.00      -45.000      -918.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

       75 NODES (OF     17051  DEFINED) SELECTED FROM
       40 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -978.0 LINE 2


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -977.90
  KABS=  0.  TOLERANCE= 0.602000E-06
```

```
      50  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      20 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
      50 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -978.10     AND  -977.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   408.000      -45.0000      -978.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    4677.559
 FY   =   -64898.49
 FZ   =   -473991.7
 MX   =   0.2328670E+08
 MY   =   -253796.4
 MZ   =    508060.1

SUMMATION POINT=  408.00     -45.000     -978.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      50 NODES (OF    17051  DEFINED) SELECTED FROM
      20 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -1038.0 LINE 1


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -1037.9
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   408.000      -45.0000      -1038.00

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -4677.559
 FY   =   -11601.51
 FZ   =    551256.7
 MX   = -0.2488561E+08
 MY   =   -26857.16
 MZ   =   -508060.1

SUMMATION POINT=  408.00     -45.000     -1038.0
next strip x = 510 to 714 Lines D to E

Select all nodes in pad only
```

```
ESEL  FOR LABEL= TYPE  FROM      1 TO      1 BY     1

    9056  ELEMENTS (OF    15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

   11550 NODES (OF    17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip Z direction


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  509.90      AND    714.10
  KABS=  0.  TOLERANCE= 0.204200E-05

    3000  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2830 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    3000 SELECTED NODES BY  ENOD COMMAND.

Internal forces at Z = 222.0 LINE 10


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN  221.90      AND    222.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    612.000       -45.0000        222.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    211729.3
 FY   =   -479342.0
 FZ   =    984455.9
 MX   = -0.4433038E+08
 MY   = -0.1245954E+08
 MZ   =   -1103253.

SUMMATION POINT=  612.00      -45.000       222.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    3000 NODES (OF    17051  DEFINED) SELECTED FROM
    2830 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = 162.0 LINE 9
```

```
RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND   162.10
  KABS=  0.  TOLERANCE= 0.120020E-04

    2975  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2810 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2975 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN  161.90     AND   162.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   612.000      -45.0000       162.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    281469.6
 FY   =   -532371.0
 FZ   =    941640.8
 MX   = -0.1968164E+08
 MY   = -0.1924391E+08
 MZ   =   -2721031.

SUMMATION POINT=  612.00     -45.000      162.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2975 NODES (OF    17051  DEFINED) SELECTED FROM
    2810 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = 102.0 LINE 8


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND   102.10
  KABS=  0.  TOLERANCE= 0.114020E-04

    2950  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2790 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2950 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN  101.90     AND   102.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   612.000      -45.0000       102.000
```

```
***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    343892.4
 FY   =   -527383.1
 FZ   =    971263.2
 MX   =    4488084.
 MY   = -0.1714629E+08
 MZ   =   -4060379.

SUMMATION POINT=  612.00      -45.000       102.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2950 NODES (OF     17051  DEFINED) SELECTED FROM
    2790 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -102.0 LINE 7


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -101.90
  KABS=  0.  TOLERANCE= 0.936200E-05

    2375  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2240 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
    2375 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -102.10      AND  -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=         0
MOMENT SUMMATION LOCATION=    612.000       -45.0000       -102.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    379662.5
 FY   =   -549967.2
 FZ   =    776479.0
 MX   =   -900394.6
 MY   = -0.1213063E+08
 MZ   =   -6302846.

SUMMATION POINT=  612.00      -45.000      -102.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2375 NODES (OF     17051  DEFINED) SELECTED FROM
    2240 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -306.0 LINE 6
```

```
RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -305.90
  KABS=  0.  TOLERANCE= 0.732200E-05

    1800  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1690 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1800 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -306.10     AND  -305.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    612.000      -45.0000      -306.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    365774.9
 FY   =   -568400.4
 FZ   =    488621.7
 MX   =    576226.6
 MY   =   -8883577.
 MZ   =   -7418229.

SUMMATION POINT=  612.00     -45.000     -306.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1800 NODES (OF    17051  DEFINED) SELECTED FROM
    1690 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -510.0 LINE 5


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -509.90
  KABS=  0.  TOLERANCE= 0.528200E-05

    1225  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1140 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1225 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -510.10     AND  -509.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.
```

```
NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    612.000       -45.0000       -510.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    363392.4
 FY   =   -625311.5
 FZ   =    202110.8
 MX   =    8951040.
 MY   =   -7404928.
 MZ   = -0.1004557E+08

SUMMATION POINT=  612.00      -45.000      -510.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1225 NODES (OF     17051  DEFINED) SELECTED FROM
    1140 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -714.0 LINE 4


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -713.90
  KABS=  0.  TOLERANCE= 0.324200E-05

     650  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     590 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
     650 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -714.10      AND  -713.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    612.000       -45.0000       -714.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    350028.7
 FY   =   -731078.4
 FZ   =   -97228.96
 MX   =   0.3333076E+08
 MY   =   -5050722.
 MZ   = -0.1001106E+08

SUMMATION POINT=  612.00      -45.000      -714.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     650 NODES (OF     17051  DEFINED) SELECTED FROM
     590 SELECTED ELEMENTS BY NELE COMMAND.
```

```
Internal forces at Z = -918.0 LINE 3


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -917.90
  KABS=  0.  TOLERANCE= 0.120200E-05

      75  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      40 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
      75 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -918.10      AND  -917.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    612.000       -45.0000       -918.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    205929.7
 FY   =   -176465.3
 FZ   =   -460244.2
 MX   =  0.1646063E+08
 MY   =    1406301.
 MZ   =   -841487.7

SUMMATION POINT=  612.00      -45.000      -918.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      75 NODES (OF    17051  DEFINED) SELECTED FROM
      40 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -978:0 LINE 2


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -977.90
  KABS=  0.  TOLERANCE= 0.602000E-06

      50  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      20 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
      50 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -978.10      AND  -977.90
  KABS=  0.  TOLERANCE= 0.200000E-08
```

```
      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    612.000       -45.0000       -978.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    101231.1
 FY   =   -88101.50
 FZ   =   -528562.5
 MX   =   0.2419209E+08
 MY   =    1126462.
 MZ   =    845761.5

SUMMATION POINT=  612.00      -45.000      -978.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      50 NODES (OF     17051  DEFINED) SELECTED FROM
      20 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -1038.0 LINE 1


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -1037.9
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    612.000       -45.0000       -1038.00

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -101231.1
 FY   =    11601.50
 FZ   =    605827.5
 MX   =  -0.2718318E+08
 MY   =   -7200326.
 MZ   =   -845761.5

SUMMATION POINT=  612.00      -45.000      -1038.0
*****************************************************************************
*****************************************************************************

SECTION THE PAD IN TO 7 EAST-WEST X-DIRECTION STRIPS

Select all nodes in pad only


ESEL  FOR LABEL= TYPE  FROM      1 TO      1 BY     1

    9056  ELEMENTS (OF     15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.
```

```
   11550 NODES (OF    17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip x direction z = -1038 to -918 Lines 1 to 3


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -917.90
  KABS=  0.  TOLERANCE= 0.120200E-05

     255  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     160 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     255 SELECTED NODES BY  ENOD COMMAND.

Internal forces at x = 714.0 LINE E


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  713.90      AND   714.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      15  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   714.000       -45.0000       -978.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    69140.97
 FY   =   -55217.86
 FZ   =    268029.5
 MX   = -0.1022428E+08
 MY   =    4556064.
 MZ   =    1778811.

SUMMATION POINT=  714.00      -45.000      -978.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     255 NODES (OF    17051  DEFINED) SELECTED FROM
     160 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 510.0 LINE D


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND   510.10
  KABS=  0.  TOLERANCE= 0.612200E-05

     195  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.
```

```
     120 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     195 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  509.90      AND    510.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      15  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    510.000       -45.0000       -978.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    270127.5
 FY   =   -31070.66
 FZ   =    36234.34
 MX   =   -1247368.
 MY   =   -1772166.
 MZ   =   -3922969.

SUMMATION POINT=  510.00      -45.000      -978.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     195 NODES (OF    17051  DEFINED) SELECTED FROM
     120 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 306.0 LINE C


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND    306.10
  KABS=  0.  TOLERANCE= 0.408200E-05

     135  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      80 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     135 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  305.90      AND    306.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      15  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    306.000       -45.0000       -978.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    311039.5
 FY   =   -4693.022
 FZ   =    16406.56
 MX   =   -225057.1
 MY   =   -2020915.
```

```
 MZ   =  -5851179.

SUMMATION POINT=  306.00      -45.000      -978.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     135 NODES (OF    17051  DEFINED) SELECTED FROM
      80 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 102.0 LINE B


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND   102.10
  KABS=  0.  TOLERANCE= 0.204200E-05

      75  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      40 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
      75 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  101.90      AND   102.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      15  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   102.000       -45.0000       -978.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    243769.3
 FY   =    22875.45
 FZ   =   -10284.46
 MX   =    1184955.
 MY   =   -3157534.
 MZ   =   -4296744.

SUMMATION POINT=  102.00      -45.000      -978.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      75 NODES (OF    17051  DEFINED) SELECTED FROM
      40 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = -102.0 LINE A


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND  -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      15  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.
```

```
NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=  -102.000       -45.0000       -978.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -69140.99
 FY   =   -55217.87
 FZ   =    268029.5
 MX   = -0.1022428E+08
 MY   =   -4556066.
 MZ   =   -1778811.

SUMMATION POINT= -102.00      -45.000      -978.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      75 NODES (OF     17051  DEFINED) SELECTED FROM
      40 SELECTED ELEMENTS BY NELE COMMAND.

next strip z = -918 to -714 Lines 3 to 4


Select all nodes in pad only


ESEL  FOR LABEL= TYPE  FROM      1 TO      1 BY     1

    9056  ELEMENTS (OF     15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

   11550 NODES (OF     17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip x direction z = -918 to -714


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -918.10      AND  -713.90
  KABS=  0.  TOLERANCE= 0.204200E-05

    2310  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2200 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
    2310 SELECTED NODES BY  ENOD COMMAND.

Internal forces at x = 714.0 LINE E


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  713.90      AND   714.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.
```

```
NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    714.000       -45.0000       -816.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    59429.43
 FY   =   -104528.2
 FZ   =    499652.5
 MX   =    4332700.
 MY   =  0.1417184E+08
 MZ   =    1889824.

SUMMATION POINT=  714.00      -45.000      -816.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2310 NODES (OF     17051  DEFINED) SELECTED FROM
    2200 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 510.0 LINE D


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND    510.10
  KABS=  0.  TOLERANCE= 0.612200E-05

    1740  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1650 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
    1740 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  509.90      AND    510.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    510.000       -45.0000       -816.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    211323.7
 FY   =   -81249.68
 FZ   =    222999.3
 MX   =    8202403.
 MY   =    2383848.
 MZ   =   -8350719.

SUMMATION POINT=  510.00      -45.000      -816.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1740 NODES (OF     17051  DEFINED) SELECTED FROM
```

```
    1650 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 306.0 LINE C


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND   306.10
  KABS=  0.  TOLERANCE= 0.408200E-05

    1170  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1100 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1170 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  305.90      AND   306.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   306.000       -45.0000       -816.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    280348.6
 FY   =   -55875.08
 FZ   =    51830.22
 MX   =    8314007.
 MY   =   -3001185.
 MZ   = -0.1073972E+08

SUMMATION POINT=  306.00      -45.000      -816.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1170 NODES (OF    17051  DEFINED) SELECTED FROM
    1100 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 102.0 LINE B


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND   102.10
  KABS=  0.  TOLERANCE= 0.204200E-05

     600  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     550 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     600 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  101.90      AND   102.10
  KABS=  0.  TOLERANCE= 0.200000E-08
```

```
      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   102.000      -45.0000      -816.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    185684.5
 FY   =   -28073.29
 FZ   =   -129646.9
 MX   =    7906007.
 MY   =   -5635848.
 MZ   =   -7574883.

SUMMATION POINT=  102.00     -45.000     -816.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     600 NODES (OF    17051  DEFINED) SELECTED FROM
     550 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = -102.0 LINE A


RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN -102.10     AND  -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=  -102.000      -45.0000      -816.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -59429.46
 FY   =   -104528.2
 FZ   =    499652.5
 MX   =    4332699.
 MY   = -0.1417184E+08
 MZ   =   -1889825.

SUMMATION POINT= -102.00     -45.000     -816.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     600 NODES (OF    17051  DEFINED) SELECTED FROM
     550 SELECTED ELEMENTS BY NELE COMMAND.

next strip z = -714 to -510 Lines 4 to 5


Select all nodes in pad only
```

```
ESEL  FOR LABEL= TYPE  FROM     1 TO     1 BY    1

    9056  ELEMENTS (OF    15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

   11550 NODES (OF    17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip x direction z = -714 to -510


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -714.10     AND  -509.90
  KABS=  0.  TOLERANCE= 0.204200E-05

    2310  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2200 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2310 SELECTED NODES BY  ENOD COMMAND.

Internal forces at x = 714.0 LINE E


RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN  713.90     AND   714.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   714.000      -45.0000      -612.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    119873.5
 FY   =   -176353.0
 FZ   =    556497.3
 MX   =    3751285.
 MY   =  0.1604901E+08
 MZ   =    5555787.

SUMMATION POINT=  714.00     -45.000     -612.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2310 NODES (OF    17051  DEFINED) SELECTED FROM
    2200 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 510.0 LINE D


RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN -102.10     AND   510.10
  KABS=  0.  TOLERANCE= 0.612200E-05
```

```
    1740  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1650 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1740 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X     BETWEEN  509.90     AND   510.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    510.000      -45.0000      -612.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    182823.8
 FY   =   -37719.88
 FZ   =    274125.2
 MX   =    8231504.
 MY   =    6830397.
 MZ   =   -7976190.

SUMMATION POINT=  510.00     -45.000     -612.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1740 NODES (OF    17051  DEFINED) SELECTED FROM
    1650 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 306.0 LINE C


RESELECT      FOR ITEM=LOC  COMPONENT=X     BETWEEN -102.10     AND   306.10
  KABS=  0.  TOLERANCE= 0.408200E-05

    1170  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1100 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1170 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X     BETWEEN  305.90     AND   306.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    306.000      -45.0000      -612.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
```

```
 FX   =    208770.2
 FY   =   -15419.61
 FZ   =    42746.69
 MX   =    6985590.
 MY   =    610429.7
 MZ   =   -8936599.

SUMMATION POINT=  306.00      -45.000      -612.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1170 NODES (OF     17051  DEFINED) SELECTED FROM
    1100 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 102.0 LINE B


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND    102.10
  KABS=  0.  TOLERANCE= 0.204200E-05

     600  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     550 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
     600 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  101.90      AND    102.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    102.000       -45.0000       -612.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    182341.9
 FY   =    12083.55
 FZ   =   -178738.2
 MX   =    5311610.
 MY   =   -4717460.
 MZ   =   -7876086.

SUMMATION POINT=  102.00      -45.000      -612.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     600 NODES (OF     17051  DEFINED) SELECTED FROM
     550 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = -102.0 LINE A
```

```
RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND  -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=  -102.000       -45.0000       -612.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -119873.5
 FY   =   -176353.1
 FZ   =    556497.5
 MX   =    3751283.
 MY   = -0.1604902E+08
 MZ   =   -5555787..

SUMMATION POINT= -102.00      -45.000      -612.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     600 NODES (OF    17051  DEFINED) SELECTED FROM
     550 SELECTED ELEMENTS BY NELE COMMAND.

next strip z = -510 to -306 Lines 5 to 6


Select all nodes in pad only


ESEL  FOR LABEL= TYPE  FROM     1 TO     1 BY    1

    9056  ELEMENTS (OF    15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

   11550 NODES (OF    17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip x direction z = -510 to -306


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -510.10      AND  -305.90
  KABS=  0.  TOLERANCE= 0.204200E-05

    2310  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2200 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2310 SELECTED NODES BY  ENOD COMMAND.

Internal forces at x = 714.0 LINE E
```

```
RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  713.90      AND    714.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    714.000       -45.0000       -408.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    130020.7
 FY   =   -185489.4
 FZ   =    564896.6
 MX   =    537427.0
 MY   =   0.1566838E+08
 MZ   =    5975053.

SUMMATION POINT=  714.00      -45.000      -408.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2310 NODES (OF     17051  DEFINED) SELECTED FROM
    2200 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 510.0 LINE D


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND    510.10
  KABS=  0.  TOLERANCE= 0.612200E-05

    1740  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1650 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
    1740 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  509.90      AND    510.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    510.000       -45.0000       -408.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    194516.6
 FY   =   -41193.90
 FZ   =    274876.3
 MX   =    7204717.
 MY   =    7319704.
 MZ   =   -7447854.
```

```
SUMMATION POINT=  510.00      -45.000      -408.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1740 NODES (OF    17051  DEFINED) SELECTED FROM
    1650 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 306.0 LINE C


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND   306.10
  KABS=  0.  TOLERANCE= 0.408200E-05

    1170  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1100 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1170 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  305.90      AND   306.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   306.000       -45.0000       -408.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    215521.9
 FY   =   -18372.35
 FZ   =    39862.06
 MX   =    6575719.
 MY   =    1436417.
 MZ   =   -8006198.

SUMMATION POINT=  306.00      -45.000      -408.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1170 NODES (OF    17051  DEFINED) SELECTED FROM
    1100 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 102.0 LINE B


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND   102.10
  KABS=  0.  TOLERANCE= 0.204200E-05

     600  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.
```

```
     550 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     600 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  101.90      AND   102.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   102.000       -45.0000       -408.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    191851.1
 FY   =    11885.00
 FZ   =   -182969.0
 MX   =    6011585.
 MY   =   -4503322.
 MZ   =   -7733355.

SUMMATION POINT=  102.00      -45.000      -408.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     600 NODES (OF    17051  DEFINED) SELECTED FROM
     550 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = -102.0 LINE A


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND  -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=  -102.000       -45.0000       -408.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -130020.8
 FY   =   -185489.5
 FZ   =    564896.8
 MX   =    537424.5
 MY   = -0.1566839E+08
 MZ   =   -5975054.

SUMMATION POINT= -102.00      -45.000      -408.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     600 NODES (OF    17051  DEFINED) SELECTED FROM
     550 SELECTED ELEMENTS BY NELE COMMAND.

next strip z = -306 to -102 Lines 6 to 7
```

```
Select all nodes in pad only


ESEL  FOR LABEL= TYPE  FROM     1 TO     1 BY    1

    9056  ELEMENTS (OF    15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

   11550 NODES (OF    17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip x direction z = -306 to -102


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -306.10     AND  -101.90
  KABS=  0.  TOLERANCE= 0.204200E-05

    2310  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2200 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2310 SELECTED NODES BY  ENOD COMMAND.

Internal forces at x = 714.0 LINE E


RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN  713.90     AND   714.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   714.000      -45.0000      -204.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    123553.4
 FY   =   -177455.7
 FZ   =    568644.9
 MX   =   -14037.81
 MY   =   0.1558527E+08
 MZ   =    5562018.

SUMMATION POINT=  714.00     -45.000     -204.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2310 NODES (OF    17051  DEFINED) SELECTED FROM
    2200 SELECTED ELEMENTS BY NELE COMMAND.
```

```
Internal forces at x = 510.0 LINE D


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND    510.10
  KABS=  0.  TOLERANCE= 0.612200E-05

    1740  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1650 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1740 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  509.90      AND    510.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    510.000       -45.0000       -204.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    194122.8
 FY   =   -42445.09
 FZ   =    279128.5
 MX   =    6456503.
 MY   =    6900011.
 MZ   =   -7318432.

SUMMATION POINT=  510.00      -45.000      -204.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1740 NODES (OF    17051  DEFINED) SELECTED FROM
    1650 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 306.0 LINE C


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND    306.10
  KABS=  0.  TOLERANCE= 0.408200E-05

    1170  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1100 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1170 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  305.90      AND    306.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.
```

```
NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    306.000       -45.0000       -204.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    208684.1
 FY   =   -22027.97
 FZ   =    38180.01
 MX   =    6591366.
 MY   =    378288.1
 MZ   =   -7748704.

SUMMATION POINT=  306.00      -45.000      -204.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1170 NODES (OF    17051  DEFINED) SELECTED FROM
    1100 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 102.0 LINE B


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND    102.10
  KABS=  0.  TOLERANCE= 0.204200E-05

     600  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     550 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     600 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  101.90      AND    102.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    102.000       -45.0000       -204.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    191503.9
 FY   =    5855.484
 FZ   =   -193396.4
 MX   =    6723531.
 MY   =   -5074847.
 MZ   =   -7564913.

SUMMATION POINT=  102.00      -45.000      -204.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     600 NODES (OF    17051  DEFINED) SELECTED FROM
```

```
     550 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = -102.0 LINE A


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND  -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=  -102.000       -45.0000       -204.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -123553.4
 FY   =   -177455.8
 FZ   =    568645.1
 MX   =   -14041.13
 MY   = -0.1558528E+08
 MZ   =   -5562019.

SUMMATION POINT= -102.00      -45.000      -204.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     600 NODES (OF    17051  DEFINED) SELECTED FROM
     550 SELECTED ELEMENTS BY NELE COMMAND.

next strip z = -102 to 102 Lines 7 to 8


Select all nodes in pad only


ESEL  FOR LABEL= TYPE  FROM      1 TO      1 BY     1

    9056  ELEMENTS (OF    15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

   11550 NODES (OF    17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip x direction z = -102 to 102


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -102.10      AND   102.10
  KABS=  0.  TOLERANCE= 0.204200E-05

    2310  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.
```

```
    2200 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2310 SELECTED NODES BY  ENOD COMMAND.

Internal forces at x = 714.0 LINE E


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  713.90      AND    714.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    714.000       -45.0000        0.00000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    115783.1
 FY   =   -187167.8
 FZ   =    582122.5
 MX   =    345891.0
 MY   =  0.1605343E+08
 MZ   =    5165282.

SUMMATION POINT=  714.00      -45.000       0.0000

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2310 NODES (OF    17051  DEFINED) SELECTED FROM
    2200 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 510.0 LINE D


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND    510.10
  KABS=  0.  TOLERANCE= 0.612200E-05

    1740  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1650 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1740 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  509.90      AND    510.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    510.000       -45.0000        0.00000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    85375.39
 FY   =   -49296.18
```

```
 FZ   =    221055.7
 MX   =    6670852.
 MY   =    1374585.
 MZ   =   -7170075.

SUMMATION POINT=  510.00      -45.000       0.0000

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1740 NODES (OF     17051  DEFINED) SELECTED FROM
    1650 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 306.0 LINE C


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND    306.10
  KABS=  0.  TOLERANCE= 0.408200E-05

    1170  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1100 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
    1170 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  305.90      AND    306.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    306.000       -45.0000        0.00000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    46751.60
 FY   =   -32660.54
 FZ   =    38804.47
 MX   =    7873945.
 MY   =   -4463962.
 MZ   =   -7143824.

SUMMATION POINT=  306.00      -45.000       0.0000

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1170 NODES (OF     17051  DEFINED) SELECTED FROM
    1100 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 102.0 LINE B


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND    102.10
  KABS=  0.  TOLERANCE= 0.204200E-05
```

```
     600  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     550 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     600 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X     BETWEEN  101.90     AND   102.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   102.000      -45.0000       0.00000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    119436.5
 FY   =   -4867.651
 FZ   =   -164951.0
 MX   =    8970186.
 MY   =   -7251060.
 MZ   =   -7416332.

SUMMATION POINT=  102.00     -45.000      0.0000

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     600 NODES (OF    17051  DEFINED) SELECTED FROM
     550 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = -102.0 LINE A


RESELECT      FOR ITEM=LOC  COMPONENT=X     BETWEEN -102.10     AND  -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=  -102.000      -45.0000       0.00000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -115783.1
 FY   =   -187167.8
 FZ   =    582122.6
 MX   =    345887.5
 MY   = -0.1605344E+08
 MZ   =   -5165281.

SUMMATION POINT= -102.00     -45.000      0.0000

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.
```

```
     600 NODES (OF     17051  DEFINED) SELECTED FROM
     550 SELECTED ELEMENTS BY NELE COMMAND.

next strip z = 102 to 222 Lines 8 to 10


Select all nodes in pad only


ESEL  FOR LABEL= TYPE  FROM      1 TO      1 BY     1

    9056  ELEMENTS (OF     15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

   11550 NODES (OF     17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip x direction z = 102 to 222


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN  101.90      AND    222.10
  KABS=  0.  TOLERANCE= 0.120200E-05

     255  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     160 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
     255 SELECTED NODES BY  ENOD COMMAND.

Internal forces at x = 714.0 LINE E


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  713.90      AND    714.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      15  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=         0
MOMENT SUMMATION LOCATION=    714.000       -45.0000        162.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    29303.89
 FY   =   -85803.19
 FZ   =    411145.6
 MX   = -0.1194119E+08
 MY   =    8357897.
 MZ   =    3192955.

SUMMATION POINT=  714.00      -45.000       162.00
```

```
SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     255 NODES (OF    17051  DEFINED) SELECTED FROM
     160 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 510.0 LINE D


RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN -102.10     AND   510.10
  KABS=  0.  TOLERANCE= 0.612200E-05

     195  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     120 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     195 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN  509.90     AND   510.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      15  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   510.000      -45.0000       162.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -157782.6
 FY   =   -28401.39
 FZ   =    46254.93
 MX   =   -1231352.
 MY   =   -1284566.
 MZ   =   -1449223.

SUMMATION POINT=  510.00      -45.000       162.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     195 NODES (OF    17051  DEFINED) SELECTED FROM
     120 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 306.0 LINE C


RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN -102.10     AND   306.10
  KABS=  0.  TOLERANCE= 0.408200E-05

     135  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      80 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     135 SELECTED NODES BY  ENOD COMMAND.
```

```
RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  305.90      AND    306.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      15  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    306.000       -45.0000       162.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -175859.2
 FY   =   -28972.90
 FZ   =    15634.87
 MX   =   -178140.4
 MY   =   -1573046.
 MZ   =   -1135164.

SUMMATION POINT=  306.00      -45.000       162.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     135 NODES (OF     17051  DEFINED) SELECTED FROM
      80 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 102.0 LINE B


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND    102.10
  KABS=  0.  TOLERANCE= 0.204200E-05

      75  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      40 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
      75 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  101.90      AND    102.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      15  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    102.000       -45.0000       162.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -138211.6
 FY   =   -21958.75
 FZ   =   -27652.90
 MX   =    1243839.
 MY   =   -3560021.
 MZ   =   -1359089.
```

```
SUMMATION POINT=  102.00      -45.000       162.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      75 NODES (OF    17051  DEFINED) SELECTED FROM
      40 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = -102.0 LINE A


RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN -102.10     AND  -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      15  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=  -102.000       -45.0000        162.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -29303.93
 FY   =   -85803.22
 FZ   =    411145.8
 MX   = -0.1194119E+08
 MY   =   -8357903.
 MZ   =   -3192957.

SUMMATION POINT= -102.00      -45.000       162.00

   15348  ELEMENTS (OF    15348  DEFINED) SELECTED BY  EALL  COMMAND.

   17051  NODES (OF    17051  DEFINED) SELECTED BY NALL  COMMAND.
********************************************************************************
********************************************************************************
************************  LOAD CASE 3 **********************************


USE LOAD STEP     3  SUBSTEP     0  FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=     3  SUBSTEP=     1  CUMULATIVE ITERATION=     26
  TIME/FREQUENCY=  3.0000
TITLE= Pad, HE(1), 20 Casks, 515 Kips N 32.93 W (Z,X), Soft Rock

SECTION THE PAD IN TO 4 NORTH-SOUTH Z-DIRECTION STRIPS

Select all nodes in pad only


ESEL  FOR LABEL= TYPE  FROM     1 TO     1 BY    1

    9056  ELEMENTS (OF    15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.
```

```
   11550 NODES (OF     17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip Z direction x = -102 to 102 Lines A to B


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND    102.10
  KABS=  0.  TOLERANCE= 0.204200E-05

    3000  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2830 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
    3000 SELECTED NODES BY  ENOD COMMAND.

Internal forces at Z = 222.0 LINE 10


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN  221.90      AND    222.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   0.00000       -45.0000        222.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    146484.7
 FY   =   -389253.7
 FZ   =    801208.6
 MX   = -0.3445448E+08
 MY   =    565810.2
 MZ   =    1933481.

SUMMATION POINT=  0.0000      -45.000       222.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    3000 NODES (OF     17051  DEFINED) SELECTED FROM
    2830 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = 162.0 LINE 9


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND    162.10
  KABS=  0.  TOLERANCE= 0.120020E-04

    2975  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2810 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
```

```
    2975 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN  161.90      AND    162.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    0.00000       -45.0000        162.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -9686.156
 FY   =   -433935.8
 FZ   =    836008.7
 MX   = -0.1414260E+08
 MY   =  0.1170901E+08
 MZ   =   -3975119.

SUMMATION POINT=  0.0000      -45.000       162.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2975 NODES (OF    17051  DEFINED) SELECTED FROM
    2810 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = 102.0 LINE 8


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND    102.10
  KABS=  0.  TOLERANCE= 0.114020E-04

    2950  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2790 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2950 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN  101.90      AND    102.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    0.00000       -45.0000        102.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -58796.21
 FY   =   -410580.2
 FZ   =    932446.6
 MX   =    5679663.
 MY   =  0.1325193E+08
 MZ   =   -7877929.
```

```
SUMMATION POINT=  0.0000      -45.000       102.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2950 NODES (OF    17051  DEFINED) SELECTED FROM
    2790 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -102.0 LINE 7


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -101.90
  KABS=  0.  TOLERANCE= 0.936200E-05

    2375  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2240 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2375 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -102.10     AND  -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   0.00000       -45.0000       -102.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =  -171021.7
 FY   =  -460868.5
 FZ   =   934240.2
 MX   =   1656574.
 MY   =  0.1109624E+08
 MZ   =  -1594734.

SUMMATION POINT=  0.0000      -45.000      -102.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2375 NODES (OF    17051  DEFINED) SELECTED FROM
    2240 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -306.0 LINE 6


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -305.90
  KABS=  0.  TOLERANCE= 0.732200E-05

    1800  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.
```

```
    1690 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1800 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -306.10      AND  -305.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   0.00000       -45.0000       -306.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX  =  -223044.8
 FY  =  -498596.8
 FZ  =   782024.8
 MX  =   5782106.
 MY  =  0.1013383E+08
 MZ  =  -234480.4

SUMMATION POINT=  0.0000      -45.000      -306.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1800 NODES (OF    17051  DEFINED) SELECTED FROM
    1690 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -510.0 LINE 5


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -509.90
  KABS=  0.  TOLERANCE= 0.528200E-05

    1225  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1140 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1225 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -510.10      AND  -509.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   0.00000       -45.0000       -510.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX  =  -269009.2
 FY  =  -545048.1
 FZ  =   555055.5
 MX  =  0.1832699E+08
```

```
 MY  =  0.1051638E+08
 MZ  =  -4467935.

SUMMATION POINT=  0.0000      -45.000      -510.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1225 NODES (OF    17051  DEFINED) SELECTED FROM
    1140 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -714.0 LINE 4


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -713.90
  KABS=  0.  TOLERANCE= 0.324200E-05

     650  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     590 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     650 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -714.10      AND  -713.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   0.00000       -45.0000       -714.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX  =  -298289.7
 FY  =  -456382.6
 FZ  =   224496.0
 MX  =  0.3362393E+08
 MY  =   9290734.
 MZ  =  -9935926.

SUMMATION POINT=  0.0000      -45.000      -714.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     650 NODES (OF    17051  DEFINED) SELECTED FROM
     590 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -918.0 LINE 3


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -917.90
  KABS=  0.  TOLERANCE= 0.120200E-05

      75  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.
```

```
SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      40 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
      75 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -918.10     AND  -917.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   0.00000      -45.0000      -918.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -295362.1
 FY   =   -151185.8
 FZ   =   -300716.9
 MX   =   0.1223547E+08
 MY   =    5748913.
 MZ   =   -1441579.

SUMMATION POINT=  0.0000     -45.000     -918.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      75 NODES (OF    17051  DEFINED) SELECTED FROM
      40 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -978.0 LINE 2


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -977.90
  KABS=  0.  TOLERANCE= 0.602000E-06

      50  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      20 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
      50 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -978.10     AND  -977.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   0.00000      -45.0000      -978.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -267532.4
 FY   =   -71334.59
```

```
 FZ   =   -417731.2
 MX   =   0.2016489E+08
 MY   =    6052521.
 MZ   =   -7884130.

SUMMATION POINT=  0.0000      -45.000      -978.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      50 NODES (OF     17051  DEFINED) SELECTED FROM
      20 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -1038.0 LINE 1


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -1037.9
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    0.00000       -45.0000       -1038.00

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    309511.8
 FY   =   -5165.405
 FZ   =    482564.9
 MX   = -0.2214997E+08
 MY   =  0.1125880E+08
 MZ   =    7884130.

SUMMATION POINT=  0.0000      -45.000      -1038.0
next strip x = 102 to 306 Lines B to C

Select all nodes in pad only


ESEL  FOR LABEL= TYPE  FROM      1 TO      1 BY     1

    9056  ELEMENTS (OF     15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

   11550 NODES (OF     17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip Z direction


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  101.90      AND    306.10
  KABS=  0.  TOLERANCE= 0.204200E-05

    3000  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.
```

```
SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2830 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    3000 SELECTED NODES BY  ENOD COMMAND.

Internal forces at Z = 222.0 LINE 10


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN  221.90      AND   222.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   204.000       -45.0000        222.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    336715.2
 FY   =   -388772.1
 FZ   =    783126.0
 MX   = -0.3527653E+08
 MY   = -0.1009119E+08
 MZ   =    2853803.

SUMMATION POINT=  204.00      -45.000       222.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    3000 NODES (OF    17051  DEFINED) SELECTED FROM
    2830 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = 162.0 LINE 9


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND   162.10
  KABS=  0.  TOLERANCE= 0.120020E-04

    2975  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2810 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2975 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN  161.90      AND   162.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   204.000       -45.0000        162.000
```

```
***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    306452.6
 FY   =   -413801.9
 FZ   =    677379.3
 MX   = -0.1224082E+08
 MY   =   -8982890.
 MZ   =   -3761285.

SUMMATION POINT=  204.00      -45.000       162.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2975 NODES (OF    17051  DEFINED) SELECTED FROM
    2810 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = 102.0 LINE 8


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND    102.10
  KABS=  0.  TOLERANCE= 0.114020E-04

    2950  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2790 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2950 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN  101.90      AND    102.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   204.000       -45.0000       102.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    315481.2
 FY   =   -380099.9
 FZ   =    680828.8
 MX   =    7885156.
 MY   =   -6107941.
 MZ   =   -6298989.

SUMMATION POINT=  204.00      -45.000       102.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2950 NODES (OF    17051  DEFINED) SELECTED FROM
    2790 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -102.0 LINE 7
```

```
RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -101.90
  KABS=  0.  TOLERANCE= 0.936200E-05

    2375  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2240 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2375 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -102.10     AND  -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   204.000      -45.0000      -102.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    142322.9
 FY   =   -381138.4
 FZ   =    623930.9
 MX   =    2821450.
 MY   =    130132.1
 MZ   =   -3751442.

SUMMATION POINT=  204.00     -45.000     -102.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2375 NODES (OF    17051  DEFINED) SELECTED FROM
    2240 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -306.0 LINE 6


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -305.90
  KABS=  0.  TOLERANCE= 0.732200E-05

    1800  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1690 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1800 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -306.10     AND  -305.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
```

```
MOMENT SUMMATION LOCATION=    204.000       -45.0000       -306.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    19590.49
 FY   =   -394765.5
 FZ   =    507278.6
 MX   =    4869688.
 MY   =    3404311.
 MZ   =   -3438119.

SUMMATION POINT=  204.00      -45.000      -306.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1800 NODES (OF     17051  DEFINED) SELECTED FROM
    1690 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -510.0 LINE 5


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -509.90
  KABS=  0.  TOLERANCE= 0.528200E-05

    1225  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1140 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
    1225 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -510.10      AND  -509.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=         0
MOMENT SUMMATION LOCATION=    204.000       -45.0000       -510.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -91744.76
 FY   =   -430137.6
 FZ   =    333949.1
 MX   =  0.1358991E+08
 MY   =    5222370.
 MZ   =   -5417101.

SUMMATION POINT=  204.00      -45.000      -510.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1225 NODES (OF     17051  DEFINED) SELECTED FROM
    1140 SELECTED ELEMENTS BY NELE COMMAND.
```

```
Internal forces at Z = -714.0 LINE 4


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -713.90
  KABS=  0.  TOLERANCE= 0.324200E-05

     650  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     590 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     650 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -714.10     AND  -713.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   204.000      -45.0000      -714.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -207203.2
 FY   =   -513914.0
 FZ   =    96580.20
 MX   =  0.3084722E+08
 MY   =    6398978.
 MZ   = -0.1232419E+08

SUMMATION POINT=  204.00     -45.000     -714.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     650 NODES (OF    17051  DEFINED) SELECTED FROM
     590 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -918.0 LINE 3


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -917.90
  KABS=  0.  TOLERANCE= 0.120200E-05

      75  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      40 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
      75 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -918.10     AND  -917.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.
```

```
NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    204.000       -45.0000       -918.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -251625.8
 FY   =   -106893.2
 FZ   =   -265320.2
 MX   =  0.1281576E+08
 MY   =    8717293.
 MZ   =   -6273991.

SUMMATION POINT=  204.00      -45.000      -918.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      75 NODES (OF     17051  DEFINED) SELECTED FROM
      40 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -978.0 LINE 2


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -977.90
  KABS=  0.  TOLERANCE= 0.602000E-06

      50  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      20 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
      50 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -978.10      AND  -977.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    204.000       -45.0000       -978.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -254757.5
 FY   =   -55885.87
 FZ   =   -388469.7
 MX   =  0.1949859E+08
 MY   =    8721578.
 MZ   =   -8739256.

SUMMATION POINT=  204.00      -45.000      -978.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      50 NODES (OF     17051  DEFINED) SELECTED FROM
```

```
      20 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -1038.0 LINE 1


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -1037.9
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    204.000       -45.0000       -1038.00

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    296736.9
 FY   =   -20614.13
 FZ   =    453303.5
 MX   = -0.2055674E+08
 MY   =    7823254.
 MZ   =    8739256.

SUMMATION POINT=  204.00      -45.000      -1038.0
next strip x = 306 to 510 Lines C to D

Select all nodes in pad only

ESEL  FOR LABEL= TYPE  FROM      1 TO      1 BY    1

    9056  ELEMENTS (OF    15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

   11550 NODES (OF    17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip Z direction


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  305.90      AND   510.10
  KABS=  0.  TOLERANCE= 0.204200E-05

    3000  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2830 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    3000 SELECTED NODES BY  ENOD COMMAND.

Internal forces at Z = 222.0 LINE 10


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN  221.90      AND   222.10
```

```
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    408.000       -45.0000        222.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    371737.1
 FY   =   -383147.6
 FZ   =    798372.8
 MX   = -0.3593580E+08
 MY   = -0.1039466E+08
 MZ   =    5348149.

SUMMATION POINT=  408.00      -45.000       222.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    3000 NODES (OF    17051  DEFINED) SELECTED FROM
    2830 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = 162.0 LINE 9


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND   162.10
  KABS=  0.  TOLERANCE= 0.120020E-04

    2975  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2810 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2975 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN  161.90      AND   162.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    408.000       -45.0000        162.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    356125.9
 FY   =   -412224.7
 FZ   =    678284.3
 MX   = -0.1273596E+08
 MY   =   -9933742.
 MZ   =   -1613902.

SUMMATION POINT=  408.00      -45.000       162.00
```

```
SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2975 NODES (OF    17051  DEFINED) SELECTED FROM
    2810 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = 102.0 LINE 8


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND   102.10
  KABS=  0.  TOLERANCE= 0.114020E-04

    2950  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2790 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2950 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN  101.90     AND   102.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   408.000      -45.0000       102.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    407781.3
 FY   =   -379675.4
 FZ   =    662655.0
 MX   =    7661142.
 MY   =   -7997679.
 MZ   =   -4341350.

SUMMATION POINT=  408.00     -45.000      102.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2950 NODES (OF    17051  DEFINED) SELECTED FROM
    2790 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -102.0 LINE 7


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -101.90
  KABS=  0.  TOLERANCE= 0.936200E-05

    2375  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2240 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2375 SELECTED NODES BY  ENOD COMMAND.
```

```
RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -102.10      AND  -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    408.000       -45.0000       -102.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    338164.8
 FY   =   -372960.9
 FZ   =    494678.7
 MX   =    2541931.
 MY   =   -5590529.
 MZ   =   -3259844.

SUMMATION POINT=  408.00      -45.000      -102.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2375 NODES (OF     17051  DEFINED) SELECTED FROM
    2240 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -306.0 LINE 6


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -305.90
  KABS=  0.  TOLERANCE= 0.732200E-05

    1800  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1690 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
    1800 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -306.10      AND  -305.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    408.000       -45.0000       -306.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    215959.9
 FY   =   -382051.1
 FZ   =    302985.4
 MX   =    3437506.
 MY   =   -1337189.
 MZ   =   -3335926.
```

```
SUMMATION POINT=  408.00      -45.000      -306.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1800 NODES (OF    17051  DEFINED) SELECTED FROM
    1690 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -510.0 LINE 5


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -509.90
  KABS=  0.  TOLERANCE= 0.528200E-05

    1225  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1140 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1225 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -510.10      AND  -509.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   408.000      -45.0000      -510.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    100577.4
 FY   =   -403350.0
 FZ   =    123731.7
 MX   =    9497611.
 MY   =    1876750.
 MZ   =   -4456205.

SUMMATION POINT=  408.00      -45.000      -510.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1225 NODES (OF    17051  DEFINED) SELECTED FROM
    1140 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -714.0 LINE 4


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -713.90
  KABS=  0.  TOLERANCE= 0.324200E-05

     650  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.
```

```
     590 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     650 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -714.10      AND  -713.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   408.000       -45.0000       -714.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -40415.52
 FY   =   -454507.9
 FZ   =   -52111.90
 MX   =   0.2408057E+08
 MY   =    4175362.
 MZ   =   -7196254.

SUMMATION POINT=  408.00      -45.000      -714.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     650 NODES (OF    17051  DEFINED) SELECTED FROM
     590 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -918.0 LINE 3


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -917.90
  KABS=  0.  TOLERANCE= 0.120200E-05

      75  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      40 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
      75 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -918.10      AND  -917.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   408.000       -45.0000       -918.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -213608.8
 FY   =   -127648.9
 FZ   =   -294963.9
 MX   =   0.1217908E+08
 MY   =    7557442.
```

```
 MZ   =  -5070693.

SUMMATION POINT=  408.00      -45.000      -918.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      75 NODES (OF     17051  DEFINED) SELECTED FROM
      40 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -978.0 LINE 2


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -977.90
  KABS=  0.  TOLERANCE= 0.602000E-06

      50  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      20 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
      50 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -978.10      AND  -977.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=         0
MOMENT SUMMATION LOCATION=    408.000       -45.0000       -978.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =  -271785.1
 FY   =  -63675.73
 FZ   =  -405837.6
 MX   =  0.1976141E+08
 MY   =   9104478.
 MZ   =  -8525828.

SUMMATION POINT=  408.00      -45.000      -978.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      50 NODES (OF     17051  DEFINED) SELECTED FROM
      20 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -1038.0 LINE 1


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -1037.9
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.
```

```
NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    408.000       -45.0000       -1038.00

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    313764.5
 FY   =   -12824.27
 FZ   =    470671.4
 MX   = -0.2128695E+08
 MY   =    8462011.
 MZ   =    8525828.

SUMMATION POINT=  408.00      -45.000      -1038.0
next strip x = 510 to 714 Lines D to E

Select all nodes in pad only


ESEL  FOR LABEL= TYPE  FROM      1 TO      1 BY     1

    9056  ELEMENTS (OF    15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

   11550 NODES (OF    17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip Z direction


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  509.90      AND    714.10
  KABS=  0.  TOLERANCE= 0.204200E-05

    3000  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2830 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    3000 SELECTED NODES BY  ENOD COMMAND.

Internal forces at Z = 222.0 LINE 10


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN  221.90      AND    222.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    612.000       -45.0000       222.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    506173.6
 FY   =   -442899.6
```

```
 FZ   =    873057.3
 MX   = -0.4084261E+08
 MY   = -0.2002707E+08
 MZ   =    2371227.

SUMMATION POINT=  612.00      -45.000       222.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    3000 NODES (OF     17051  DEFINED) SELECTED FROM
    2830 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = 162.0 LINE 9


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND    162.10
  KABS=  0.  TOLERANCE= 0.120020E-04

    2975  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2810 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
    2975 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN  161.90      AND    162.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=         0
MOMENT SUMMATION LOCATION=    612.000       -45.0000        162.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    460334.1
 FY   =   -486561.1
 FZ   =    769404.9
 MX   = -0.1873479E+08
 MY   = -0.2017615E+08
 MZ   =   -6350982.

SUMMATION POINT=  612.00      -45.000       162.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2975 NODES (OF     17051  DEFINED) SELECTED FROM
    2810 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = 102.0 LINE 8


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND    102.10
  KABS=  0.  TOLERANCE= 0.114020E-04
```

```
    2950  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2790 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
    2950 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN  101.90      AND    102.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=         0
MOMENT SUMMATION LOCATION=    612.000       -45.0000        102.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    516200.2
 FY   =   -507225.0
 FZ   =    723970.7
 MX   =    3114136.
 MY   = -0.1544344E+08
 MZ   = -0.1286060E+08

SUMMATION POINT=  612.00      -45.000       102.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2950 NODES (OF     17051  DEFINED) SELECTED FROM
    2790 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -102.0 LINE 7


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND   -101.90
  KABS=  0.  TOLERANCE= 0.936200E-05

    2375  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2240 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
    2375 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -102.10      AND   -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=         0
MOMENT SUMMATION LOCATION=    612.000       -45.0000       -102.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
```

```
 FX  =   462271.4
 FY  =  -488408.0
 FZ  =   420014.8
 MX  =  -914486.1
 MY  =  -9421844.
 MZ  = -0.1051894E+08

SUMMATION POINT=  612.00      -45.000      -102.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2375 NODES (OF    17051  DEFINED) SELECTED FROM
    2240 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -306.0 LINE 6


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -305.90
  KABS=  0.  TOLERANCE= 0.732200E-05

    1800  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1690 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1800 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -306.10     AND  -305.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   612.000       -45.0000       -306.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX  =   385763.5
 FY  =  -493842.2
 FZ  =   91508.51
 MX  =  -855625.4
 MY  =  -4974985.
 MZ  = -0.1045618E+08

SUMMATION POINT=  612.00      -45.000      -306.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1800 NODES (OF    17051  DEFINED) SELECTED FROM
    1690 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -510.0 LINE 5
```

```
RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -509.90
  KABS=  0.  TOLERANCE= 0.528200E-05

    1225  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1140 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
    1225 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -510.10      AND  -509.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    612.000       -45.0000       -510.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    324882.5
 FY   =   -517184.4
 FZ   =   -170261.4
 MX   =    3131378.
 MY   =   -2082084.
 MZ   = -0.1224195E+08

SUMMATION POINT=  612.00      -45.000      -510.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1225 NODES (OF     17051  DEFINED) SELECTED FROM
    1140 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -714.0 LINE 4


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -713.90
  KABS=  0.  TOLERANCE= 0.324200E-05

     650  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     590 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
     650 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -714.10      AND  -713.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    612.000       -45.0000       -714.000
```

```
***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    254734.3
 FY   =   -549744.9
 FZ   =   -387865.4
 MX   =   0.1492362E+08
 MY   =    1779087.
 MZ   =  -0.1673051E+08

SUMMATION POINT=  612.00      -45.000      -714.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     650 NODES (OF    17051  DEFINED) SELECTED FROM
     590 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -918.0 LINE 3


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -917.90
  KABS=  0.  TOLERANCE= 0.120200E-05

      75  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      40 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
      75 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -918.10     AND  -917.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   612.000       -45.0000       -918.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    52150.81
 FY   =   -226272.1
 FZ   =   -491737.0
 MX   =   0.1026306E+08
 MY   =    9440697.
 MZ   =   -9112889.

SUMMATION POINT=  612.00      -45.000      -918.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      75 NODES (OF    17051  DEFINED) SELECTED FROM
      40 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -978.0 LINE 2
```

```
RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -977.90
  KABS=  0.  TOLERANCE= 0.602000E-06

      50  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      20 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
      50 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -978.10      AND  -977.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    612.000       -45.0000       -978.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -143502.6
 FY   =   -115103.8
 FZ   =   -487285.2
 MX   =   0.1953475E+08
 MY   =   0.1013332E+08
 MZ   =  -0.1041012E+08

SUMMATION POINT=  612.00      -45.000      -978.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      50 NODES (OF     17051  DEFINED) SELECTED FROM
      20 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -1038.0 LINE 1


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -1037.9
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    612.000       -45.0000       -1038.00

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    185481.9
 FY   =    38603.80
 FZ   =    552118.9
 MX   =  -0.2414598E+08
 MY   =   -263783.1
 MZ   =   0.1041012E+08
```

```
SUMMATION POINT=  612.00      -45.000      -1038.0
*****************************************************************************
*****************************************************************************

SECTION THE PAD IN TO 7 EAST-WEST X-DIRECTION STRIPS

Select all nodes in pad only


ESEL  FOR LABEL= TYPE  FROM      1 TO      1 BY     1

    9056  ELEMENTS (OF     15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

   11550 NODES (OF     17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip x direction z = -1038 to -918 Lines 1 to 3


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -917.90
  KABS=  0.  TOLERANCE= 0.120200E-05

     255  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     160 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
     255 SELECTED NODES BY  ENOD COMMAND.

Internal forces at x = 714.0 LINE E


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  713.90      AND   714.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      15  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    714.000       -45.0000       -978.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    283498.3
 FY   =   -79106.12
 FZ   =    157056.4
 MX   =   -5561424.
 MY   =    1822814.
 MZ   =  0.1113240E+08

SUMMATION POINT=  714.00      -45.000      -978.00
```

```
SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     255 NODES (OF    17051  DEFINED) SELECTED FROM
     160 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 510.0 LINE D


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND   510.10
  KABS=  0.  TOLERANCE= 0.612200E-05

     195  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     120 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     195 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  509.90      AND   510.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      15  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    510.000       -45.0000       -978.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    386060.7
 FY   =   -97049.43
 FZ   =   -130259.6
 MX   =    2729561.
 MY   =   -6525206.
 MZ   =   -1256206.

SUMMATION POINT=  510.00      -45.000      -978.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     195 NODES (OF    17051  DEFINED) SELECTED FROM
     120 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 306.0 LINE C


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND   306.10
  KABS=  0.  TOLERANCE= 0.408200E-05

     135  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      80 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     135 SELECTED NODES BY  ENOD COMMAND.
```

```
RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN  305.90     AND   306.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      15  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   306.000      -45.0000      -978.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    321048.8
 FY   =   -66041.72
 FZ   =   -145508.2
 MX   =    3909983.
 MY   =   -5859400.
 MZ   =   -9826424.

SUMMATION POINT=  306.00      -45.000      -978.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     135 NODES (OF    17051  DEFINED) SELECTED FROM
      80 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 102.0 LINE B


RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN -102.10     AND   102.10
  KABS=  0.  TOLERANCE= 0.204200E-05

      75  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      40 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
      75 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN  101.90     AND   102.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      15  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   102.000      -45.0000      -978.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    153171.9
 FY   =   -6304.964
 FZ   =   -135276.9
 MX   =    4100864.
 MY   =   -5012597.
 MZ   = -0.1257419E+08
```

```
SUMMATION POINT=  102.00      -45.000      -978.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      75 NODES (OF     17051  DEFINED) SELECTED FROM
      40 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = -102.0 LINE A


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND  -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      15  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=         0
MOMENT SUMMATION LOCATION=  -102.000       -45.0000       -978.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    105479.2
 FY   =   -56731.22
 FZ   =    293295.7
 MX   = -0.1019693E+08
 MY   =   -5821603.
 MZ   =    5947292.

SUMMATION POINT= -102.00      -45.000      -978.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      75 NODES (OF     17051  DEFINED) SELECTED FROM
      40 SELECTED ELEMENTS BY NELE COMMAND.

next strip z = -918 to -714 Lines 3 to 4


Select all nodes in pad only


ESEL  FOR LABEL= TYPE  FROM      1 TO      1 BY     1

    9056  ELEMENTS (OF     15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

   11550 NODES (OF     17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip x direction z = -918 to -714


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -918.10      AND  -713.90
  KABS=  0.  TOLERANCE= 0.204200E-05
```

```
    2310  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2200 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2310 SELECTED NODES BY  ENOD COMMAND.

Internal forces at x = 714.0 LINE E


RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN  713.90     AND   714.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    714.000      -45.0000      -816.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    452128.9
 FY   =   -380040.8
 FZ   =    381430.6
 MX   =  0.1072260E+08
 MY   =  0.1348786E+08
 MZ   =  0.2028001E+08

SUMMATION POINT=  714.00     -45.000     -816.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2310 NODES (OF    17051  DEFINED) SELECTED FROM
    2200 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 510.0 LINE D


RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN -102.10     AND   510.10
  KABS=  0.  TOLERANCE= 0.612200E-05

    1740  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1650 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1740 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN  509.90     AND   510.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
```

```
MOMENT SUMMATION LOCATION=    510.000       -45.0000       -816.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    347453.5
 FY   =   -378376.7
 FZ   =   -4841.778
 MX   =   0.1221557E+08
 MY   =   -3273013.
 MZ   =   -2437693.

SUMMATION POINT=  510.00      -45.000      -816.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1740 NODES (OF     17051  DEFINED) SELECTED FROM
    1650 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 306.0 LINE C


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND    306.10
  KABS=  0.  TOLERANCE= 0.408200E-05

    1170  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1100 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
    1170 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  305.90      AND    306.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    306.000       -45.0000       -816.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    334474.2
 FY   =   -378145.4
 FZ   =   -180851.3
 MX   =   0.1540786E+08
 MY   =   -8457442.
 MZ   =  -0.1641178E+08

SUMMATION POINT=  306.00      -45.000      -816.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1170 NODES (OF     17051  DEFINED) SELECTED FROM
    1100 SELECTED ELEMENTS BY NELE COMMAND.
```

```
Internal forces at x = 102.0 LINE B


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND   102.10
  KABS=  0.   TOLERANCE= 0.204200E-05

     600  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     550 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     600 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  101.90      AND   102.10
  KABS=  0.   TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   102.000       -45.0000       -816.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    174950.9
 FY   =   -277562.2
 FZ   =   -251301.2
 MX   =   0.1602725E+08
 MY   =   -8290139.
 MZ   = -0.2465146E+08

SUMMATION POINT=  102.00      -45.000      -816.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     600 NODES (OF    17051  DEFINED) SELECTED FROM
     550 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = -102.0 LINE A


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND  -101.90
  KABS=  0.   TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=  -102.000       -45.0000       -816.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    210987.7
 FY   =   -11001.00
 FZ   =    454302.4
 MX   =   -1480995.
 MY   = -0.1121107E+08
```

```
 MZ   =    9325835.

SUMMATION POINT= -102.00      -45.000      -816.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      600 NODES (OF     17051  DEFINED) SELECTED FROM
      550 SELECTED ELEMENTS BY NELE COMMAND.

next strip z = -714 to -510 Lines 4 to 5


Select all nodes in pad only


ESEL  FOR LABEL= TYPE  FROM      1 TO      1 BY     1

     9056  ELEMENTS (OF     15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    11550 NODES (OF     17051  DEFINED) SELECTED FROM
     9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip x direction z = -714 to -510


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -714.10      AND  -509.90
  KABS=  0.  TOLERANCE= 0.204200E-05

     2310  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     2200 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
     2310 SELECTED NODES BY  ENOD COMMAND.

Internal forces at x = 714.0 LINE E


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  713.90      AND   714.10
  KABS=  0.  TOLERANCE= 0.200000E-08

       30  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=         0
MOMENT SUMMATION LOCATION=    714.000       -45.0000       -612.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    529907.1
 FY   =   -448503.7
 FZ   =    443383.0
 MX   =    3064678.
```

```
 MY   =   0.1294718E+08
 MZ   =   0.2394001E+08

SUMMATION POINT=  714.00      -45.000      -612.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2310 NODES (OF    17051  DEFINED) SELECTED FROM
    2200 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 510.0 LINE D


RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN -102.10     AND   510.10
  KABS=  0.  TOLERANCE= 0.612200E-05

    1740  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1650 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1740 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN  509.90     AND   510.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   510.000      -45.0000      -612.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    305480.5
 FY   =   -328155.2
 FZ   =    166550.6
 MX   =    8040222.
 MY   =    4424925.
 MZ   =   -1664003.

SUMMATION POINT=  510.00      -45.000      -612.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1740 NODES (OF    17051  DEFINED) SELECTED FROM
    1650 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 306.0 LINE C


RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN -102.10     AND   306.10
  KABS=  0.  TOLERANCE= 0.408200E-05

    1170  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.
```

```
SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1100 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1170 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X     BETWEEN  305.90     AND   306.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   306.000       -45.0000       -612.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    255648.6
 FY   =   -310131.8
 FZ   =   -47394.13
 MX   =    9093475.
 MY   =   -1822343.
 MZ   = -0.1172226E+08

SUMMATION POINT=  306.00      -45.000      -612.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1170 NODES (OF    17051  DEFINED) SELECTED FROM
    1100 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 102.0 LINE B


RESELECT      FOR ITEM=LOC  COMPONENT=X     BETWEEN -102.10     AND   102.10
  KABS=  0.  TOLERANCE= 0.204200E-05

     600  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     550 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     600 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X     BETWEEN  101.90     AND   102.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   102.000       -45.0000       -612.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    134715.0
 FY   =   -323231.5
```

```
 FZ   =   -190606.2
 MX   =   0.1223395E+08
 MY   =   -5826269.
 MZ   = -0.2264176E+08

SUMMATION POINT=  102.00      -45.000      -612.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     600 NODES (OF    17051  DEFINED) SELECTED FROM
     550 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = -102.0 LINE A


RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN -102.10     AND  -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=  -102.000      -45.0000      -612.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    238002.7
 FY   =   -23791.39
 FZ   =    461282.2
 MX   =   -4043803.
 MY   = -0.1179650E+08
 MZ   =   0.1090701E+08

SUMMATION POINT= -102.00      -45.000      -612.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     600 NODES (OF    17051  DEFINED) SELECTED FROM
     550 SELECTED ELEMENTS BY NELE COMMAND.

next strip z = -510 to -306 Lines 5 to 6


Select all nodes in pad only


ESEL  FOR LABEL= TYPE  FROM     1 TO     1 BY    1

    9056  ELEMENTS (OF    15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

   11550 NODES (OF    17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.
```

```
select strip x direction z = -510 to -306


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -510.10      AND  -305.90
  KABS=  0.  TOLERANCE= 0.204200E-05

    2310  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2200 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
    2310 SELECTED NODES BY  ENOD COMMAND.

Internal forces at x = 714.0 LINE E


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  713.90      AND   714.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    714.000       -45.0000       -408.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    538507.7
 FY   =   -443223.3
 FZ   =    482914.5
 MX   =    639590.9
 MY   =  0.1330019E+08
 MZ   =  0.2418116E+08

SUMMATION POINT=  714.00      -45.000      -408.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2310 NODES (OF     17051  DEFINED) SELECTED FROM
    2200 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 510.0 LINE D


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND   510.10
  KABS=  0.  TOLERANCE= 0.612200E-05

    1740  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1650 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
    1740 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  509.90      AND   510.10
```

```
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   510.000      -45.0000      -408.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX  =    317380.2
 FY  =   -312784.1
 FZ  =    267988.1
 MX  =    6120709.
 MY  =    6988453.
 MZ  =   -1234268.

SUMMATION POINT=  510.00     -45.000     -408.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1740 NODES (OF    17051  DEFINED) SELECTED FROM
    1650 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 306.0 LINE C


RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN -102.10     AND   306.10
  KABS=  0.  TOLERANCE= 0.408200E-05

    1170  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1100 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1170 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN  305.90     AND   306.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   306.000      -45.0000      -408.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX  =    250783.2
 FY  =   -284838.5
 FZ  =    79473.34
 MX  =    6355963.
 MY  =    2188395.
 MZ  =   -9174402.

SUMMATION POINT=  306.00     -45.000     -408.00
```

```
SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1170 NODES (OF    17051  DEFINED) SELECTED FROM
    1100 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 102.0 LINE B


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND   102.10
  KABS=  0.  TOLERANCE= 0.204200E-05

     600  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     550 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     600 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  101.90      AND   102.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   102.000       -45.0000       -408.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    119990.1
 FY   =   -270044.8
 FZ   =   -115159.7
 MX   =    7672835.
 MY   =   -3135607.
 MZ   = -0.1814947E+08

SUMMATION POINT=  102.00      -45.000      -408.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     600 NODES (OF    17051  DEFINED) SELECTED FROM
     550 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = -102.0 LINE A


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND  -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=  -102.000       -45.0000       -408.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
```

```
 FX   =   252639.5
 FY   =  -456.1749
 FZ   =   453540.3
 MX   =  -2046541.
 MY   = -0.1234933E+08
 MZ   =  0.1146521E+08

SUMMATION POINT= -102.00      -45.000      -408.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     600 NODES (OF    17051  DEFINED) SELECTED FROM
     550 SELECTED ELEMENTS BY NELE COMMAND.

next strip z = -306 to -102 Lines 6 to 7


Select all nodes in pad only


ESEL  FOR LABEL= TYPE  FROM     1 TO     1 BY    1

    9056  ELEMENTS (OF    15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

   11550 NODES (OF    17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip x direction z = -306 to -102


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -306.10     AND  -101.90
  KABS=  0.  TOLERANCE= 0.204200E-05

    2310  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2200 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2310 SELECTED NODES BY  ENOD COMMAND.

Internal forces at x = 714.0 LINE E


RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN  713.90     AND   714.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    714.000       -45.0000       -204.000
```

```
***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    518752.3
 FY   =   -432162.2
 FZ   =    523427.1
 MX   =   -83888.43
 MY   =   0.1392625E+08
 MZ   =   0.2317094E+08

SUMMATION POINT=  714.00      -45.000      -204.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2310 NODES (OF     17051  DEFINED) SELECTED FROM
    2200 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 510.0 LINE D


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND    510.10
  KABS=  0.  TOLERANCE= 0.612200E-05

    1740  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1650 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
    1740 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  509.90      AND    510.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    510.000       -45.0000       -204.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    307253.5
 FY   =   -305278.5
 FZ   =    373446.7
 MX   =    5605566.
 MY   =    8998457.
 MZ   =   -1270735.

SUMMATION POINT=  510.00      -45.000      -204.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1740 NODES (OF     17051  DEFINED) SELECTED FROM
    1650 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 306.0 LINE C
```

```
RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN -102.10     AND   306.10
  KABS=  0.  TOLERANCE= 0.408200E-05

    1170  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1100 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1170 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN  305.90     AND   306.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   306.000      -45.0000      -204.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    236868.8
 FY   =   -275897.6
 FZ   =    204412.8
 MX   =    6035310.
 MY   =    4613168.
 MZ   =   -8288187.

SUMMATION POINT=  306.00     -45.000     -204.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1170 NODES (OF    17051  DEFINED) SELECTED FROM
    1100 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 102.0 LINE B


RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN -102.10     AND   102.10
  KABS=  0.  TOLERANCE= 0.204200E-05

     600  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     550 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     600 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN  101.90     AND   102.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
```

```
MOMENT SUMMATION LOCATION=    102.000       -45.0000       -204.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    115016.2
 FY   =   -256132.1
 FZ   =   -41798.19
 MX   =    7056862.
 MY   =   -1091110.
 MZ   = -0.1620729E+08

SUMMATION POINT=  102.00      -45.000      -204.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     600 NODES (OF    17051  DEFINED) SELECTED FROM
     550 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = -102.0 LINE A


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND  -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=  -102.000       -45.0000       -204.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    248129.4
 FY   =    11657.12
 FZ   =    428014.0
 MX   =   -1167064.
 MY   = -0.1195242E+08
 MZ   =  0.1102005E+08

SUMMATION POINT= -102.00      -45.000      -204.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     600 NODES (OF    17051  DEFINED) SELECTED FROM
     550 SELECTED ELEMENTS BY NELE COMMAND.

next strip z = -102 to 102 Lines 7 to 8


Select all nodes in pad only


ESEL  FOR LABEL= TYPE  FROM      1 TO      1 BY     1

    9056  ELEMENTS (OF    15348  DEFINED) SELECTED BY  ESEL  COMMAND.
```

```
SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

   11550 NODES (OF    17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip x direction z = -102 to 102


RESELECT      FOR ITEM=LOC  COMPONENT=Z     BETWEEN -102.10     AND   102.10
  KABS=  0.  TOLERANCE= 0.204200E-05

    2310  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2200 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2310 SELECTED NODES BY  ENOD COMMAND.

Internal forces at x = 714.0 LINE E


RESELECT      FOR ITEM=LOC  COMPONENT=X     BETWEEN  713.90     AND   714.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    714.000      -45.0000       0.00000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX  =    478956.7
 FY  =   -426548.6
 FZ  =    576879.8
 MX  =    313458.1
 MY  =  0.1504692E+08
 MZ  =  0.2129560E+08

SUMMATION POINT=  714.00     -45.000      0.0000

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2310 NODES (OF    17051  DEFINED) SELECTED FROM
    2200 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 510.0 LINE D


RESELECT      FOR ITEM=LOC  COMPONENT=X     BETWEEN -102.10     AND   510.10
  KABS=  0.  TOLERANCE= 0.612200E-05

    1740  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.
```

```
    1650 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1740 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  509.90      AND   510.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    510.000       -45.0000        0.00000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    221312.8
 FY   =   -301199.4
 FZ   =    445140.1
 MX   =    6170670.
 MY   =    8400103.
 MZ   =   -1470806.

SUMMATION POINT=  510.00      -45.000       0.0000

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1740 NODES (OF    17051  DEFINED) SELECTED FROM
    1650 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 306.0 LINE C


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND   306.10
  KABS=  0.  TOLERANCE= 0.408200E-05

    1170  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1100 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1170 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  305.90      AND   306.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    306.000       -45.0000        0.00000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    89813.17
 FY   =   -273998.7
 FZ   =    335316.7
 MX   =    7299710.
```

```
 MY   =    3641227.
 MZ   =   -7253060.

SUMMATION POINT=  306.00      -45.000       0.0000

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1170 NODES (OF     17051  DEFINED) SELECTED FROM
    1100 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 102.0 LINE B


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND    102.10
  KABS=  0.  TOLERANCE= 0.204200E-05

     600  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     550 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
     600 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  101.90      AND    102.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=         0
MOMENT SUMMATION LOCATION=    102.000       -45.0000        0.00000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    40040.47
 FY   =   -252228.2
 FZ   =    84723.32
 MX   =    9513404.
 MY   =   -1256247.
 MZ   = -0.1429771E+08

SUMMATION POINT=  102.00      -45.000       0.0000

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     600 NODES (OF     17051  DEFINED) SELECTED FROM
     550 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = -102.0 LINE A


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND   -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      30  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.
```

```
NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=  -102.000       -45.0000        0.00000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    234106.7
 FY   =    11914.71
 FZ   =    400694.7
 MX   =   -1795782.
 MY   = -0.1148434E+08
 MZ   =  0.1029757E+08

SUMMATION POINT= -102.00      -45.000       0.0000

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     600 NODES (OF     17051  DEFINED) SELECTED FROM
     550 SELECTED ELEMENTS BY NELE COMMAND.

next strip z = 102 to 222 Lines 8 to 10


Select all nodes in pad only


ESEL  FOR LABEL= TYPE  FROM      1 TO      1 BY     1

    9056  ELEMENTS (OF     15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

   11550 NODES (OF     17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip x direction z = 102 to 222


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN  101.90      AND    222.10
  KABS=  0.  TOLERANCE= 0.120200E-05

     255  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     160 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
     255 SELECTED NODES BY  ENOD COMMAND.

Internal forces at x = 714.0 LINE E


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  713.90      AND    714.10
  KABS=  0.  TOLERANCE= 0.200000E-08
```

```
      15  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    714.000       -45.0000        162.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    283952.0
 FY   =   -184952.9
 FZ   =    477778.5
 MX   =   -9865556.
 MY   =   0.1114858E+08
 MZ   =   0.1485651E+08

SUMMATION POINT=  714.00      -45.000       162.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     255 NODES (OF     17051  DEFINED) SELECTED FROM
     160 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 510.0 LINE D


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND    510.10
  KABS=  0.  TOLERANCE= 0.612200E-05

     195  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     120 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
     195 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  509.90      AND    510.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      15  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    510.000       -45.0000        162.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    10178.32
 FY   =   -119097.3
 FZ   =    224102.5
 MX   =    647701.2
 MY   =    4517659.
 MZ   =    2597690.

SUMMATION POINT=  510.00      -45.000       162.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.
```

```
     195 NODES (OF     17051  DEFINED) SELECTED FROM
     120 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 306.0 LINE C


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND    306.10
  KABS=  0.  TOLERANCE= 0.408200E-05

     135  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      80 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
     135 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  305.90      AND    306.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      15  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    306.000       -45.0000        162.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -141235.7
 FY   =   -115063.1
 FZ   =    204973.3
 MX   =    1545249.
 MY   =    3466001.
 MZ   =    150096.7

SUMMATION POINT=  306.00      -45.000       162.00

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     135 NODES (OF     17051  DEFINED) SELECTED FROM
      80 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = 102.0 LINE B


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND    102.10
  KABS=  0.  TOLERANCE= 0.204200E-05

      75  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      40 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
      75 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN  101.90      AND    102.10
```

```
  KABS=  0.  TOLERANCE= 0.200000E-08

      15  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   102.000      -45.0000       162.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =  -246062.2
 FY   =  -116171.0
 FZ   =   148162.3
 MX   =   3842429.
 MY   =   144069.6
 MZ   =  -3002323.

SUMMATION POINT=  102.00     -45.000      162.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      75 NODES (OF    17051  DEFINED) SELECTED FROM
      40 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at x = -102.0 LINE A


RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN -102.10     AND  -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      15  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=  -102.000      -45.0000       162.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   219736.8
 FY   =   24899.70
 FZ   =   214611.9
 MX   = -0.1117283E+08
 MY   =  -2788303.
 MZ   =   8945723.

SUMMATION POINT= -102.00     -45.000      162.00

   15348  ELEMENTS (OF    15348  DEFINED) SELECTED BY  EALL  COMMAND.

   17051  NODES (OF    17051  DEFINED) SELECTED BY NALL  COMMAND.

********************************************************************************
********************************************************************************
************************  LOAD CASE 4 **********************************
```

```
USE LOAD STEP      4   SUBSTEP      0   FOR LOAD CASE 0

SET COMMAND GOT LOAD STEP=      4   SUBSTEP=      1   CUMULATIVE ITERATION=     30
  TIME/FREQUENCY=  4.0000
TITLE= Pad, HE(1), 20 Casks, 515 Kips N 45 W (Z,X), Soft Rock

SECTION THE PAD IN TO 4 NORTH-SOUTH Z-DIRECTION STRIPS

Select all nodes in pad only


ESEL  FOR LABEL= TYPE  FROM      1 TO      1 BY     1

    9056  ELEMENTS (OF     15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT       ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

   11550 NODES (OF     17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip Z direction x = -102 to 102 Lines A to B


RESELECT      FOR ITEM=LOC  COMPONENT=X      BETWEEN -102.10      AND    102.10
  KABS=  0.  TOLERANCE= 0.204200E-05

    3000  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT       ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2830 ELEMENTS (OF     15348  DEFINED) SELECTED FROM
    3000 SELECTED NODES BY  ENOD COMMAND.

Internal forces at Z = 222.0 LINE 10


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN  221.90      AND    222.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF     17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    0.00000       -45.0000        222.000

***** SUMMATION OF TOTAL     FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    271996.1
 FY   =   -325352.1
 FZ   =    664003.7
 MX   = -0.2764657E+08
 MY   =   -4219168.
 MZ   =    523788.3

SUMMATION POINT=  0.0000      -45.000       222.00
```

```
SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    3000 NODES (OF    17051  DEFINED) SELECTED FROM
    2830 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = 162.0 LINE 9


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND   162.10
  KABS=  0.  TOLERANCE= 0.120020E-04

    2975  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2810 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2975 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN  161.90     AND   162.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   0.00000      -45.0000       162.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    102685.6
 FY   =   -362194.3
 FZ   =    727817.8
 MX   = -0.1044589E+08
 MY   =    7487448.
 MZ   =   -9249806.

SUMMATION POINT=  0.0000     -45.000      162.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2975 NODES (OF    17051  DEFINED) SELECTED FROM
    2810 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = 102.0 LINE 8


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND   102.10
  KABS=  0.  TOLERANCE= 0.114020E-04

    2950  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2790 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
```

```
    2950 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN  101.90      AND   102.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    0.00000       -45.0000        102.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    65696.72
 FY   =   -343321.5
 FZ   =    840754.3
 MX   =    6379130.
 MY   =   0.1036497E+08
 MZ   =  -0.1470426E+08

SUMMATION POINT=  0.0000      -45.000       102.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2950 NODES (OF    17051  DEFINED) SELECTED FROM
    2790 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -102.0 LINE 7


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -101.90
  KABS=  0.  TOLERANCE= 0.936200E-05

    2375  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2240 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2375 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -102.10      AND  -101.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    0.00000       -45.0000       -102.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -68081.30
 FY   =   -399884.5
 FZ   =    922218.0
 MX   =    3262280.
 MY   =    9956829.
 MZ   =   -6918985.
```

```
SUMMATION POINT=  0.0000      -45.000      -102.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2375 NODES (OF    17051  DEFINED) SELECTED FROM
    2240 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -306.0 LINE 6


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -305.90
  KABS=  0.  TOLERANCE= 0.732200E-05

    1800  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    1690 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1800 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -306.10     AND  -305.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   0.00000      -45.0000      -306.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =  -145268.3
 FY   =  -438641.3
 FZ   =   831122.4
 MX   =   7631121.
 MY   =  0.1025612E+08
 MZ   =  -5242118.

SUMMATION POINT=  0.0000      -45.000      -306.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1800 NODES (OF    17051  DEFINED) SELECTED FROM
    1690 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -510.0 LINE 5


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -509.90
  KABS=  0.  TOLERANCE= 0.528200E-05

    1225  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.
```

```
    1140 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    1225 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -510.10      AND  -509.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   0.00000       -45.0000       -510.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -213743.7
 FY   =   -465772.4
 FZ   =    638180.4
 MX   =  0.1835066E+08
 MY   =  0.1125116E+08
 MZ   =   -9212283.

SUMMATION POINT=  0.0000      -45.000      -510.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    1225 NODES (OF    17051  DEFINED) SELECTED FROM
    1140 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -714.0 LINE 4


RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -1038.1      AND  -713.90
  KABS=  0.  TOLERANCE= 0.324200E-05

      650  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

     590 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
     650 SELECTED NODES BY  ENOD COMMAND.

RESELECT      FOR ITEM=LOC  COMPONENT=Z      BETWEEN -714.10      AND  -713.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   0.00000       -45.0000       -714.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -277047.9
 FY   =   -373012.0
 FZ   =    307826.1
 MX   =  0.2800738E+08
```

```
 MY   =  0.1030657E+08
 MZ   = -0.1106170E+08

SUMMATION POINT=  0.0000      -45.000      -714.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

     650 NODES (OF    17051  DEFINED) SELECTED FROM
     590 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -918.0 LINE 3


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -917.90
  KABS=  0.  TOLERANCE= 0.120200E-05

      75  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      40 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
      75 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -918.10     AND  -917.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   0.00000      -45.0000      -918.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =  -315394.8
 FY   =  -137725.0
 FZ   =  -224138.9
 MX   =  0.1033976E+08
 MY   =   7939878.
 MZ   =  -186997.3

SUMMATION POINT=  0.0000      -45.000      -918.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      75 NODES (OF    17051  DEFINED) SELECTED FROM
      40 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -978.0 LINE 2


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -977.90
  KABS=  0.  TOLERANCE= 0.602000E-06

      50  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.
```

```
SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

      20 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
      50 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -978.10     AND  -977.90
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    0.00000       -45.0000       -978.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =   -311007.4
 FY   =   -61873.98
 FZ   =   -351226.2
 MX   =   0.1760352E+08
 MY   =    8115501.
 MZ   =   -8954008.

SUMMATION POINT=  0.0000      -45.000      -978.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

      50 NODES (OF    17051  DEFINED) SELECTED FROM
      20 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = -1038.0 LINE 1


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND  -1037.9
  KABS=  0.. TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    0.00000       -45.0000       -1038.00

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    365609.3
 FY   =   -14626.02
 FZ   =    405828.1
 MX   = -0.1902096E+08
 MY   =   0.1218300E+08
 MZ   =    8954008.

SUMMATION POINT=  0.0000      -45.000      -1038.0
next strip x = 102 to 306 Lines B to C

Select all nodes in pad only
```

```
ESEL  FOR LABEL= TYPE  FROM     1 TO     1 BY    1

    9056  ELEMENTS (OF    15348  DEFINED) SELECTED BY  ESEL  COMMAND.

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

   11550 NODES (OF    17051  DEFINED) SELECTED FROM
    9056 SELECTED ELEMENTS BY NELE COMMAND.

select strip Z direction


RESELECT     FOR ITEM=LOC  COMPONENT=X     BETWEEN  101.90     AND   306.10
  KABS=  0.  TOLERANCE= 0.204200E-05

    3000  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2830 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    3000 SELECTED NODES BY  ENOD COMMAND.

Internal forces at Z = 222.0 LINE 10


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN  221.90     AND   222.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=   204.000      -45.0000       222.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX  =    451442.1
 FY  =   -357842.4
 FZ  =    674342.5
 MX  = -0.3049559E+08
 MY  = -0.1342376E+08
 MZ  =    3876025.

SUMMATION POINT=  204.00     -45.000      222.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    3000 NODES (OF    17051  DEFINED) SELECTED FROM
    2830 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = 162.0 LINE 9


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND   162.10
```

```
  KABS=  0.  TOLERANCE= 0.120020E-04

    2975  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2810 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2975 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN  161.90     AND   162.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    204.000       -45.0000       162.000

***** SUMMATION OF TOTAL    FORCES AND MOMENTS IN GLOBAL COORDINATES *****
 FX   =    414198.0
 FY   =   -371082.5
 FZ   =    589026.6
 MX   = -0.1006022E+08
 MY   = -0.1207171E+08
 MZ   =   -5130050.

SUMMATION POINT=  204.00      -45.000       162.00

SELECT      ALL NODES HAVING ANY ELEMENT IN ELEMENT SET.

    2975 NODES (OF    17051  DEFINED) SELECTED FROM
    2810 SELECTED ELEMENTS BY NELE COMMAND.

Internal forces at Z = 102.0 LINE 8


RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN -1038.1     AND   102.10
  KABS=  0.  TOLERANCE= 0.114020E-04

    2950  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

SELECT      ONLY ELEMENTS COMPLETELY CONTAINED WITHIN NODE SET.

    2790 ELEMENTS (OF    15348  DEFINED) SELECTED FROM
    2950 SELECTED NODES BY  ENOD COMMAND.

RESELECT     FOR ITEM=LOC  COMPONENT=Z     BETWEEN  101.90     AND   102.10
  KABS=  0.  TOLERANCE= 0.200000E-08

      25  NODES (OF    17051  DEFINED) SELECTED BY  NSEL  COMMAND.

NODE FOR MOMENT SUMMATION=        0
MOMENT SUMMATION LOCATION=    204.000       -45.0000       102.000
```