Foweraker House, Botanic gardens

PRK 1566 BLDG 017 EQ2

Detailed Engineering Evaluation(Rev R1)

Quantitative Assessment Report

Christchurch city council

Foweraker House
Detailed Engineering Evaluation

Quantitative Assessment Report

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Foweraker House, Botanic Gardens
PRK 1566 BLDG 017 EQ2

Detailed Engineering Evaluation
Quantitative Report - SUMMARY
Final R1

Hagley Park, Botanic Gardens, Christchurch

Background
This is a summary of the quantitative report for the building structure at Hagley Park, Botanic Gardens (Foweraker House), and is based on the Detailed Engineering Evaluation Procedure document (draft) issued by the Structural Advisory Group on 19 July 2011, visual inspections on 09 March 2011 and November 2011, available drawings and calculations.

Key Damage Observed
Key damage observed includes:-

- Minor cracks at the top of the frame columns at the beam intersection on the East and West walls.
- There are no surrounding buildings to consider within immediate proximity of the structure.
- No evidence of ground damage or surface expression of liquefaction was visible in the immediate vicinity of the building, and no surface expression was observed elsewhere on the site.
- No signs of settlement have been observed in the floor or walls of the building. This is consistent with the observations of adjacent buildings.
- The form and depth of the foundations is unknown, however it is expected that the building is supported on shallow concrete strip footings which are assumed to be undamaged.

Critical Structural Weaknesses
The following critical structural weaknesses have been identified:

a) No Critical Structural Weaknesses have been identified in either the qualitative or quantitative assessments.

Indicative Building Strength (from quantitative assessment)
Based on the information available, and from undertaking a quantitative assessment, the building's post-earthquake capacity has been calculated as 40% NBS.

Recommendations
It is recommended that:

a) A bracing element should be re-installed into the roof of the glasshouse to mirror the existing. This would bring the capacity of the building to >67% NBS.

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1 Introduction

Opus International Consultants Limited has been engaged by Christchurch City Council (CCC) to undertake a detailed seismic evaluation of Foweraker House, located in the Christchurch Botanic Gardens, following the M6.3 Christchurch earthquake on 22 February 2011.

The purpose of which is to determine if the building is classed as being earthquake prone in accordance with the Building Act 2004.

The seismic evaluation and reporting have been undertaken based on the qualitative and quantitative procedures detailed in the Detailed Engineering Evaluation Procedure (DEEP) document (draft) issued by the Structural Engineering Society (SESOC) on 19 July 2011.

2 Compliance

This section contains a brief summary of the requirements of the various statutes and authorities that control activities in relation to buildings in Christchurch at present.

2.1 Canterbury Earthquake Recovery Authority (CERA)

CERA was established on 28 March 2011 to take control of the recovery of Christchurch using powers established by the Canterbury Earthquake Recovery Act enacted on 18 April 2011. This act gives the Chief Executive Officer of CERA wide powers in relation to building safety, demolition and repair. Two relevant sections are:

Section 38 – Works

This section outlines a process in which the chief executive can give notice that a building is to be demolished and if the owner does not carry out the demolition, the chief executive can commission the demolition and recover the costs from the owner or by placing a charge on the owners' land.

Section 51 – Requiring Structural Survey

This section enables the chief executive to require a building owner, insurer or mortgagee to carry out a full structural survey before the building is re-occupied.

We understand that CERA require a detailed engineering evaluation to be carried out for all buildings (other than those exempt from the Earthquake Prone Building definition in the Building Act). CERA have adopted the Detailed Engineering Evaluation Procedure (DEEP) document (draft) issued by the Structural Engineering Society (SESOC) on 19 July 2011. This document sets out a methodology for both initial qualitative and detailed quantitative assessments.

It is anticipated that a number of factors, including the following, will determine the extent of evaluation and strengthening level required:

1. The importance level and occupancy of the building.
2. The placard status and amount of damage.
3. The age and structural type of the building.
4. Consideration of any critical structural weaknesses.

Any building with a capacity of less than 34% of new building standard (including consideration of critical structural weaknesses) will need to be strengthened to a target of 67% as required by the CCC Earthquake Prone Building Policy.

2.2 Building Act

Several sections of the Building Act are relevant when considering structural requirements:

Section 112 - Alterations

This section requires that an existing building complies with the relevant sections of the Building Code to at least the extent that it did prior to the alteration.

This effectively means that a building cannot be weakened as a result of an alteration (including partial demolition).

Section 115 – Change of Use

This section requires that the territorial authority (in this case Christchurch City Council (CCC)) is satisfied that the building with a new use complies with the relevant sections of the Building Code 'as near as is reasonably practicable'.

This is typically interpreted by CCC as being 67% of the strength of an equivalent new building. This is also the minimum level recommended by the New Zealand Society for Earthquake Engineering (NZSEE).

Section 121 – Dangerous Buildings

This section was extended by the Canterbury Earthquake (Building Act) Order 2010, and defines a building as dangerous if:

1. In the ordinary course of events (excluding the occurrence of an earthquake), the building is likely to cause injury or death or damage to other property; or
2. In the event of fire, injury or death to any persons in the building or on other property is likely because of fire hazard or the occupancy of the building; or
3. There is a risk that the building could collapse or otherwise cause injury or death as a result of earthquake shaking that is less than a 'moderate earthquake' (refer to Section 122 below); or

4. There is a risk that other property could collapse or otherwise cause injury or death; or
5. A territorial authority has not been able to undertake an inspection to determine whether the building is dangerous.

Section 122 – Earthquake Prone Buildings

This section defines a building as earthquake prone (EPB) if its ultimate capacity would be exceeded in a 'moderate earthquake' and it would be likely to collapse causing injury or death, or damage to other property.

A moderate earthquake is defined by the building regulations as one that would generate loads 33% of those used to design an equivalent new building.

Section 124 – Powers of Territorial Authorities

This section gives the territorial authority the power to require strengthening work within specified timeframes or to close and prevent occupancy to any building defined as dangerous or earthquake prone.

Section 131 – Earthquake Prone Building Policy

This section requires the territorial authority to adopt a specific policy for earthquake prone, dangerous and insanitary buildings.

2.3 Christchurch City Council Policy

Christchurch City Council adopted their Earthquake Prone, Dangerous and Insanitary Building Policy in 2006. This policy was amended immediately following the Darfield Earthquake on 4 September 2010.

The 2010 amendment includes the following:

1. A process for identifying, categorising and prioritising Earthquake Prone Buildings, commencing on 1 July 2012;

2. A strengthening target level of 67% of a new building for buildings that are Earthquake Prone;

3. A timeframe of 15-30 years for Earthquake Prone Buildings to be strengthened; and,

4. Repair works for buildings damaged by earthquakes will be required to comply with the above.

The council has stated their willingness to consider retrofit proposals on a case by case basis, considering the economic impact of such a retrofit.

If strengthening works are undertaken, a building consent will be required. A requirement of the consent will require upgrade of the building to comply 'as near as is reasonably practicable' with:

- The accessibility requirements of the Building Code.
- The fire requirements of the Building Code. This is likely to require a fire report to be submitted with the building consent application.

2.4 Building Code

The Building Code outlines performance standards for buildings and the Building Act requires that all new buildings comply with this code. Compliance Documents published by The Department of Building and Housing can be used to demonstrate compliance with the Building Code.

On 19 May 2011, Compliance Document B1: Structure was amended to include increased seismic design requirements for Canterbury as follows:

- 36% increase in the basic seismic design load for Christchurch (Z factor increased from 0.22 to 0.3);
- Increased serviceability requirements.

2.5 Institution of Professional Engineers New Zealand (IPENZ) Code of Ethics

One of the core ethical values of professional engineers in New Zealand is the protection of life and safeguarding of people. The IPENZ Code of Ethics requires that:

Members shall recognise the need to protect life and to safeguard people, and in their engineering activities shall act to address this need.

1.1 Giving Priority to the safety and well-being of the community and having regard to this principle in assessing obligations to clients, employers and colleagues.

1.2 Ensuring that responsible steps are taken to minimise the risk of loss of life, injury or suffering which may result from your engineering activities, either directly or indirectly.

All recommendations on building occupancy and access must be made with these fundamental obligations in mind.

3 Earthquake Resistance Standards

For this assessment, the building's earthquake resistance is compared with the current New Zealand Building Code requirements for a new building constructed on the site. This is expressed as a percentage of new building standard (%NBS). The loadings are in accordance with the current earthquake loading standard NZS1170.5 [1].

A generally accepted classification of earthquake risk for existing buildings in terms of %NBS that has been proposed by the NZSEE 2006 [2] is presented in Figure 1 below.

Description	Grade	Risk	%NBS	Existing Building Structural Performance	Improvement of Structural Performance	
					Legal Requirement	NZSEE Recommendation
Low Risk Building	A or B	Low	Above 67	Acceptable (improvement may be desirable)	The Building Act sets no required level of structural improvement (unless change in use) This is for each TA to decide. Improvement is not limited to 34%NBS.	100%NBS desirable. Improvement should achieve at least 67%NBS
Moderate Risk Building	B or C	Moderate	34 to 66	Acceptable legally. Improvement recommended		Not recommended. Acceptable only in exceptional circumstances
High Risk Building	D or E	High	33 or lower	Unacceptable (Improvement required under Act)	Unacceptable	Unacceptable

Figure 1: NZSEE Risk Classifications Extracted from table 2.2 of the NZSEE 2006 AISPBE Guidelines

Table 1 below compares the percentage NBS to the relative risk of the building failing in a seismic event with a 10% risk of exceedance in 50 years (i.e. 0.2% in the next year). It is noted that the current seismic risk in Christchurch results in a 6% risk of exceedance in the next year.

Table 1: %NBS compared to relative risk of failure

Percentage of New Building Standard (%NBS)	Relative Risk (Approximate)
>100	<1 time
80-100	1-2 times
67-80	2-5 times
33-67	5-10 times
20-33	10-25 times
<20	>25 times

3.1 Minimum and Recommended Standards

Based on governing policy and recent observations, Opus makes the following general recommendations:

3.1.1 Occupancy

- The Canterbury Earthquake Order[i] in Council 16 September 2010, modified the meaning of "dangerous building" to include buildings that were identified as being EPB's. As a result of this, we would expect such a building would be issued with a Section 124 notice, by the Territorial Authority, or CERA acting on their behalf, once they are made aware of our assessment. Based on information received from CERA to date, this notice is likely to prohibit occupancy of the building (or parts thereof), until its seismic capacity is improved to the point that it is no longer considered an EPB.

3.1.2 Cordoning

- Where there is an overhead falling hazard, or potential collapse hazard of the building, the areas of concern should be cordoned off in accordance with current CERA/Christchurch City Council guidelines.

3.1.3 Strengthening

- Industry guidelines (NZSEE 2006 [2]) strongly recommend that every effort be made to achieve improvement to at least 67%NBS. A strengthening solution to anything less than 67%NBS would not provide an adequate reduction to the level of risk.

- It should be noted that full compliance with the current building code requires building strength of 100%NBS.

3.1.4 Our Ethical Obligation

- In accordance with the IPENZ code of ethics, we have a duty of care to the public. This obligation requires us to identify and inform CERA of potentially dangerous buildings; this would include earthquake prone buildings.

[i] This Order only applies to buildings within the Christchurch City, Selwyn District and Waimakariri District Councils authority

4 Background Information

4.1 Building Description

Foweraker House was constructed circa 1967 and is located in Hagley Park, Botanic Gardens. The building has approximate plan dimensions 9m long x 4m wide with a height to ridge of 2.8m. No intrusive investigation of the foundations has been carried out, however, the foundations are assumed to be shallow concrete strip footings.

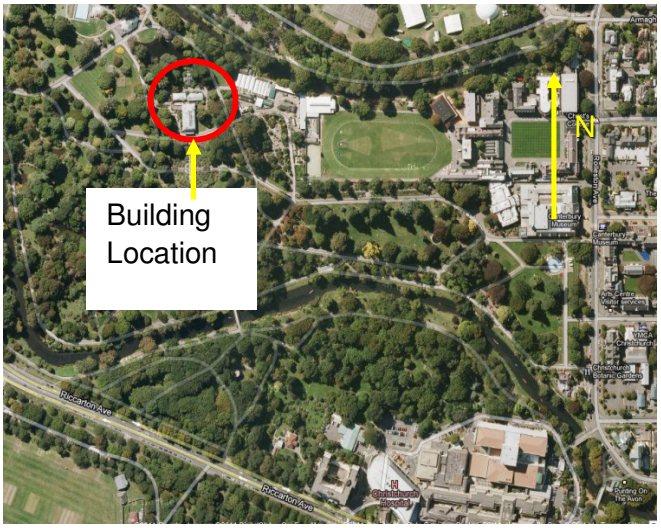

Figure 2 - Site Location Plan

The super-structure consists of two distinct parts; the lower reinforced concrete frame with masonry infill; and an aluminium framed roof which is fully glazed.

The lower reinforced concrete frame consists of columns spaced at approximately 2.2m centres with a continuous concrete cill beam which is split about the door openings. The frame is in filled with brickwork masonry panels estimated to be 1 wythe thick and the vertical height of the infill panels is approximately 0.9m high.

The superstructure is formed from aluminium frames at regular centres with short vertical legs at the wall positions and rafter sections extending from eaves to ridge. At every other frame line a knee brace is provided along with a raised tie between opposing slope rafters, effectively forming a truss. The raised tie is supported mid span by a vertical tie from the ridge. At the East end of the roof diagonal bracing is provided from the ridge at the gable end down to the eaves level six frames into the building on the North slope only. A number of vertical braces exist between cill and eaves level to all sides of the building, 4 each side longitudinally and 2 each side transversely.

Internally the central walkway is lined either side by raised beds which are formed with pre-cast concrete planks with soil over which span between a shelf angle fixed internally between columns and a hollow section post/ steel beam arrangement. Springing off the edge of the bed support is a galvanised steel mesh screen extending up to the raised tie of the roof frame work.

4.2 Gravity load resisting system

An overview of the existing gravity load system has been described below.

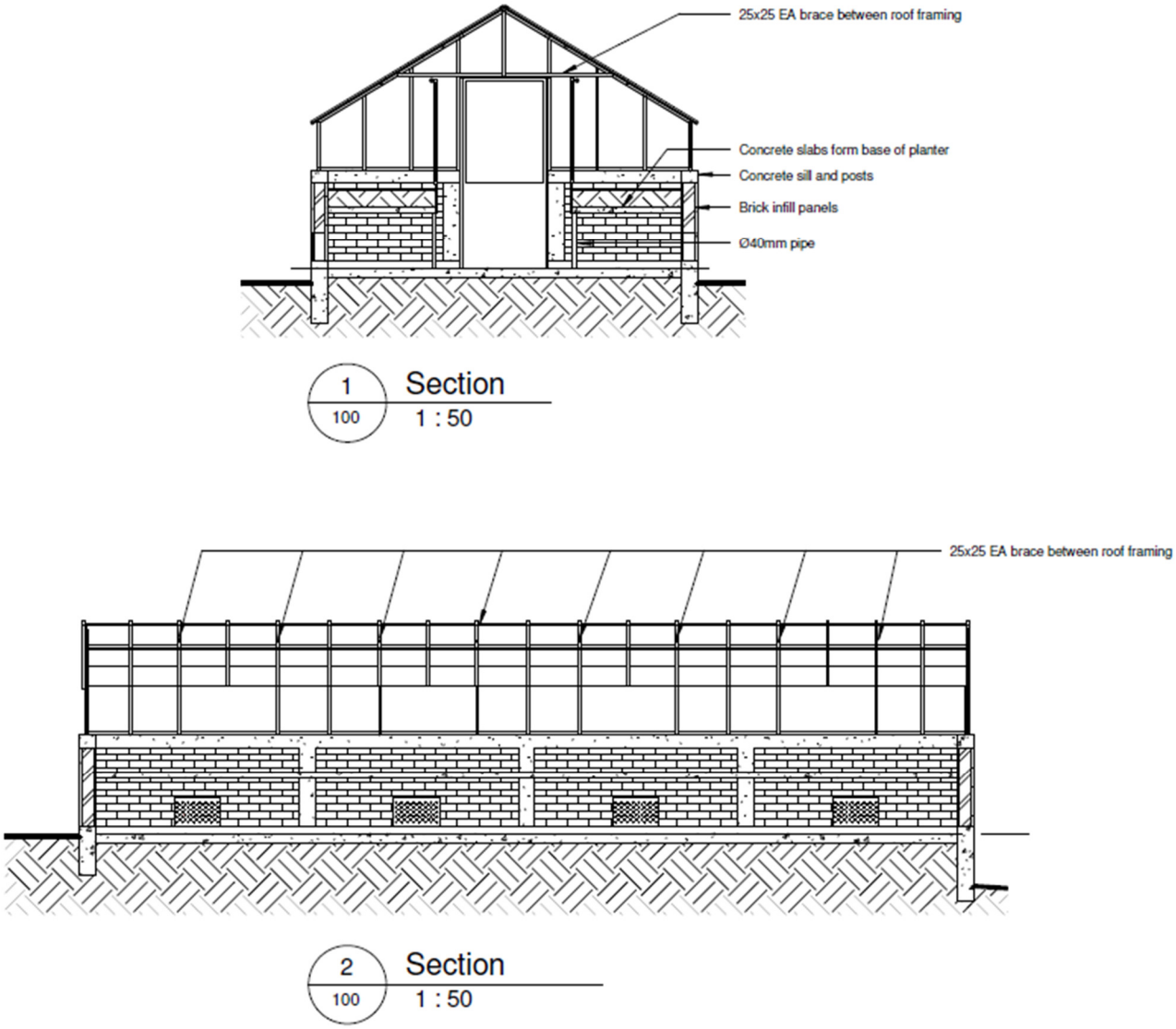

Figure 3 – Foweraker House typical section through glasshouse

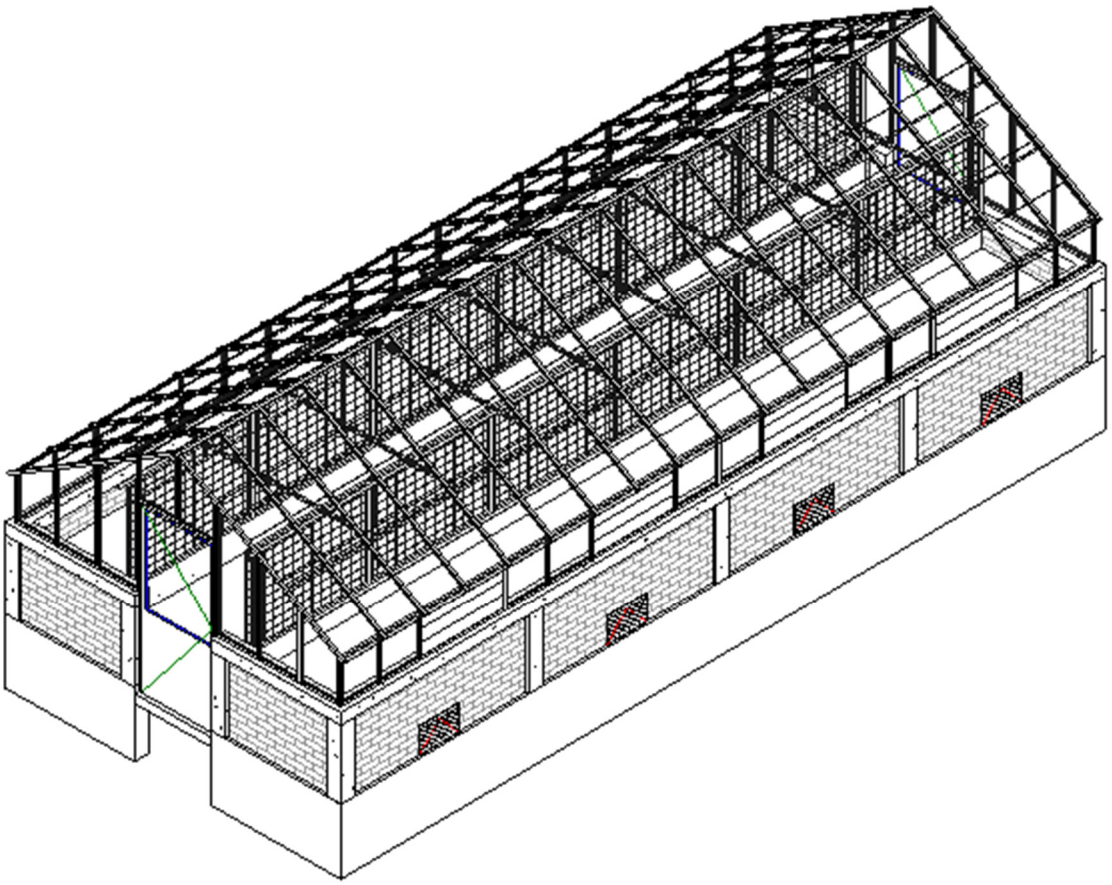

Figure 4 – Foweraker House 3D view

Transverse aluminium trusses alternate between aluminium rafters which span from the ridge to eaves. Aluminium purlins frame out the glass and transfer gravity forces back to the supporting rafters and trusses.

The trusses span transversely between the North and South side walls. The vertical legs forming the side elevation of the aluminium roof structure appear to be cast into the reinforced concrete cill beam.

Vertical loads are transmitted through the concrete cill beam into the brick infill panels, it is assumed the concrete and brick walls are supported by shallow strip footings.

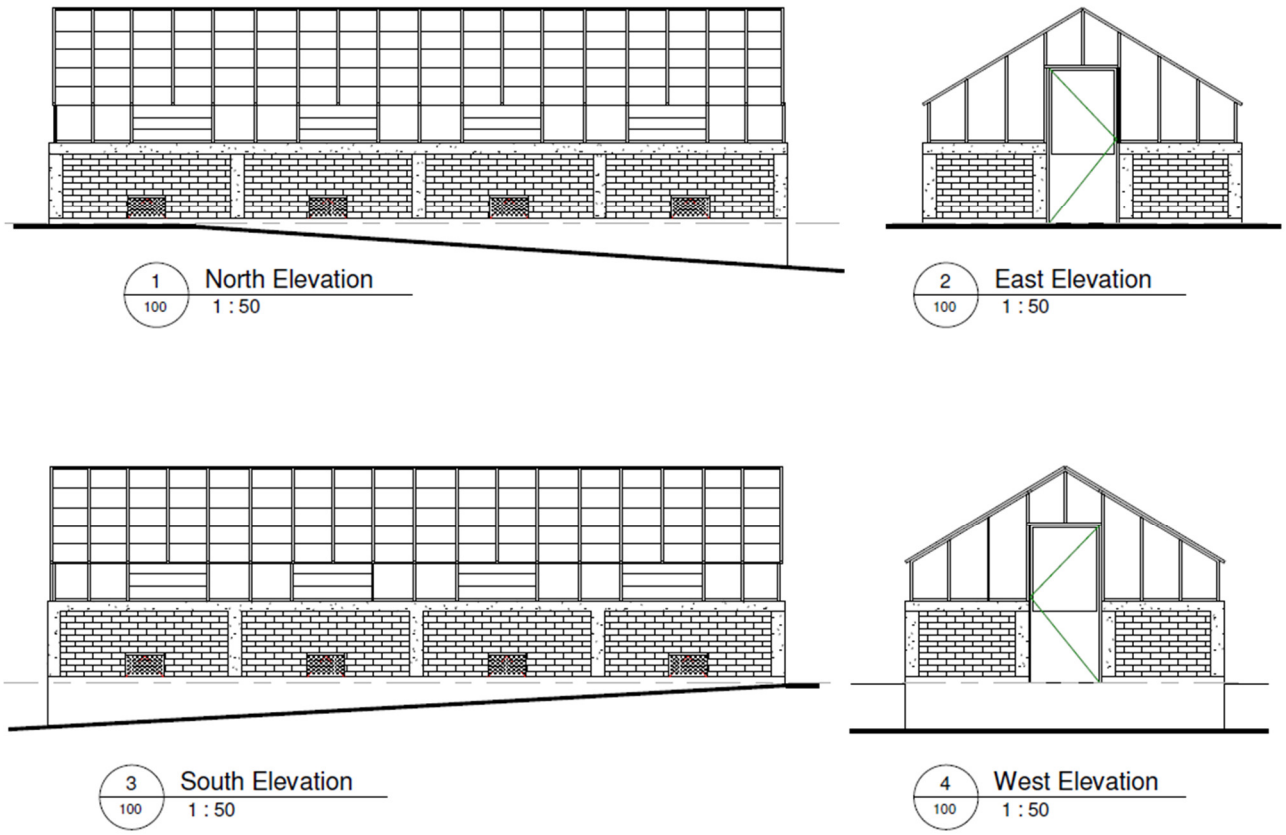

Figure 5 – General elevations of Foweraker House

4.3 Seismic Load Resisting System

4.3.1 Longitudinal – East/ West Direction:

Vertical braces between the cill beam and eaves levels resist horizontal forces from the roof structure. Between the eaves and ridge levels, the single brace that exists on the North roof slope at the East end may result in unfavourable actions such as a stiffness irregularity and torsion due its asymmetric location.

Horizontal forces from the aluminium and glass roof structure enter the concrete cill beam and are resisted by the in-plane brick infill panels which brace the reinforced concrete column arrangement. This force is subsequently distributed to the ground in friction.

Horizontal forces from the concrete units and planting beds will be resisted through friction between the units and supporting shelf angle along the two side walls.

4.3.2 Transverse – North/ South direction:

The aluminium trusses resist horizontal forces through axial capacity of the truss members and their connections in shear. The rafters and purlins transfer horizontal forces back to the truss positions which are spaced at approximately 1280mm centres.

The concrete cill beam running the length of the North and South side walls spans horizontally, transferring the roof force to the concrete columns. In addition, horizontal force generated from the concrete units and planting beds are transferred to the column positions by the steel shelf angle fixed between.

The ability of the columns to resist horizontal forces by way of cantilever action will depend on their strength and the type of footing. A shallow strip footing will offer limited rotational capacity and without cantilever action of the columns the cill beam will be susceptible to large horizontal deflections.

Horizontal forces from the two gable ends will be resisted by in-plane action of the brick infill panels, which is in turn distributed to the ground by friction.

4.4 Survey

4.4.1 Post 22 February 2011 Rapid Assessment

A structural (Level 2) assessment of the building was carried out on 9th March 2011 by Opus International Consultants Limited. These inspections included external and internal visual inspections of all the structural elements only, without the benefit of any opening up works.

4.4.2 Further Inspections

A damage survey was conducted in November 2011 by Opus International Consultants Limited, refer to section 5 and Appendix A (photographs) of this report.

Additional intrusive investigation and calculations of the main structure was carried out by Structural concepts on 30th August 2013 refer to Appendix 4 of this report.

4.5 Original Documentation

Drawings of the structure were not available for this assessment.

5 Structural Damage

The following damage has been noted:

5.1 Surrounding Buildings

No buildings are within immediate proximity of Foweraker House.

5.2 Residual Displacements

No evidence of ground damage or surface expression of liquefaction was visible in the immediate vicinity of the building, and no surface expression was observed elsewhere on the site. No signs of settlement have been observed in the floor or walls of the building. This is consistent with the observations of adjacent buildings.

5.3 Foundations

The form and depth of the foundations has been recorded in Appendix 4, the building is supported on shallow concrete strip footings which were undamaged in the areas of inspection.

5.4 Primary Gravity Structure

There are signs of minor cracks at the top of the frame columns at the beam intersection on the East and West walls.

6 General Observations

The general condition of the building appears to be reasonable considering the age. There are signs of minor historic cracking to the concrete structure in a number of locations.

7 Detailed Seismic Assessment

The detailed seismic assessment has been based on the NZSEE 2006 [2] guidelines for the "Assessment and Improvement of the Structural Performance of Buildings in Earthquakes" together with the "Guidance on Detailed Engineering Evaluation of Earthquake Affected Non-residential Buildings in Canterbury, Part 2 Evaluation Procedure" [3] draft document prepared by the Engineering Advisory Group on 19 July 2011, and the SESOC guidelines "Practice Note – Design of Conventional Structural Systems Following Canterbury Earthquakes" [5] issued on 21 December 2011.

7.1 Qualitative Assessment Summary

An initial qualitative assessment of the buildings was undertaken in accordance with the DEEP guidelines and involved a desktop review of existing structural and geotechnical information, including existing drawings and calculations, and some non-intrusive and intrusive site investigation. The purpose of the assessment was to determine the likely building performance and damage patterns, to identify any potential critical structural weaknesses or collapse hazards, to confirm the require scope of the Quantitative assessment, and to make an initial assessment of the likely building strength in terms of % NBS.

7.2 Critical Structural Weaknesses

The term Critical Structural Weakness (CSW) refers to a component of a building that could contribute to increased levels of damage or cause premature collapse of a building.

No singular component or structural system forming the building structure has been found to be a Critical Structural Weakness following the qualitative and quantitative assessments.

7.3 Quantitative Assessment Methodology

The assessment assumptions and methodology have been included in Appendix 2 of the report due to the technical nature of the content. A brief summary follows:

In-plane models of the frames forming the super-structure were created along with a 3D model of the supporting concrete with brick infill structure. An assessment of the building capacities was made based on the actions determined by equivalent static forces established from NZS1170.5, with an updated Z factor of 0.3 (B1/VM1).

7.4 Limitations and Assumptions in Results

Our analysis and assessment is based on an assessment of the building in its undamaged state. Therefore the current capacity of the building will be lower than that stated.

The results have been reported as a %NBS and the stated value is that obtained from our analysis and assessment. Despite the use of best national and international practice in this analysis and assessment, this value contains uncertainty due to the many assumptions and simplifications which are made during the assessment. These include:

- Simplifications made in the analysis, including boundary conditions such as foundation fixity.
- Assessments of material strengths based on limited drawings, specifications and site inspections
- The normal variation in material properties which change from batch to batch.
- Approximations made in the assessment of the capacity of each element, especially when considering the post-yield behaviour.

7.5 Quantitative Assessment

A summary of the structural performance of the building is shown in the following tables. Note that the values given represent the worst performing elements in the building, as these effectively define the building's capacity. Other elements within the building may have significantly greater capacity when compared with the governing elements.

Table 2: Summary of Seismic Performance – Foweraker House, $\mu = 1.25$

Structural Element/System	Failure mode or description of limiting criteria based on elastic capacity of critical element.	Critical Structural Weakness and Collapse Hazard	% NBS based on calculated capacity (ULS)
Aluminium super-structure, Transverse frames	Failure governed by the extent the frame deflecting before glazing loses support and/ or induces forces that may damage the glazing.	No	>100%
Aluminium super-structure, Longitudinal, cill to eaves.	Failure limited by strut capacity of the vertical braces.	No	>100%
Aluminium super-structure, longitudinal, eaves to ridge	Existing asymmetric single brace may induce unfavourable stiffness and torsion. (Based on investigation works and calculations provided by Structural Concepts limited refer Appendix 4)	No	40%
RC Frame with brick infill, in-plane	In-plane capacity governed by shear and strut capacity of brick infill panels.	No	>100%
RC Frame with brick infill, out-of-plane	Failure governed by lateral deflection of the cill beam combined with the inability of columns to provide cantilever action. Excessive deflection will "spread" transverse frames which may result in collapse. (Based on investigation works and calculations provided by Structural Concepts limited refer Appendix 4)	No	>100%

7.6 Evaluation of Results

In the transverse direction the aluminium frames are rated greater than 100% NBS (ULS), this is partly due to the knee brace configuration adding stiffness in the plane of frames in conjunction with the relatively close spacing of the frames which reduces the overall demand per frame.

The concrete cill beams forming the reinforced concrete side frames of the building are susceptible to out-of-plane loading, i.e. in the force in the transverse direction. The ability of the columns to resist this force assuming they have sufficient flexural capacity will depend on the type of footing and bearing strata. The calculations have been based on the findings from the site inspections.

Longitudinally the aluminium frames are braced between eaves level and concrete cill beam level, there is adequate capacity in the bracing system to achieve greater than 100% NBS (ULS). However, as there is no reliable roof diaphragm, roof bracing is required to distribute gable end face loads and the force generated from the seismic weight of the roof itself back to the longitudinal lines of bracing (and to avoid unfavourable in-plane forces being induced by the glazing). As only one diagonal roof brace has been identified, the rating of the structure between eaves and ridge level longitudinally has been limited to 40% NBS (ULS).

The in-plane capacity of the concrete frames is governed by strut action of the infill brick masonry panels which perform well due to the relatively low seismic weight above cill beam level and the stocky geometry of the panels which achieve a rating of greater than 100% NBS (ULS).

At SLS the building performs adequately with no adverse deflections expected - both in the longitudinal and transverse directions - that are likely to cause loss of support to panes of glass. It is not anticipated that the concrete frames or brick infill panels will be subject to deformation at SLS.

The building capacity is 40%NBS and is limited by the missing bracing member. It is recommended that the brace is reinstalled to match the existing, this would bring the capacity of the two buildings to >67% NBS.

8 Summary of Geotechnical Appraisal

The building is located in an area that is assessed to have shallow gravels and low risk of liquefaction. Further investigations are recommended to be undertaken at design stage to assess the risk of liquefaction and mitigation measures if the building is to be strengthened.

9 Remedial Options

The building requires strengthening, with a target of increasing the seismic performance to as near as practicable to 100% NBS, and at least 67% NBS. Our conceptual strengthening scheme to achieve this would include addressing the distribution of roof and end face loads into longitudinal bracing.

10 Conclusions

a) The seismic performance of the building is governed by the bracing in the roof which is currently rated at 40%NBS (ULS). SLS performance is considered satisfactory for an Importance Level 2 building.

b) The building should be improved to achieve a rating of at least 67%NBS and therefore be considered as “Low Risk”.

11 Recommendations

a) A bracing element should be re-installed into the roof of the glasshouse to mirror the existing. This would bring the capacity of the building to >67% NBS.

12 Limitations

a) This report is based on an inspection of the structure of the buildings and focuses on the structural damage resulting from the 22 February 2011 Canterbury Earthquake and aftershocks only. Some structural damage is described but this is not intended to be a complete list of damage to structural items.

b) Our professional services are performed using a degree of care and skill normally exercised, under similar circumstances, by reputable consultants practicing in this field at this time.

c) This report is prepared for CCC to assist with assessing the remedial works required for council buildings and facilities. It is not intended for any other party or purpose.

d) This report has been written in conjunction with the inspection works and calculations that Structural Concepts Ltd have produced attached in Appendix 4.

13 References

[1] NZS 1170.5: 2004, *Structural design actions, Part 5 Earthquake actions,* Standards New Zealand.

[2] NZSEE: 2006, *Assessment and improvement of the structural performance of buildings in earthquakes,* New Zealand Society for Earthquake Engineering.

[3] Engineering Advisory Group, *Guidance on Detailed Engineering Evaluation of Earthquake Affected Non-residential Buildings in Canterbury, Part 2 Evaluation Procedure*, Draft Prepared by the Engineering Advisory Group, Revision 5, 19 July 2011.

[4] Engineering Advisory Group, *Guidance on Detailed Engineering Evaluation of Non-residential buildings, Part 3 Technical Guidance*, Draft Prepared by the Engineering Advisory Group, 13 December 2011.

[5] SESOC, *Practice Note – Design of Conventional Structural Systems Following Canterbury Earthquakes*, Structural Engineering Society of New Zealand, 21 December 2011.

Appendix 1 - Photographs

Foweraker House, Botanic Gardens, Christchurch		
No.	**Item description**	**Photo**
General		
1.	North East view	
2.	Internal view showing raised ties and mesh screening	

3.	View on underside of pre-cast units bearing on shelf angle	
4.	View on underside of pre-cast units bearing on post and beam arrangement	

Appendix 2 – Quantitative assessment methodology and assumptions

Quantitative Assessment

Methodology and Assumptions

1.1. Material Strength

Structural drawings were not available, the following material strengths were assumed:

Structural steel – f_y = 250 MPa

Concrete – f'_c = 30 MPa

1.2. Building Weights

Roof/glazing – 0.22 kPa

1.3. Seismic Parameters

T (estimated) = 0.40 sec

Z = 0.30

Importance Level 2

R = 1.0

N(T,D) = 1.0

Site subsoil class = D

μ = 1.25

1.4. Analysis Procedure

The transverse aluminium frames were assessed using an equivalent static method (ESM). Lumped masses were applied at eaves level and distributed gravity loads were included in the model which was analysed using an elastic software package.

The concrete cill beam was modelled using elastic software spanning between the two concrete gable frames and assumed the columns and cill beams did not have torsional stiffness.

The in-fill brick panel was checked as a strut by manual calculation in accordance with NZSEE 2006.

The in-fill brick panel was checked for out-of-plane loading in accordance with NZSEE 2006.

Appendix 3 – CERA DEEP data sheet

Detailed Engineering Evaluation Summary Data V1.11

Location

Building Name:	Foweraker House (below cill walls)			Reviewer:	Robert Davey
	Unit	No:	Street	CPEng No:	17912
Building Address:	Botanic Gardens, Christchurch			Company:	Opus International Consultants Ltd
Legal Description:				Company project number:	6-QUCCC.40
				Company phone number:	+64 3 363 5400
	Degrees	Min	Sec		
GPS south:	43	31	47.04	Date of submission:	13/09/2012
GPS east:	172	37	14.84	Inspection Date:	1-Nov-11
				Revision:	Final
Building Unique Identifier (CCC):	PRK_1566_BLDG_017 EQ2			Is there a full report with this summary?	yes

Site

Site slope:	flat	Max retaining height (m):	
Soil type:	gravel	Soil Profile (if available):	Unknown
Site Class (to NZS1170.5):	D		
Proximity to waterway (m, if <100m):	50	If Ground improvement on site, describe:	
Proximity to clifftop (m, if < 100m):			
Proximity to cliff base (m,if <100m):		Approx site elevation (m):	6.00

Building

No. of storeys above ground:	1	single storey = 1	Ground floor elevation (Absolute) (m):	6.00
Ground floor split?	no		Ground floor elevation above ground (m):	0.00
Storeys below ground	0			
Foundation type:	other (describe)		if Foundation type is other, describe:	Assumed concrete strip footings
Building height (m):	4.00		height from ground to level of uppermost seismic mass (for IEP only) (m):	6
Floor footprint area (approx):	36			
Age of Building (years):	44		Date of design:	1935-1965
Strengthening present?	no		If so, when (year)?	
			And what load level (%g)?	
Use (ground floor):	public		Brief strengthening description:	
Use (upper floors):	public			
Use notes (if required):				
Importance level (to NZS1170.5):	IL2			

Gravity Structure

Gravity System:	frame system		
Roof:	other (note)	describe system	N/A
Floors:	other (note)	describe sytem	concrete slab on grade
Beams:	cast-insitu concrete	overall depth x width (mm x mm)	
Columns:	cast-insitu concrete	typical dimensions (mm x mm)	
Walls:	non-load bearing	0	

Lateral load resisting structure

Lateral system along:	concrete frame with infill		**Note: Define along and across in detailed report!**	note total length of wall at ground (m):	9
Ductility assumed, μ:	1.25			wall thickness (m):	0.215
Period along:	0.40	0.15	from parameters in sheet	estimate or calculation?	estimated
Total deflection (ULS) (mm):				estimate or calculation?	
maximum interstorey deflection (ULS) (mm):				estimate or calculation?	
Lateral system across:	concrete frame with infill			note total length of wall at ground (m):	4
Ductility assumed, μ:	1.25			wall thickness (m):	0.215
Period across:	0.40	0.43	from parameters in sheet	estimate or calculation?	estimated
Total deflection (ULS) (mm):				estimate or calculation?	
maximum interstorey deflection (ULS) (mm):				estimate or calculation?	

Separations:

north (mm):		leave blank if not relevant
east (mm):		
south (mm):		
west (mm):		

Non-structural elements

Stairs:	other (specify)	describe	None
Wall cladding:	exposed structure	describe	brick
Roof Cladding:	Other (specify)	describe	glazing
Glazing:	aluminium frames		
Ceilings:	none		
Services(list):	Light fittings		

Available documentation

Architectural	none	original designer name/date	
Structural	none	original designer name/date	
Mechanical	none	original designer name/date	
Electrical	none	original designer name/date	
Geotech report	none	original designer name/date	

Damage

Site: (refer DEE Table 4-2)

Site performance:	Good		Describe damage:	None observed
Settlement:	none observed		notes (if applicable):	
Differential settlement:	none observed		notes (if applicable):	
Liquefaction:	none apparent		notes (if applicable):	
Lateral Spread:	none apparent		notes (if applicable):	
Differential lateral spread:	none apparent		notes (if applicable):	
Ground cracks:	none apparent		notes (if applicable):	
Damage to area:	none apparent		notes (if applicable):	

Building:

	Current Placard Status:	green		
Along	Damage ratio:	0%	Describe how damage ratio arrived at:	
	Describe (summary):	No apparent structural damage		
Across	Damage ratio:	0%	$Damage\_Ratio = \frac{(\%NBS(before) - \%NBS(after))}{\%NBS(before)}$	
	Describe (summary):	No apparent structural damage		
Diaphragms	Damage?:	no	Describe:	
CSWs:	Damage?:	no	Describe:	
Pounding:	Damage?:	no	Describe:	
Non-structural:	Damage?:	no	Describe:	

Recommendations

	Level of repair/strengthening required:	minor structural		Describe:	Out of plane bracing
	Building Consent required:	yes		Describe:	
	Interim occupancy recommendations:	partial occupancy		Describe:	
Along	Assessed %NBS before:	100%	51% %NBS from IEP below		
	Assessed %NBS after:	100%			
Across	Assessed %NBS before:	100%	51% %NBS from IEP below		
	Assessed %NBS after:	100%			

Detailed Engineering Evaluation Summary Data V1.11

Location

Building Name:	Foweraker House (Roof)			Reviewer:	Robert Davey
	Unit	No:	Street	CPEng No:	17912
Building Address:	Botanic Gardens, Christchurch			Company:	Opus International Consultants Ltd
Legal Description:				Company project number:	6-QUCCC.40
				Company phone number:	+64 3 363 5400
	Degrees	Min	Sec		
GPS south:	43	31	47.04	Date of submission:	13/09/2012
GPS east:	172	37	14.84	Inspection Date:	1-Nov-11
				Revision:	Final
Building Unique Identifier (CCC):	PRK_1566_BLDG_017 EQ2			Is there a full report with this summary?	yes

Site

Site slope:	flat	Max retaining height (m):	
Soil type:	gravel	Soil Profile (if available):	Unknown
Site Class (to NZS1170.5):	D		
Proximity to waterway (m, if <100m):	50	If Ground improvement on site, describe:	
Proximity to clifftop (m, if < 100m):			
Proximity to cliff base (m,if <100m):		Approx site elevation (m):	6.00

Building

No. of storeys above ground:	1	single storey = 1	Ground floor elevation (Absolute) (m):	6.00
Ground floor split?	no		Ground floor elevation above ground (m):	0.00
Storeys below ground	0			
Foundation type:	other (describe)		if Foundation type is other, describe:	Assumed concrete strip footings
Building height (m):	4.00		height from ground to level of uppermost seismic mass (for IEP only) (m):	6
Floor footprint area (approx):	36			
Age of Building (years):	44		Date of design:	1935-1965
Strengthening present?	no		If so, when (year)?	
			And what load level (%g)?	
Use (ground floor):	public		Brief strengthening description:	
Use (upper floors):	public			
Use notes (if required):				
Importance level (to NZS1170.5):	IL2			

Gravity Structure

Gravity System:	frame system		
Roof:	other (note)	describe system	aluminium framed
Floors:	other (note)	describe sytem	
Beams:	cast-insitu concrete	overall depth x width (mm x mm)	
Columns:	cast-insitu concrete	typical dimensions (mm x mm)	
Walls:	load bearing brick	#N/A	

Lateral load resisting structure

Lateral system along:	other (note)	**Note: Define along and across in detailed report!**	describe system	Braced (incomplete)
Ductility assumed, μ:	1.25			
Period along:	0.40	0.00	estimate or calculation?	estimated
Total deflection (ULS) (mm):			estimate or calculation?	
maximum interstorey deflection (ULS) (mm):			estimate or calculation?	
Lateral system across:	other (note)		describe system	Moment frames
Ductility assumed, μ:	1.25			
Period across:	0.40	0.00	estimate or calculation?	estimated
Total deflection (ULS) (mm):			estimate or calculation?	
maximum interstorey deflection (ULS) (mm):			estimate or calculation?	

Separations:

north (mm):		leave blank if not relevant
east (mm):		
south (mm):		
west (mm):		

Non-structural elements

Stairs:	other (specify)	describe	None
Wall cladding:	exposed structure	describe	
Roof Cladding:	Other (specify)	describe	glazing
Glazing:	aluminium frames		
Ceilings:	none		
Services(list):			

Available documentation

Architectural	none	original designer name/date	
Structural	none	original designer name/date	
Mechanical	none	original designer name/date	
Electrical	none	original designer name/date	
Geotech report	none	original designer name/date	

Damage

Site:

(refer DEE Table 4-2)			
Site performance:	Good	Describe damage:	None observed
Settlement:	none observed	notes (if applicable):	
Differential settlement:	none observed	notes (if applicable):	
Liquefaction:	none apparent	notes (if applicable):	
Lateral Spread:	none apparent	notes (if applicable):	
Differential lateral spread:	none apparent	notes (if applicable):	
Ground cracks:	none apparent	notes (if applicable):	
Damage to area:	none apparent	notes (if applicable):	

Building:

Current Placard Status:	green		
Along			
Damage ratio:	0%	Describe how damage ratio arrived at:	
Describe (summary):	No apparent structural damage		
Across			
Damage ratio:	0%	$Damage\_Ratio = \frac{(\%NBS(before) - \%NBS(after))}{\%NBS(before)}$	
Describe (summary):	No apparent structural damage		
Diaphragms			
Damage?:	no	Describe:	
CSWs:			
Damage?:	no	Describe:	
Pounding:			
Damage?:	no	Describe:	
Non-structural:			
Damage?:	no	Describe:	

Recommendations

Level of repair/strengthening required:	minor structural		Describe:	Complete roof bracing
Building Consent required:	yes		Describe:	
Interim occupancy recommendations:	partial occupancy		Describe:	
Along				
Assessed %NBS before:	40%	0% %NBS from IEP below		
Assessed %NBS after:	40%			
Across				
Assessed %NBS before:	100%	0% %NBS from IEP below		
Assessed %NBS after:	100%			

Appendix 4 – Structural Concepts calculations and inspection works

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Structural Concepts

Client: Insight Unlimited

Project: Foweraker House
Botanical Gardens, Christchurch

Ref: 1923-2243

Date: 15-May-13

CALCULATIONS

BY ALIN POANTA

BE (Civil)

REVIEWED BY

GARRY NEWTON

BE (Civil) , MIPENZ, CPEng, IntPE(NZ)

CONTENTS

2 Gravity Loads
3 EQ Static 1170.5
5 EQ Static Forces
6 Brace Bolts in shear
7 Concrete Column Moment
10 Concrete Beam Moment

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Structural Concepts

Client:	Insight Unlimited	Ref:	1923-2243
Project:	Foweraker House	Date:	15/5/13
	Botanical Gardens, Christchurch	BY:	AP
Subject:	Gravity Loads		

Sheet No.:	2

Loads

Roof

8mm Glass	0.214
Steel Structure	0.050
	0.264 kPa
0.264 / Cos 12 =	0.269 kPa

Conservatory Structure

0	0.000
100 Med Brick	2.200
0	0.000
	2.200 kPa

Live loads

R2 Roofs	0.25	kPa

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Structural Concepts

Client: Insight Unlimited
Project: Foweraker House
Botanical Gardens, Christchurch
Subject: EQ Static 1170.5

Ref: 1923-2243
Date: 15/5/13
BY: AP

Seismic Loads to NZS 1170.5

Sheet No.: 3

Ref: | Design | Output

Design working live 50 Years

Importance level 2

Annual Probability of exceedance (inverse) Ultimate 500

Annual Probability of exceedance (inverse) Service 25

Element			Area/length	Load Kpa	Total kN
Conservatory Structure			35.00	2.20	77.00
			17.50	0.27	4.72
			0.00	0.00	0.00
			0.00	0.00	0.00
			0.00	0.00	0.00
			0.00	0.00	0.00
	1.00	0.40	0.00	0.00	0.00
					81.72 kN

Live load reduction

Total floor area 0.0

$$.3+\frac{3}{\sqrt{A}} = 1.000$$

But not less than .5

Element			Area/length	Load Kpa	Total kN
Roof			17.50	0.27	4.72
0			0.00	0.00	0.00
0			0.00	0.00	0.00
			0.00	0.00	0.00
			0.00	0.00	0.00
			0.00	0.00	0.00
	1.00	0.40	0.00	0.00	0.00
	1.00	0.40	0.00	0.00	0.00
					4.72 kN

Total building weight
86.43 kN

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Structural Concepts

Client: Insight Unlimited
Project: Foweraker House
Botanical Gardens, Christchurch
Subject: EQ Static 1170.5

Ref: 1923-2243
Date: 15/5/13
BY: AP

Sheet No.: 4

Ref:	Design				Output
	Soil type				
	D. Deep or soft soil				
	Across the building				
	Period of building across the building		0.40		
	Does the seismic bracing have ductile capabilities but is designed as nominally ductile				☐
	Structural ductility factor (Ultimate)	m =	1.25		
	Structural ductility factor (Service SLS1)	m =	1.25		
	Hazard Factor Christchurch	Z =	0.3		
	Return period factor	Ru =	1.00		
	Return period factor	Rs =	0.25		
	Structural Performance factor (Ultimate)	Sp =	0.93		
	Structural Performance factor (Service)	Sp =	0.70		
	Spectral Shape Factor (across)	Ch(T) =	3.00		
	Near Fault factor	N(T,D) =	1.0	n/a	
	Elastic site spectra (Ultimate)	C(T) =	0.90		
	Elastic site spectra (Service)	C(T) =	0.23		
	Ultimate	km =	1.14		
	Service	km =	1.14		
	Ultimate				
	Horizontal design action coefficients (Across)	Cd(T1) =	0.73	But not less than 0.030Ru	
	Ultimate force across the building	Cd(T1) x Wi =	62.96	kN Total	
	Service				
	Horizontal design action coefficients (Across)	Cd(T1) =	0.14		
	Service force across the building	Cd(T1) x Wi =	11.91	kN Total	
	Along the building				
	Period of building along the building		0.40		
	Does the seismic bracing have ductile capabilities but is designed as nominally ductile				☐
	Structural ductility factor (Ultimate)	m =	1.25		
	Structural ductility factor (Service SLS1)	m =	1.25		
	Structural Performance factor (Ultimate)	Sp =	0.93		
	Spectral Shape Factor (across)	Ch(T) =	3.00		
	Near Fault factor	N(T,D) =	1.0		
	Elastic site spectra (Ultimate)	C(T) =	0.90		
	Elastic site spectra (Service)	C(T) =	0.23		
	Ultimate	km =	1.14		
	Service	km =	1.14		
	Ultimate				
	Horizontal design action coefficients (Across)	Cd(T1) =	0.73	But not less than 0.030Ru	
	Ultimate force along the building	Cd(T1) x Wi =	62.96	kN Total	
	Service				
	Horizontal design action coefficients (Across)	Cd(T1) =	0.18		
	Service force across the building	Cd(T1) x Wi =	15.74	kN Total	

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Structural Concepts

Client: Insight Unlimited
Project: Foweraker House
Botanical Gardens, Christchurch
Subject: EQ Static Forces

Ref: 1923-2243
Date: 15/5/13
BY: AP

Seismic Loads to NZS 1170.5

Sheet No.: 5

Ref:	Design				Output	
	Seismic weight at level i	Wi	4.72	kN		
	Height at level i	hi	2.8	m		
	Seismic weight at level I	Wi	81.72	kN		
	Height at level I	hi	1.0	m		
	Sum of Wihi		94.7			
	Base shear ultimate		62.96	kN		
	Base shear service		11.91	kN		
	8% of base shear to be applied at top level		5.04	kN		
	8% of base shear to be applied at top level		0.95	kN		

$$Fi = .92V \frac{Wihi}{\sum(Wihi)}$$

Ultimate		
Equivalent Lateral force at level i (Roof)	12.97	
Equivalent Lateral force at level i	49.99	
Equivalent Lateral force at level i	0.00	
Equivalent Lateral force at level i	0.00	
Equivalent Lateral force at level i	0.00	
Equivalent Lateral force at level i	0.00	
Service	62.96	kN base V
Equivalent Lateral force at level i (Roof)	2.45	
Equivalent Lateral force at level i	9.46	
Equivalent Lateral force at level i	0.00	
Equivalent Lateral force at level i	0.00	
Equivalent Lateral force at level i	0.00	
Equivalent Lateral force at level i	0.00	
	11.91	kN base V

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Client: Insight Unlimited
Project: Foweraker House
Botanical Gardens, Christchurch
Subject: Brace Bolts in shear

Ref: 1923-2243
Date: 15/5/13
BY: AP

Design of bolts in shear, bearing & plate tearout — Sheet No.: 6

Ref:	Design				Output
	This calculation assumes that all bolts are equally loaded, as in the case of a tension only connection. It does not check for tension fracture of the connecting ply.				
	Force on bolt (Ultimate load)	N*	13.6	kN	
	Thickness of plate	tp	2	mm	
	Grade of connecting plate	Fyp	250	Mpa	
	Tensile strength of plate	Fup	410	Mpa	
	Size of bolts in connection	df	6	mm	
	Grade of bolt		4.6		
	Tensile strength of bolt	fub	400		
	Number of bolts in group	n	1		
	Bolted lap correction	Kr	1.0		
	Shear type		Single		
	Load type		Seismic		
	The seismic system is		(3) Nominally Ductile		
	Reduction factor C1	C1	1.0		
	Bolts in shear				
	Strength reduction factor	f	1		
	Shear plane through bolt is		Core Ac		
	Area of bolt	A	20.25887	mm	
	Nominal shear capacity of bolts				
	.62 x Fu x Kr x (n x Ac + n x Ao) = Vf		5.0	kN	
	Shear strength	f Vf	5.0	kN	36%NBS
	Bolts in Bearing				
	Plate				
	Strength reduction factor	f	1		
	Nominal bearing capacity of bolts				
	3.2 x df x tp x fup x n = Vb		15.7	kN	
	bearing strength of bolts	C1 x f x Vb	15.7	kN	PASS
12.9.4.5.2	For category 1 members connected by snug tight bolt mode, holes shall be a maximum of .5mm oversized only.				
	Plate tearout				
	plate				
	Edge distance		60	mm	
	Force on each bolt		13.6	kN	
	Nominal tearout capacity				
	ae x tp x Fup x n = Vb		49.2	kN	
	Tearout capacity		49.2	kN	PASS

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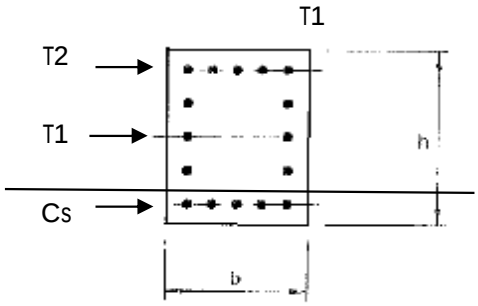
Structural Concepts

Client: Insight Unlimited
Project: Foweraker House
Botanical Gardens, Christchurch
Subject: Concrete Column Moment

Ref: 1923-2243
Date: 15/5/13
BY: AP

Design of elastic concrete column in bending NZS3101:2006 | Sheet No.: 7

Ref:	Design					Output
	Axial load		N*	0	kN	
	Design moment		M*	7.07	kNm	
	Design Shear force		V*	7.0	kN	
	Ductility factor used		m	1.25	<= 1.25	



Typical column steel configuration

The moment capacity is based on concrete theory, as found in any concrete text book, i.e. ccanz "Red Book"

Clear storey height			1000	mm	
Depth of column		h	200	mm	
Width column		b	200	mm	
Cover			40	mm	
Concrete grade		Fc'	25	Mpa	
Steel reinforcement yield stress (Yeilding steel)		Fy	300	Mpa	
Steel reinforcement yield stress (Shear steel)		fyt	300	Mpa	
Tension steel For T1					
Number of bars		No.	0		
Diameter of bars		dia	12	mm	
Area of bars at T1		As1	0	mm²	
Tension capacity	As x Fy =	T1	0.0	kN	
Tension steel For T2					
Number of bars		No.	2		
Diameter of bars		dia	12	mm	
Area of bars As x Fy =		As2	226	mm²	
Tension capacity	As x Fy =	T2	67.9	kN	
Compression steel For Cs					
Number of bars		No.	2		
Diameter of bars		dia	12	mm	
Area of bars at T1		AsCs	226	mm²	
Tension capacity	As x Fy =	Cs	67.9	kN	
Axial load on wall					
Self weight of column 0.2 x 1 x 0.2 x 24 =			0.96		
Other dead load			0.00		
			0.96		
C = T1 + T2 + Nn - Cs = 0 x 67.87 + 0.96 - 67.87 =			1.0		

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Client: Insight Unlimited
Project: Foweraker House
Botanical Gardens, Christchurch
Subject: Concrete Column Moment

Ref: 1923-2243
Date: 15/5/13
BY: AP

Design of elastic concrete column in bending continued — Sheet No.: 8

Ref:	Design				Output
	Depth of equivalent stress block a				
	a = C / .85 x Fc' x b = 0.23 mm				
	therefore c =	0.23 / 0.85 =	0.27	mm	
	With reference to centraidal axis of the column				
	Centroid of T1		0.00	mm	
	Centroid of T2		54	mm	
	Centriod of C		100	mm	
	Centriod of Cs		54	mm	
	Hence moment capacity of column is:-				
	Mn for T1 = AS x Fy x La x 10^-6		0.0		
	Mn for T2 = AS x Fy x La x 10^-6		3.7		
	Mn for C = C x La x 10^-3		0.1		
	Mn for Cs = Cs x La x 10^-3		3.7		
			7.4	kNm	
	øMn = 7.426 kNm > 7 kNm therefore OK				PASS
	Shear Steel design				
	Shear force	V*wall	7.0	kN	
	Nominal shear stress				
11.3.10.3.3	Note d = 80% of actual length				
	vn = V*wall / bw x .8 x d =		0.22	Mpa	
7.5.2	Maximum shear stress				
		.2 Fc' =	5.00	Mpa	
		OR			
			8.00	Mpa	
11.3.10.3.5	Shear resistance provided by concrete				
	$\left(.27\sqrt{fc'}+\frac{N^*}{4Ag}\right)$ = vc		1.36	Mpa	
	OR				
	$.05\sqrt{fc'}+\frac{Lw\left(.1\sqrt{fc'}+.2\frac{N^*}{Ag}\right)}{\frac{M^*}{V^*}-\frac{Lw}{2}}$ = vc		N/A	Mpa	
7.5.1	Shear strength provided by concrete mechanisms				
	vc x Lw x .8 x b =	Vc	43	kN	
		øVc	33	kN	
	Only min shear steel to 11.3.10.3.8 b required				

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Structural Concepts

Client: Insight Unlimited
Project: Foweraker House
Botanical Gardens, Christchurch
Subject: Concrete Column Moment

Ref: 1923-2243
Date: 15/5/13
BY: AP

Design of elastic concrete column in bending continued — Sheet No.: 9

Ref:	Design					Output
11.3.10.3.8	(a) Shear strength provided by shear reinforcement					
	Main bar diameter		DIA	0	mm> 10	
	Area of steel provided		Av	0	mm²/275	
	Bar spacing		S2	275	mm	
	Maximum bar spacing		Smax	450	mm	
		$Av.fyt\frac{d}{S_2}$	= Vs	0	kN	
			øVs	0	kN	
	Total shear strength		øVc + øVs	33	kN	PASS
11.3.10.3.8	(b) Minimum shear steel					
		$\frac{.7bw.S2}{fyt}$	Av	128	mm²/275	NA

emajineer Structural Concepts

Client: Insight Unlimited
Project: Foweraker House
Botanical Gardens, Christchurch
Subject: Concrete Beam Moment

Ref: 1923-2243
Date: 15/5/13
BY: NS

REINFORCED CONCRETE RECTANGULAR BEAM DESIGNED TO NZS3101:PART 1:2006 — Sheet No.: 10

Ref:	Design					Output
	Design bending moment from analysis		M*	1	kNm	
	Shear from analysis		V*	2	kN	
	Beam dimensions and materials					
5.2.1	Concrete grade		Fc'	25	Mpa	
5.3.3	Steel reinforcement yield stress		Fy	300	Mpa	
	Shear steel yield stress		Fyt	300	Mpa	
	Cover to reinforcement		C	60	mm	
	Depth of beam		D	200	mm	
	Width of beam		bw	200	mm	
	Effective depth	H-C-DIA/2 =	d	133.65	mm	
2.3.2.2	Strength reduction factor flexural		f	1.00		
	Strength reduction factor Shear		f	0.75		
	Lever arm	$d-\frac{As.Fy}{1.7Fc'b}=$	Jd	125	mm	
	Main bar diameter		DIA	12.7	mm	
	Number of bars		N	2		
	Area of steel provided		As	253	mm²	
	Minimum area of tension steel					
9.3.8.2.1	Min. area of tension steel	$\frac{\sqrt{Fc'}}{4Fy}bw.d=$	As min	111	mm²	
	But equal to or greater than	1.4 bw.d/Fy =	As min	125	mm²	
9.3.8.2.3	Alternatively may be 1/3 greater than what is required by analysis					
	Moment capacity	ø x AS x Fy x Jd x 10^-6 =	øMn	9.5	kNm	> 1.2 kNm
						PASS
	Shear Check					
7.5.1	Total nominal shear stress	V* / (bw.d) =	vn	0.075	Mpa	
7.5.2	Maximum shear stress vn shall be less than					
		.2Fc' or 8Mpa		5.0	Mpa	> 0.075 Mpa
						PASS
9.3.9.3.4	Shear stress provided by concrete					
	$Vc=vc.Acv$	Where $vc=kd.ka.vb$				
9.1	Ratio of tension reinfrocement	As / bw.d =	r	0.0095		
	vb = smaller of $(.07+10r)\sqrt{Fc'}$	OR $.2\sqrt{Fc'}$				
	But not less than .08 x Fc'^.5		vb	0.824	Mpa	
	Aggregate size factor		ka	1.0		
	Effective depth factor		kd	1.00		
		vb x ka x kd =	vc	0.824	Mpa	
	Nominal shear strength provided by concrete					
		vc.Acv =	Vc	22.0	kN	
		Shear steel not required				

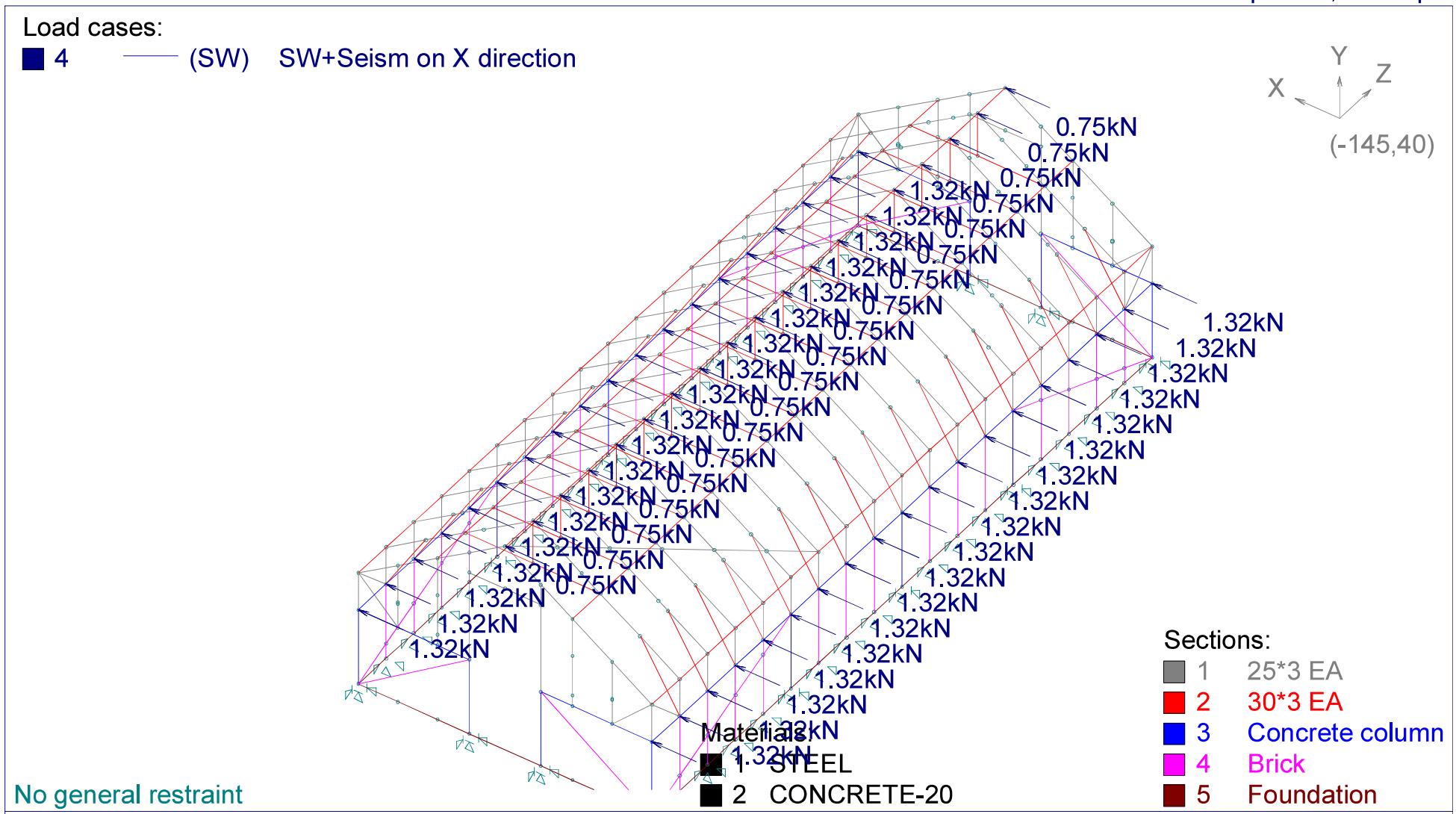
emajineer
Structural Concepts

Client: Insight Unlimited
Project: Foweraker House
Botanical Gardens, Christchurch
Subject: Concrete Beam Moment

Ref: 1923-2243
Date: 15/5/13
BY: NS

REINFORCED CONCRETE RECTANGULAR BEAM DESIGNED CONTINUED — Sheet No.: 11

Ref:	Design					Output
9.3.9.4.15	Minimum shear steel requirement					
		Bar dia	dia	0	mm	
		No. legs		4		
	$Av = \frac{1}{16}\sqrt{f'c}\,\frac{bw.s}{fyt}$	Spacing	S	200	mm	> 66.825 mm
		Min Area	Av	41.7	mm²	NA
		Area provided		0.0	mm²	< 41.67 mm²
9.3.9.3.6	Shear reinforcement required when vn>vc					NA
	$Vs = Av.fyt.\frac{d}{S}$		Vs	0.0	kN	
7.5.3	Shear strengt..	(Vc + Vs) x f =	Vn	16.5	kN	> 2 kN
						PASS



Job: \\Sclnapsbs001.scl.local\Da...\2243\1923-2243 130510 EXISTING GN3 Loads ok
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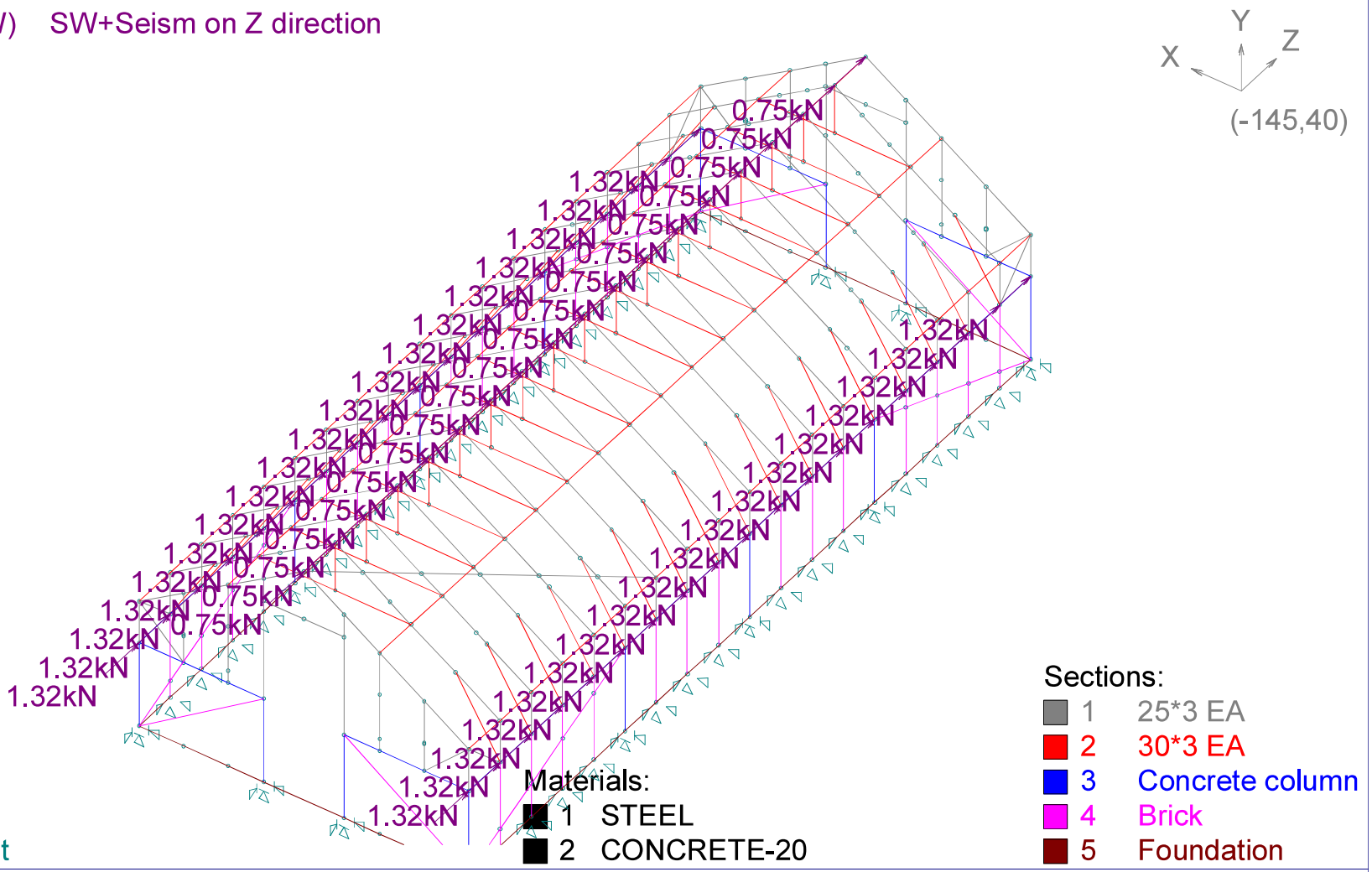
Scales - Frame: 1:56, Load: 1, Disp: None, Moment: None, Shear: None, Axial: None, Torsion: None

Load cases:
5 (SW) SW+Seism on Z direction



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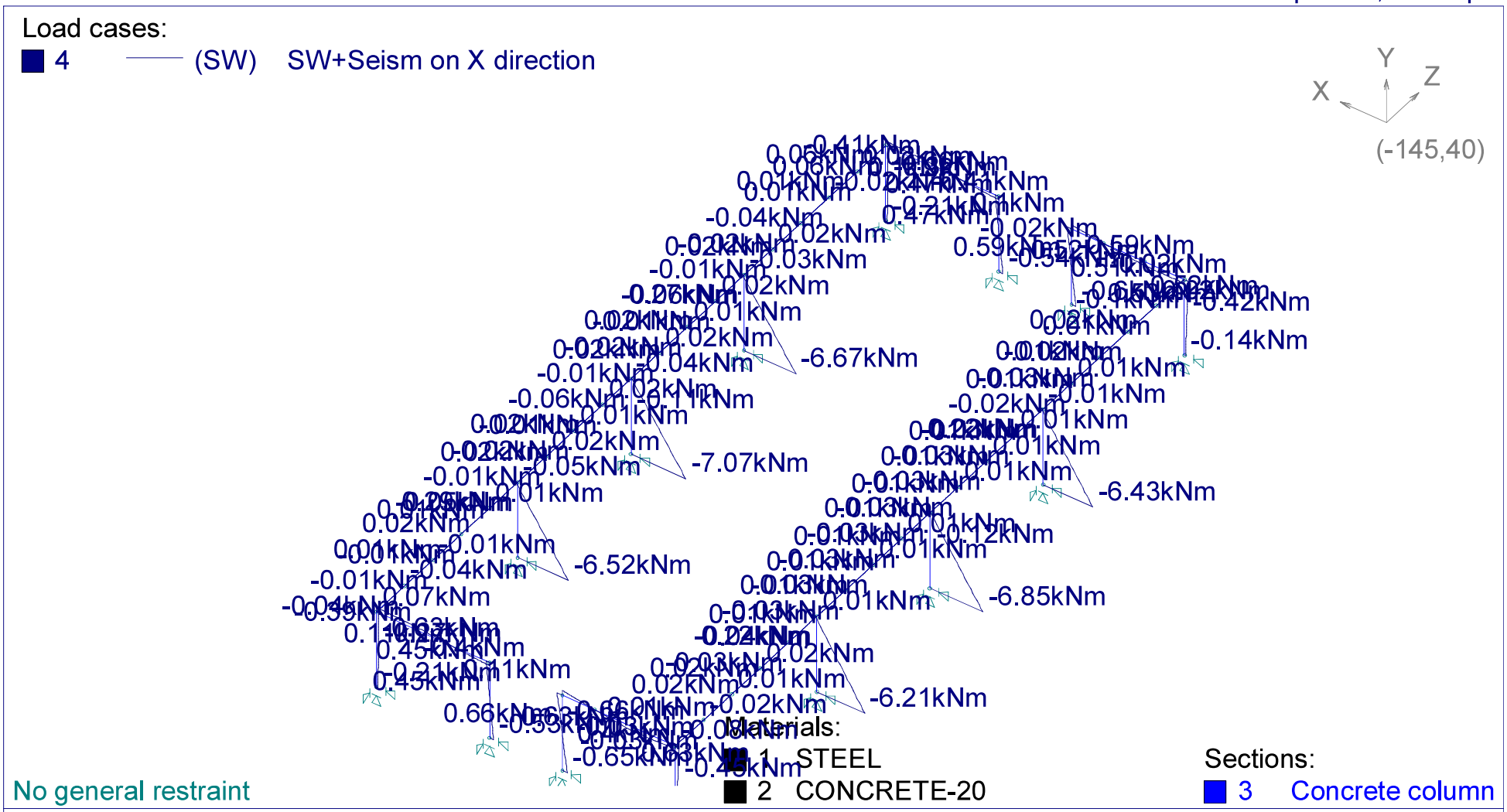
Units - Len: m, Sec: mm, Mat: MPa, Dens: T/m^3, Temp: Celsius, Force: kN, Mom: kNm, Mass: T, Acc: g's, Trans: mm, Stre
Scales - Frame: 1:56, Load: 1, Disp: None, Moment: None, Shear: None, Axial: None, Torsion: None



Job: \\Sclnapsbs001.scl.local\Da...\2243\1923-2243 130510 EXISTING GN3 Loads ok
Filter: conc
Units - Len: m, Sec: mm, Mat: MPa, Dens: T/m^3, Temp: Celsius, Force: kN, Mom: kNm, Mass: T, Acc: g's, Trans: mm, Stre
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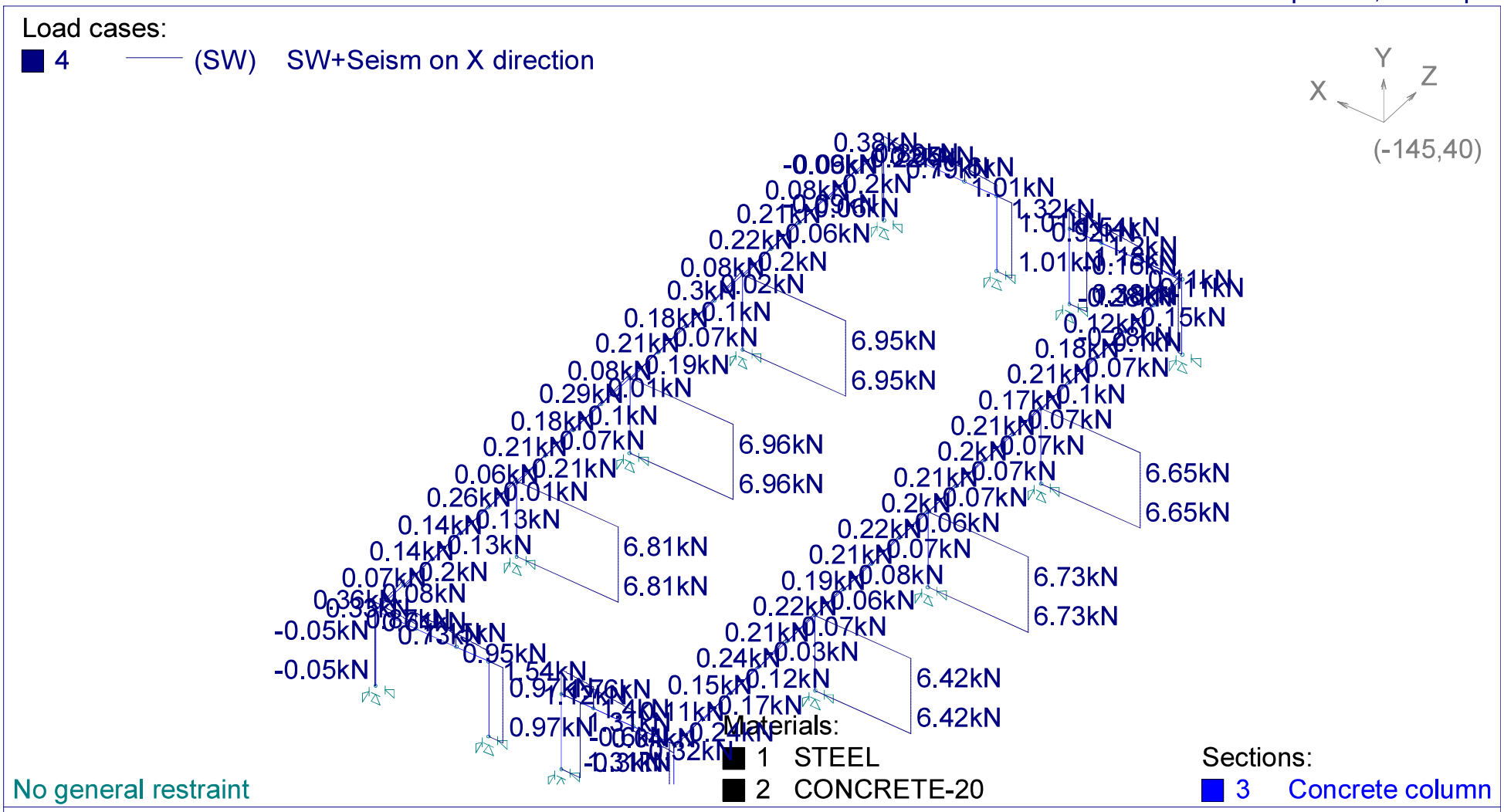

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Filter: conc
Units - Len: m, Sec: mm, Mat: MPa, Dens: T/m^3, Temp: Celsius, Force: kN, Mom: kNm, Mass: T, Acc: g's, Trans: mm, Stre
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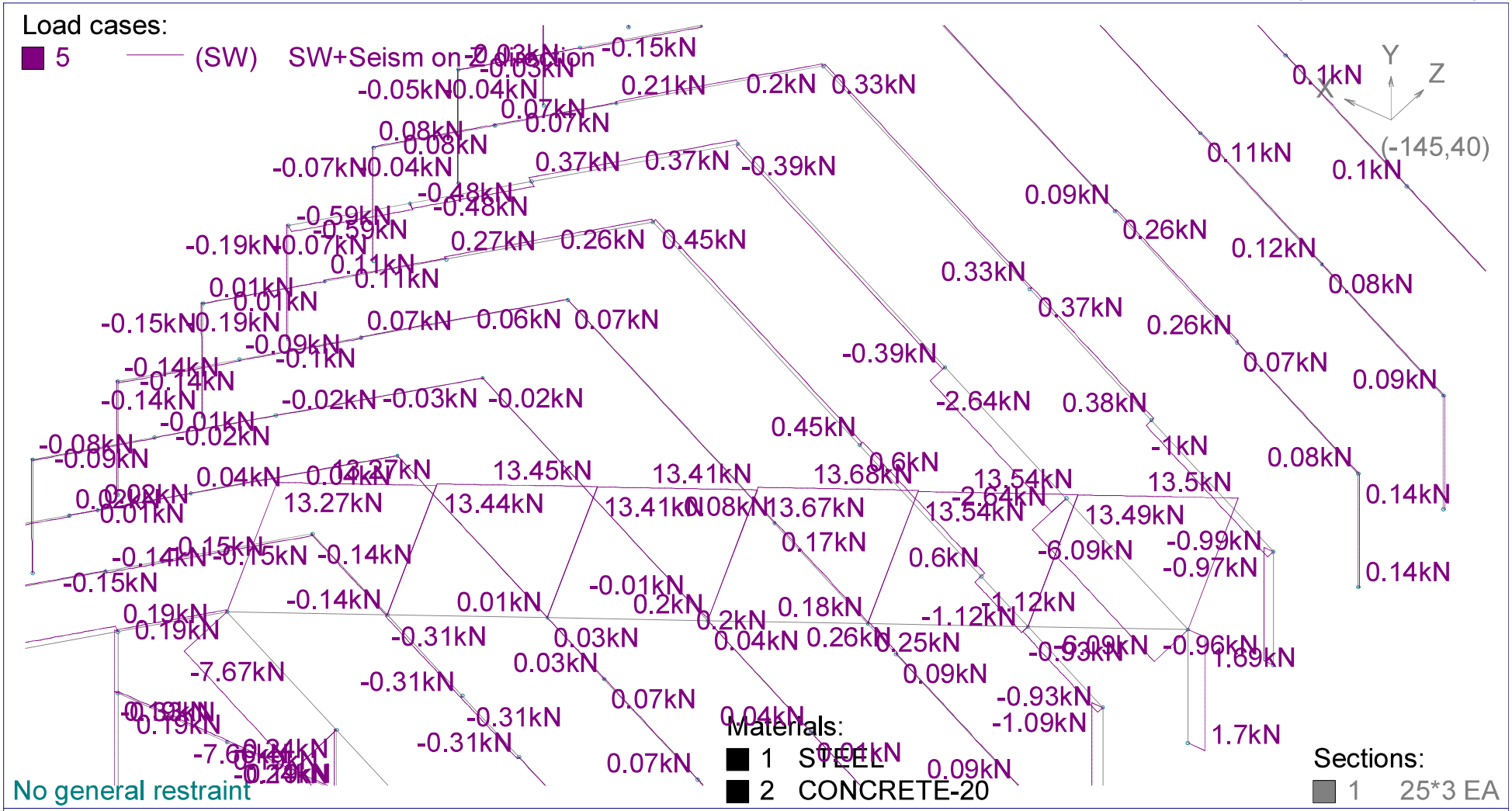

Job: \\Sclnapsbs001.scl.local\Da...\2243\1923-2243 130510 EXISTING GN3 Loads ok
Filter: Frame
Units - Len: m, Sec: mm, Mat: MPa, Dens: T/m^3, Temp: Celsius, Force: kN, Mom: kNm, Mass: T, Acc: g's, Trans: mm, Stre
Scales - Frame: 1:19, Load: None, Disp: None, Moment: None, Shear: None, Axial: 0.465661, Torsion: None

SPACE GASS 11.04 - STRUCTURAL CONCEPTS LTD
Job: \\Sclnapsbs001.scl.local\Data\Engineers\Garry Newton Ltd\1923 \Design\Computer Analysis\2243\1923-2243 130510 EXISTING GN3 Loads ok

ANALYSIS STATUS REPORT

Job name ..... 1923-2243 130510 EXISTING GN3 Loads ok
Location ..... \\Sclnapsbs001.scl.local\Data\Engineers\Garry Newton Ltd\19...

Length units	m	
Section property units	mm	
Material strength units	MPa	
Mass density units	T/m^3	
Temperature units	Celsius	
Force units	kN	
Moment units	kNm	
Mass units	T	
Acceleration units	g's	
Translation units	mm	
Stress units	MPa	
Nodes	316	(32765)
Members	583	(32765)
Plates	0	(32765)
Restrained nodes	42	(32765)
Nodes with spring restraints	0	(32765)
Section properties	5	(999)
Material properties	2	(999)
Constrained nodes	0	(32765)
Member offsets	0	(32765)
Node loads	114	(32765)
Prescribed node displacements	0	(32765)
Member concentrated loads	0	(32765)
Member distributed forces	0	(32765)
Member distributed torsions	0	(32765)
Thermal loads	0	(32765)
Member prestress loads	0	(32765)
Plate pressure loads	0	(32765)
Self weight load cases	1	(10000)
Combination load cases	2	(10000)
Load cases with titles	9	(10000)
Lumped masses	114	(32765)
Spectral load cases	2	(10000)
Static analysis	Y	
Dynamic analysis	N	
Response analysis	N	
Buckling analysis	N	
Ill-conditioned	N	
Non-linear convergence	Y	
Frontwidth	78	
Total degrees of freedom	1728	
Static load cases	3	(10000)
Mass load cases	3	(10000)

NODE COORDINATES (m)

Node	X Coord	Y Coord	Z Coord
1	0.000	0.000	0.000
2	0.000	1.500	0.000
3	1.850	2.750	0.000
4	0.500	1.838	0.000
5	1.000	2.176	0.000
6	3.700	0.000	0.000
7	3.700	1.500	0.000
8	3.200	1.838	0.000
9	2.700	2.176	0.000
10	1.850	2.176	0.000
11	0.000	0.000	0.500
12	0.000	1.000	0.000
13	3.700	1.000	0.000
14	0.000	1.000	0.500
15	0.000	1.500	0.500
16	0.500	1.838	0.500
17	1.000	2.176	0.500
18	1.850	2.750	0.500
19	3.700	0.000	0.500
20	3.700	1.000	0.500
21	3.700	1.500	0.500
22	3.200	1.838	0.500
23	2.700	2.176	0.500
24	1.850	2.176	0.500
25	0.000	0.000	1.000
26	0.000	1.000	1.000
27	0.000	1.500	1.000
28	0.500	1.838	1.000
29	1.000	2.176	1.000
30	1.850	2.750	1.000
31	3.700	0.000	1.000
32	3.700	1.000	1.000
33	3.700	1.500	1.000
34	3.200	1.838	1.000
35	2.700	2.176	1.000
36	1.850	2.176	1.000
37	0.000	0.000	1.500
38	0.000	1.000	1.500
39	0.000	1.500	1.500
40	0.500	1.838	1.500
41	1.000	2.176	1.500
42	1.850	2.750	1.500
43	3.700	0.000	1.500
44	3.700	1.000	1.500
45	3.700	1.500	1.500
46	3.200	1.838	1.500
47	2.700	2.176	1.500
48	1.850	2.176	1.500
49	0.000	0.000	2.000
50	0.000	1.000	2.000
51	0.000	1.500	2.000
52	0.500	1.838	2.000
53	1.000	2.176	2.000
54	1.850	2.750	2.000
55	3.700	0.000	2.000
56	3.700	1.000	2.000
57	3.700	1.500	2.000
58	3.200	1.838	2.000
59	2.700	2.176	2.000
60	1.850	2.176	2.000
61	0.000	0.000	2.500
62	0.000	1.000	2.500
63	0.000	1.500	2.500
64	0.500	1.838	2.500
65	1.000	2.176	2.500
66	1.850	2.750	2.500
67	3.700	0.000	2.500
68	3.700	1.000	2.500
69	3.700	1.500	2.500
70	3.200	1.838	2.500
71	2.700	2.176	2.500
72	1.850	2.176	2.500
73	0.000	0.000	3.000
74	0.000	1.000	3.000
75	0.000	1.500	3.000
76	0.500	1.838	3.000
77	1.000	2.176	3.000
78	1.850	2.750	3.000
79	3.700	0.000	3.000
80	3.700	1.000	3.000
81	3.700	1.500	3.000
82	3.200	1.838	3.000
83	2.700	2.176	3.000
84	1.850	2.176	3.000
85	0.000	0.000	3.500
86	0.000	1.000	3.500
87	0.000	1.500	3.500
88	0.500	1.838	3.500
89	1.000	2.176	3.500
90	1.850	2.750	3.500
91	3.700	0.000	3.500
92	3.700	1.000	3.500
93	3.700	1.500	3.500
94	3.200	1.838	3.500
95	2.700	2.176	3.500
96	1.850	2.176	3.500
97	0.000	0.000	4.000
98	0.000	1.000	4.000
99	0.000	1.500	4.000
100	0.500	1.838	4.000
101	1.000	2.176	4.000
102	1.850	2.750	4.000
103	3.700	0.000	4.000
104	3.700	1.000	4.000
105	3.700	1.500	4.000
106	3.200	1.838	4.000
107	2.700	2.176	4.000
108	1.850	2.176	4.000
109	0.000	0.000	4.500
110	0.000	1.000	4.500
111	0.000	1.500	4.500
112	0.500	1.838	4.500
113	1.000	2.176	4.500
114	1.850	2.750	4.500
115	3.700	0.000	4.500
116	3.700	1.000	4.500
117	3.700	1.500	4.500
118	3.200	1.838	4.500
119	2.700	2.176	4.500
120	1.850	2.176	4.500
121	0.000	0.000	5.000
122	0.000	1.000	5.000
123	0.000	1.500	5.000
124	0.500	1.838	5.000
125	1.000	2.176	5.000
126	1.850	2.750	5.000
127	3.700	0.000	5.000
128	3.700	1.000	5.000
129	3.700	1.500	5.000
130	3.200	1.838	5.000
131	2.700	2.176	5.000
132	1.850	2.176	5.000
133	0.000	0.000	5.500
134	0.000	1.000	5.500
135	0.000	1.500	5.500
136	0.500	1.838	5.500
137	1.000	2.176	5.500
138	1.850	2.750	5.500
139	3.700	0.000	5.500
140	3.700	1.000	5.500
141	3.700	1.500	5.500
142	3.200	1.838	5.500
143	2.700	2.176	5.500
144	1.850	2.176	5.500
145	0.000	0.000	6.000
146	0.000	1.000	6.000
147	0.000	1.500	6.000
148	0.500	1.838	6.000
149	1.000	2.176	6.000
150	1.850	2.750	6.000
151	3.700	0.000	6.000
152	3.700	1.000	6.000
153	3.700	1.500	6.000
154	3.200	1.838	6.000
155	2.700	2.176	6.000
156	1.850	2.176	6.000
157	0.000	0.000	6.500
158	0.000	1.000	6.500
159	0.000	1.500	6.500
160	0.500	1.838	6.500
161	1.000	2.176	6.500
162	1.850	2.750	6.500
163	3.700	0.000	6.500
164	3.700	1.000	6.500
165	3.700	1.500	6.500
166	3.200	1.838	6.500
167	2.700	2.176	6.500
168	1.850	2.176	6.500
169	0.000	0.000	7.000
170	0.000	1.000	7.000
171	0.000	1.500	7.000
172	0.500	1.838	7.000
173	1.000	2.176	7.000
174	1.850	2.750	7.000
175	3.700	0.000	7.000
176	3.700	1.000	7.000
177	3.700	1.500	7.000
178	3.200	1.838	7.000
179	2.700	2.176	7.000
180	1.850	2.176	7.000
181	0.000	0.000	7.500
182	0.000	1.000	7.500
183	0.000	1.500	7.500
184	0.500	1.838	7.500
185	1.000	2.176	7.500
186	1.850	2.750	7.500
187	3.700	0.000	7.500
188	3.700	1.000	7.500
189	3.700	1.500	7.500
190	3.200	1.838	7.500
191	2.700	2.176	7.500
192	1.850	2.176	7.500
193	0.000	0.000	8.000

SPACE GASS 11.04 - STRUCTURAL CONCEPTS LTD
Job: \\Sclnapsbs001.scl.local\Data\Engineers\Garry Newton Ltd\1923 \Design\Computer Analysis\2243\1923-2243 130510 EXISTING GN3 Loads ok

Node	X Coord	Y Coord	Z Coord
194	0.000	1.000	8.000
195	0.000	1.500	8.000
196	0.500	1.838	8.000
197	1.000	2.176	8.000
198	1.850	2.750	8.000
199	3.700	0.000	8.000
200	3.700	1.000	8.000
201	3.700	1.500	8.000
202	3.200	1.838	8.000
203	2.700	2.176	8.000
204	1.850	2.176	8.000
205	0.000	0.000	8.500
206	0.000	1.000	8.500
207	0.000	1.500	8.500
208	0.500	1.838	8.500
209	1.000	2.176	8.500
210	1.850	2.750	8.500
211	3.700	0.000	8.500
212	3.700	1.000	8.500
213	3.700	1.500	8.500
214	3.200	1.838	8.500
215	2.700	2.176	8.500
216	1.850	2.176	8.500
217	0.000	0.000	9.000
218	0.000	1.000	9.000
219	0.000	1.500	9.000
220	0.500	1.838	9.000
221	1.000	2.176	9.000
222	1.850	2.750	9.000
223	3.700	0.000	9.000
224	3.700	1.000	9.000
225	3.700	1.500	9.000
226	3.200	1.838	9.000
227	2.700	2.176	9.000
228	1.850	2.176	9.000
229	2.300	1.000	0.000
230	1.400	1.000	0.000
231	2.300	0.000	0.000
232	1.400	0.000	0.000
233	2.300	2.446	0.000
234	1.400	2.446	0.000
235	2.300	2.176	0.000
236	1.400	2.176	0.000
237	3.200	1.338	0.000
238	2.700	1.676	0.000
239	3.200	1.000	0.000
240	2.700	1.000	0.000
241	0.500	1.338	0.000
242	1.000	1.676	0.000
243	0.500	1.000	0.000
244	1.000	1.000	0.000
245	2.300	2.176	9.000
246	3.200	1.000	9.000
247	1.400	2.176	9.000
248	1.400	1.000	9.000
249	1.000	1.000	9.000
250	2.300	0.000	9.000
251	2.300	1.000	9.000
252	1.400	0.000	9.000
253	3.200	1.338	9.000
254	2.300	2.446	9.000
255	2.700	1.676	9.000
256	1.400	2.446	9.000
257	2.700	1.000	9.000
258	0.500	1.338	9.000
259	1.000	1.676	9.000
260	0.500	1.000	9.000
261	3.083	1.917	1.000
262	2.467	2.333	0.500
263	1.233	2.333	0.500
264	0.617	1.917	1.000
265	1.233	2.333	8.500
266	0.617	1.917	8.000
267	2.467	2.333	8.500
268	3.083	1.917	8.000
269	1.233	2.333	1.000
270	0.925	2.125	1.500
271	0.617	1.917	2.000
272	0.308	1.708	2.500
273	1.542	2.542	0.500
274	1.542	2.542	8.500
275	1.233	2.333	8.000
276	0.925	2.125	7.500
277	0.617	1.917	7.000
278	0.308	1.708	6.500
279	2.158	2.542	8.500
280	2.467	2.333	8.000
281	2.775	2.125	7.500
282	3.083	1.917	7.000
283	3.392	1.708	6.500
284	2.300	1.588	9.000
285	3.200	1.321	9.000
286	3.200	0.000	0.000
287	2.700	1.143	9.000
288	0.500	1.321	9.000
289	1.000	1.143	9.000
290	3.200	1.321	0.000
291	2.700	1.143	0.000
292	0.500	1.321	0.000
293	1.000	1.143	0.000
294	1.000	0.000	0.000
295	2.700	0.000	0.000
296	0.500	0.000	0.000
297	3.200	0.000	9.000
298	1.000	0.000	9.000
299	2.700	0.000	9.000
300	0.500	0.000	9.000
301	0.000	0.200	0.500
302	3.700	0.200	0.500
303	0.000	0.400	1.000
304	3.700	0.400	1.000
305	0.000	0.600	1.500
306	3.700	0.600	1.500
307	0.000	0.800	2.000
308	3.700	0.800	2.000
309	0.000	0.800	7.000
310	3.700	0.800	7.000
311	0.000	0.600	7.500
312	3.700	0.600	7.500
313	0.000	0.400	8.000
314	3.700	0.400	8.000
315	0.000	0.200	8.500
316	3.700	0.200	8.500

MEMBER DATA (deg,kNm/rad,m)
---------- (F=Fixed, R=Released) (*=Cable length)

Memb	Dir Angle	Dir Node	Dir Axis	Memb Type	Node A	Node B	Sect	Node A Mat	Node A Fixity	Node B Fixity	Length
1	0.00			Norm	1	12	3	2	FFFFFF	FFFFFF	1.000
2	0.00			Norm	2	4	1	1	FFFFFF	FFFFFF	0.603
3	0.00			Norm	4	5	1	1	FFFFFF	FFFFFF	0.603
4	0.00			Norm	5	234	1	1	FFFFFF	FFFFFF	0.483
5	0.00			Norm	6	13	3	2	FFFFFF	FFFFFF	1.000
6	0.00			Norm	7	8	1	1	FFFFFF	FFFFFF	0.603
7	0.00			Norm	8	9	1	1	FFFFFF	FFFFFF	0.603
8	0.00			Norm	9	233	1	1	FFFFFF	FFFFFF	0.483
9	0.00			Norm	13	7	1	1	FFFRRR	FFFFFF	0.500
10	0.00			Norm	219	260	1	1	FFFFFF	FFFFFF	0.707
11	0.00			Norm	225	246	1	1	FFFFFF	FFFFFF	0.707
12	0.00			Norm	10	235	1	1	FFFFFF	FFFFFF	0.450
13	0.00			Norm	7	239	1	1	FFFFFF	FFFFFF	0.707
14	0.00			Norm	12	2	1	1	FFFRRR	FFFFFF	0.500
15	0.00			Norm	2	243	1	1	FFFFFF	FFFFFF	0.707
16	0.00			Norm	11	301	4	2	FFFFRR	FFFFFF	0.200
17	0.00			Norm	15	16	1	1	FFFFFF	FFFFFF	0.603
18	0.00			Norm	16	17	1	1	FFFFFF	FFFFFF	0.603
19	0.00			Norm	17	263	1	1	FFFFFF	FFFFFF	0.282
20	0.00			Norm	19	302	4	2	FFFFRR	FFFFFF	0.200
21	0.00			Norm	21	22	1	1	FFFFFF	FFFFFF	0.603
22	0.00			Norm	22	23	1	1	FFFFFF	FFFFFF	0.603
23	0.00			Norm	23	262	1	1	FFFFFF	FFFFFF	0.282
24	0.00			Norm	20	21	1	1	FFFRRR	FFFFFF	0.500
25	0.00			Norm	17	24	2	1	FFFFFF	FFFFFF	0.850
26	0.00			Norm	14	16	2	1	FFFFFF	FFFFFF	0.976
27	0.00			Norm	24	23	2	1	FFFFFF	FFFFFF	0.850
28	0.00			Norm	18	24	2	1	FFFFFF	FFFFFF	0.574
29	0.00			Norm	14	15	1	1	FFFRRR	FFFFFF	0.500
30	0.00			Norm	20	22	2	1	FFFFFF	FFFFFF	0.976
31	0.00			Norm	25	303	4	2	FFFFRR	FFFFFF	0.400
32	0.00			Norm	27	28	1	1	FFFFFF	FFFFFF	0.603
33	0.00			Norm	28	264	1	1	FFFFFF	FFFFFF	0.141
34	0.00			Norm	29	269	1	1	FFFFFF	FFFFFF	0.282
35	0.00			Norm	31	304	4	2	FFFFRR	FFFFFF	0.400
36	0.00			Norm	33	34	1	1	FFFFFF	FFFFFF	0.603
37	0.00			Norm	34	261	1	1	FFFFFF	FFFFFF	0.141
38	0.00			Norm	35	30	1	1	FFFFFF	FFFFFF	1.026
39	0.00			Norm	32	33	1	1	FFFRRR	FFFFFF	0.500
40	0.00			Norm	29	36	2	1	FFFFFF	FFFFFF	0.850
41	0.00			Norm	26	28	2	1	FFFFFF	FFFFFF	0.976
42	0.00			Norm	36	35	2	1	FFFFFF	FFFFFF	0.850
43	0.00			Norm	30	36	2	1	FFFFFF	FFFFFF	0.574
44	0.00			Norm	26	27	1	1	FFFRRR	FFFFFF	0.500
45	0.00			Norm	32	34	2	1	FFFFFF	FFFFFF	0.976
46	0.00			Norm	37	305	4	2	FFFFRR	FFFFFF	0.600
47	0.00			Norm	39	40	1	1	FFFFFF	FFFFFF	0.603
48	0.00			Norm	40	270	1	1	FFFFFF	FFFFFF	0.513
49	0.00			Norm	41	42	1	1	FFFFFF	FFFFFF	1.026
50	0.00			Norm	43	306	4	2	FFFFRR	FFFFFF	0.600
51	0.00			Norm	45	46	1	1	FFFFFF	FFFFFF	0.603
52	0.00			Norm	46	47	1	1	FFFFFF	FFFFFF	0.603
53	0.00			Norm	47	42	1	1	FFFFFF	FFFFFF	1.026
54	0.00			Norm	44	45	1	1	FFFRRR	FFFFFF	0.500
55	0.00			Norm	41	48	2	1	FFFFFF	FFFFFF	0.850
56	0.00			Norm	38	40	2	1	FFFFFF	FFFFFF	0.976
57	0.00			Norm	48	47	2	1	FFFFFF	FFFFFF	0.850
58	0.00			Norm	42	48	2	1	FFFFFF	FFFFFF	0.574
59	0.00			Norm	38	39	1	1	FFFRRR	FFFFFF	0.500
60	0.00			Norm	44	46	2	1	FFFFFF	FFFFFF	0.976
61	0.00			Norm	49	307	4	2	FFFFRR	FFFFFF	0.800
62	0.00			Norm	51	52	1	1	FFFFFF	FFFFFF	0.603
63	0.00			Norm	52	271	1	1	FFFFFF	FFFFFF	0.141
64	0.00			Norm	53	54	1	1	FFFFFF	FFFFFF	1.026
65	0.00			Norm	55	308	4	2	FFFFRR	FFFFFF	0.800
66	0.00			Norm	57	58	1	1	FFFFFF	FFFFFF	0.603
67	0.00			Norm	58	59	1	1	FFFFFF	FFFFFF	0.603
68	0.00			Norm	59	54	1	1	FFFFFF	FFFFFF	1.026
69	0.00			Norm	56	57	1	1	FFFRRR	FFFFFF	0.500
70	0.00			Norm	53	60	2	1	FFFFFF	FFFFFF	0.850
71	0.00			Norm	50	52	2	1	FFFFFF	FFFFFF	0.976
72	0.00			Norm	60	59	2	1	FFFFFF	FFFFFF	0.850
73	0.00			Norm	54	60	2	1	FFFFFF	FFFFFF	0.574
74	0.00			Norm	50	51	1	1	FFFRRR	FFFFFF	0.500
75	0.00			Norm	56	58	2	1	FFFFFF	FFFFFF	0.976
76	0.00			Norm	61	62	3	2	FFFFFF	FFFFFF	1.000
77	0.00			Norm	63	272	1	1	FFFFFF	FFFFFF	0.372
78	0.00			Norm	64	65	1	1	FFFFFF	FFFFFF	0.603
79	0.00			Norm	65	66	1	1	FFFFFF	FFFFFF	1.026
80	0.00			Norm	67	68	3	2	FFFFFF	FFFFFF	1.000
81	0.00			Norm	69	70	1	1	FFFFFF	FFFFFF	0.603
82	0.00			Norm	70	71	1	1	FFFFFF	FFFFFF	0.603
83	0.00			Norm	71	66	1	1	FFFFFF	FFFFFF	1.026
84	0.00			Norm	68	69	1	1	FFFRRR	FFFFFF	0.500
85	0.00			Norm	65	72	2	1	FFFFFF	FFFFFF	0.850
86	0.00			Norm	62	64	2	1	FFFFFF	FFFFFF	0.976
87	0.00			Norm	72	71	2	1	FFFFFF	FFFFFF	0.850
88	0.00			Norm	66	72	2	1	FFFFFF	FFFFFF	0.574
89	0.00			Norm	62	63	1	1	FFFRRR	FFFFFF	0.500
90	0.00			Norm	68	70	2	1	FFFFFF	FFFFFF	0.976
91	0.00			Norm	73	74	4	2	FFFFRR	FFFFRR	1.000
92	0.00			Norm	75	76	1	1	FFFFFF	FFFFFF	0.603
93	0.00			Norm	76	77	1	1	FFFFFF	FFFFFF	0.603
94	0.00			Norm	77	78	1	1	FFFFFF	FFFFFF	1.026
95	0.00			Norm	79	80	4	2	FFFFRR	FFFFRR	1.000
96	0.00			Norm	81	82	1	1	FFFFFF	FFFFFF	0.603
97	0.00			Norm	82	83	1	1	FFFFFF	FFFFFF	0.603
98	0.00			Norm	83	78	1	1	FFFFFF	FFFFFF	1.026
99	0.00			Norm	80	81	1	1	FFFRRR	FFFFFF	0.500
100	0.00			Norm	77	84	2	1	FFFFFF	FFFFFF	0.850
101	0.00			Norm	74	76	2	1	FFFFFF	FFFFFF	0.976
102	0.00			Norm	84	83	2	1	FFFFFF	FFFFFF	0.850
103	0.00			Norm	78	84	2	1	FFFFFF	FFFFFF	0.574
104	0.00			Norm	74	75	1	1	FFFRRR	FFFFFF	0.500
105	0.00			Norm	80	82	2	1	FFFFFF	FFFFFF	0.976
106	0.00			Norm	85	86	4	2	FFFFRR	FFFFRR	1.000
107	0.00			Norm	87	88	1	1	FFFFFF	FFFFFF	0.603
108	0.00			Norm	88	89	1	1	FFFFFF	FFFFFF	0.603
109	0.00			Norm	89	90	1	1	FFFFFF	FFFFFF	1.026
110	0.00			Norm	91	92	4	2	FFFFRR	FFFFRR	1.000
111	0.00			Norm	93	94	1	1	FFFFFF	FFFFFF	0.603
112	0.00			Norm	94	95	1	1	FFFFFF	FFFFFF	0.603
113	0.00			Norm	95	90	1	1	FFFFFF	FFFFFF	1.026
114	0.00			Norm	92	93	1	1	FFFRRR	FFFFFF	0.500
115	0.00			Norm	89	96	2	1	FFFFFF	FFFFFF	0.850
116	0.00			Norm	86	88	2	1	FFFFFF	FFFFFF	0.976
117	0.00			Norm	96	95	2	1	FFFFFF	FFFFFF	0.850
118	0.00			Norm	90	96	2	1	FFFFFF	FFFFFF	0.574
119	0.00			Norm	86	87	1	1	FFFRRR	FFFFFF	0.500
120	0.00			Norm	92	94	2	1	FFFFFF	FFFFFF	0.976
121	0.00			Norm	97	98	4	2	FFFFRR	FFFFRR	1.000
122	0.00			Norm	99	100	1	1	FFFFFF	FFFFFF	0.603

Memb	Dir Angle	Dir Node	Dir Axis	Memb Type	Node A	Node B	Sect	Node A Mat	Node B Fixity	Node B Fixity	Length
123	0.00			Norm	100	101	1	1	FFFFFF	FFFFFF	0.603
124	0.00			Norm	101	102	1	1	FFFFFF	FFFFFF	1.026
125	0.00			Norm	103	104	4	2	FFFFRR	FFFFRR	1.000
126	0.00			Norm	105	106	1	1	FFFFFF	FFFFFF	0.603
127	0.00			Norm	106	107	1	1	FFFFFF	FFFFFF	0.603
128	0.00			Norm	107	102	1	1	FFFFFF	FFFFFF	1.026
129	0.00			Norm	104	105	1	1	FFFRRR	FFFFFF	0.500
130	0.00			Norm	101	108	2	1	FFFFFF	FFFFFF	0.850
131	0.00			Norm	98	100	2	1	FFFFFF	FFFFFF	0.976
132	0.00			Norm	108	107	2	1	FFFFFF	FFFFFF	0.850
133	0.00			Norm	102	108	2	1	FFFFFF	FFFFFF	0.574
134	0.00			Norm	98	99	1	1	FFFRRR	FFFFFF	0.500
135	0.00			Norm	104	106	2	1	FFFFFF	FFFFFF	0.976
136	0.00			Norm	109	110	3	2	FFFFFF	FFFFFF	1.000
137	0.00			Norm	111	112	1	1	FFFFFF	FFFFFF	0.603
138	0.00			Norm	112	113	1	1	FFFFFF	FFFFFF	0.603
139	0.00			Norm	113	114	1	1	FFFFFF	FFFFFF	1.026
140	0.00			Norm	115	116	3	2	FFFFFF	FFFFFF	1.000
141	0.00			Norm	117	118	1	1	FFFFFF	FFFFFF	0.603
142	0.00			Norm	118	119	1	1	FFFFFF	FFFFFF	0.603
143	0.00			Norm	119	114	1	1	FFFFFF	FFFFFF	1.026
144	0.00			Norm	116	117	1	1	FFFRRR	FFFFFF	0.500
145	0.00			Norm	113	120	2	1	FFFFFF	FFFFFF	0.850
146	0.00			Norm	110	112	2	1	FFFFFF	FFFFFF	0.976
147	0.00			Norm	120	119	2	1	FFFFFF	FFFFFF	0.850
148	0.00			Norm	114	120	2	1	FFFFFF	FFFFFF	0.574
149	0.00			Norm	110	111	1	1	FFFRRR	FFFFFF	0.500
150	0.00			Norm	116	118	2	1	FFFFFF	FFFFFF	0.976
151	0.00			Norm	121	122	4	2	FFFFRR	FFFFRR	1.000
152	0.00			Norm	123	124	1	1	FFFFFF	FFFFFF	0.603
153	0.00			Norm	124	125	1	1	FFFFFF	FFFFFF	0.603
154	0.00			Norm	125	126	1	1	FFFFFF	FFFFFF	1.026
155	0.00			Norm	127	128	4	2	FFFFRR	FFFFRR	1.000
156	0.00			Norm	129	130	1	1	FFFFFF	FFFFFF	0.603
157	0.00			Norm	130	131	1	1	FFFFFF	FFFFFF	0.603
158	0.00			Norm	131	126	1	1	FFFFFF	FFFFFF	1.026
159	0.00			Norm	128	129	1	1	FFFRRR	FFFFFF	0.500
160	0.00			Norm	125	132	2	1	FFFFFF	FFFFFF	0.850
161	0.00			Norm	122	124	2	1	FFFFFF	FFFFFF	0.976
162	0.00			Norm	132	131	2	1	FFFFFF	FFFFFF	0.850
163	0.00			Norm	126	132	2	1	FFFFFF	FFFFFF	0.574
164	0.00			Norm	122	123	1	1	FFFRRR	FFFFFF	0.500
165	0.00			Norm	128	130	2	1	FFFFFF	FFFFFF	0.976
166	0.00			Norm	133	134	4	2	FFFFRR	FFFFRR	1.000
167	0.00			Norm	135	136	1	1	FFFFFF	FFFFFF	0.603
168	0.00			Norm	136	137	1	1	FFFFFF	FFFFFF	0.603
169	0.00			Norm	137	138	1	1	FFFFFF	FFFFFF	1.026
170	0.00			Norm	139	140	4	2	FFFFRR	FFFFRR	1.000
171	0.00			Norm	141	142	1	1	FFFFFF	FFFFFF	0.603
172	0.00			Norm	142	143	1	1	FFFFFF	FFFFFF	0.603
173	0.00			Norm	143	138	1	1	FFFFFF	FFFFFF	1.026
174	0.00			Norm	140	141	1	1	FFFRRR	FFFFFF	0.500
175	0.00			Norm	137	144	2	1	FFFFFF	FFFFFF	0.850
176	0.00			Norm	134	136	2	1	FFFFFF	FFFFFF	0.976
177	0.00			Norm	144	143	2	1	FFFFFF	FFFFFF	0.850
178	0.00			Norm	138	144	2	1	FFFFFF	FFFFFF	0.574
179	0.00			Norm	134	135	1	1	FFFRRR	FFFFFF	0.500
180	0.00			Norm	140	142	2	1	FFFFFF	FFFFFF	0.976
181	0.00			Norm	145	146	4	2	FFFFRR	FFFFRR	1.000
182	0.00			Norm	147	148	1	1	FFFFFF	FFFFFF	0.603
183	0.00			Norm	148	149	1	1	FFFFFF	FFFFFF	0.603
184	0.00			Norm	149	150	1	1	FFFFFF	FFFFFF	1.026
185	0.00			Norm	151	152	4	2	FFFFRR	FFFFRR	1.000
186	0.00			Norm	153	154	1	1	FFFFFF	FFFFFF	0.603
187	0.00			Norm	154	155	1	1	FFFFFF	FFFFFF	0.603
188	0.00			Norm	155	150	1	1	FFFFFF	FFFFFF	1.026
189	0.00			Norm	152	153	1	1	FFFRRR	FFFFFF	0.500
190	0.00			Norm	149	156	2	1	FFFFFF	FFFFFF	0.850
191	0.00			Norm	146	148	2	1	FFFFFF	FFFFFF	0.976
192	0.00			Norm	156	155	2	1	FFFFFF	FFFFFF	0.850
193	0.00			Norm	150	156	2	1	FFFFFF	FFFFFF	0.574
194	0.00			Norm	146	147	1	1	FFFRRR	FFFFFF	0.500
195	0.00			Norm	152	154	2	1	FFFFFF	FFFFFF	0.976
196	0.00			Norm	157	158	3	2	FFFFFF	FFFFFF	1.000
197	0.00			Norm	159	278	1	1	FFFFFF	FFFFFF	0.372
198	0.00			Norm	160	161	1	1	FFFFFF	FFFFFF	0.603
199	0.00			Norm	161	162	1	1	FFFFFF	FFFFFF	1.026
200	0.00			Norm	163	164	3	2	FFFFFF	FFFFFF	1.000
201	0.00			Norm	165	283	1	1	FFFFFF	FFFFFF	0.372
202	0.00			Norm	166	167	1	1	FFFFFF	FFFFFF	0.603
203	0.00			Norm	167	162	1	1	FFFFFF	FFFFFF	1.026
204	0.00			Norm	164	165	1	1	FFFRRR	FFFFFF	0.500
205	0.00			Norm	161	168	2	1	FFFFFF	FFFFFF	0.850
206	0.00			Norm	158	160	2	1	FFFFFF	FFFFFF	0.976
207	0.00			Norm	168	167	2	1	FFFFFF	FFFFFF	0.850
208	0.00			Norm	162	168	2	1	FFFFFF	FFFFFF	0.574
209	0.00			Norm	158	159	1	1	FFFRRR	FFFFFF	0.500
210	0.00			Norm	164	166	2	1	FFFFFF	FFFFFF	0.976
211	0.00			Norm	169	309	4	2	FFFFRR	FFFFFF	0.800
212	0.00			Norm	171	172	1	1	FFFFFF	FFFFFF	0.603
213	0.00			Norm	172	277	1	1	FFFFFF	FFFFFF	0.141
214	0.00			Norm	173	174	1	1	FFFFFF	FFFFFF	1.026
215	0.00			Norm	175	310	4	2	FFFFRR	FFFFFF	0.800
216	0.00			Norm	177	178	1	1	FFFFFF	FFFFFF	0.603
217	0.00			Norm	178	282	1	1	FFFFFF	FFFFFF	0.141
218	0.00			Norm	179	174	1	1	FFFFFF	FFFFFF	1.026
219	0.00			Norm	176	177	1	1	FFFRRR	FFFFFF	0.500
220	0.00			Norm	173	180	2	1	FFFFFF	FFFFFF	0.850
221	0.00			Norm	170	172	2	1	FFFFFF	FFFFFF	0.976
222	0.00			Norm	180	179	2	1	FFFFFF	FFFFFF	0.850
223	0.00			Norm	174	180	2	1	FFFFFF	FFFFFF	0.574
224	0.00			Norm	170	171	1	1	FFFRRR	FFFFFF	0.500
225	0.00			Norm	176	178	2	1	FFFFFF	FFFFFF	0.976
226	0.00			Norm	181	311	4	2	FFFFRR	FFFFFF	0.600
227	0.00			Norm	183	184	1	1	FFFFFF	FFFFFF	0.603
228	0.00			Norm	184	276	1	1	FFFFFF	FFFFFF	0.513
229	0.00			Norm	185	186	1	1	FFFFFF	FFFFFF	1.026
230	0.00			Norm	187	312	4	2	FFFFRR	FFFFFF	0.600
231	0.00			Norm	189	190	1	1	FFFFFF	FFFFFF	0.603
232	0.00			Norm	190	281	1	1	FFFFFF	FFFFFF	0.513
233	0.00			Norm	191	186	1	1	FFFFFF	FFFFFF	1.026
234	0.00			Norm	188	189	1	1	FFFRRR	FFFFFF	0.500
235	0.00			Norm	185	192	2	1	FFFFFF	FFFFFF	0.850
236	0.00			Norm	182	184	2	1	FFFFFF	FFFFFF	0.976
237	0.00			Norm	192	191	2	1	FFFFFF	FFFFFF	0.850
238	0.00			Norm	186	192	2	1	FFFFFF	FFFFFF	0.574
239	0.00			Norm	182	183	1	1	FFFRRR	FFFFFF	0.500
240	0.00			Norm	188	190	2	1	FFFFFF	FFFFFF	0.976
241	0.00			Norm	193	313	4	2	FFFFRR	FFFFFF	0.400
242	0.00			Norm	195	196	1	1	FFFFFF	FFFFFF	0.603
243	0.00			Norm	196	266	1	1	FFFFFF	FFFFFF	0.141
244	0.00			Norm	197	275	1	1	FFFFFF	FFFFFF	0.282
245	0.00			Norm	199	314	4	2	FFFFRR	FFFFFF	0.400
246	0.00			Norm	201	202	1	1	FFFFFF	FFFFFF	0.603
247	0.00			Norm	202	268	1	1	FFFFFF	FFFFFF	0.141
248	0.00			Norm	203	280	1	1	FFFFFF	FFFFFF	0.282
249	0.00			Norm	200	201	1	1	FFFRRR	FFFFFF	0.500
250	0.00			Norm	197	204	2	1	FFFFFF	FFFFFF	0.850
251	0.00			Norm	194	196	2	1	FFFFFF	FFFFFF	0.976
252	0.00			Norm	204	203	2	1	FFFFFF	FFFFFF	0.850
253	0.00			Norm	198	204	2	1	FFFFFF	FFFFFF	0.574
254	0.00			Norm	194	195	1	1	FFFRRR	FFFFFF	0.500
255	0.00			Norm	200	202	2	1	FFFFFF	FFFFFF	0.976
256	0.00			Norm	205	315	4	2	FFFFRR	FFFFFF	0.200
257	0.00			Norm	207	208	1	1	FFFFFF	FFFFFF	0.603
258	0.00			Norm	208	209	1	1	FFFFFF	FFFFFF	0.603
259	0.00			Norm	209	265	1	1	FFFFFF	FFFFFF	0.282
260	0.00			Norm	211	316	4	2	FFFFRR	FFFFFF	0.200
261	0.00			Norm	213	214	1	1	FFFFFF	FFFFFF	0.603
262	0.00			Norm	214	215	1	1	FFFFFF	FFFFFF	0.603
263	0.00			Norm	215	267	1	1	FFFFFF	FFFFFF	0.282
264	0.00			Norm	212	213	1	1	FFFRRR	FFFFFF	0.500
265	0.00			Norm	209	216	2	1	FFFFFF	FFFFFF	0.850
266	0.00			Norm	206	208	2	1	FFFFFF	FFFFFF	0.976
267	0.00			Norm	216	215	2	1	FFFFFF	FFFFFF	0.850
268	0.00			Norm	210	216	2	1	FFFFFF	FFFFFF	0.574
269	0.00			Norm	206	207	1	1	FFFRRR	FFFFFF	0.500
270	0.00			Norm	212	214	2	1	FFFFFF	FFFFFF	0.976
271	0.00			Norm	217	218	3	2	FFFFFF	FFFFFF	1.000
272	0.00			Norm	219	220	1	1	FFFFFF	FFFFFF	0.603
273	0.00			Norm	220	221	1	1	FFFFFF	FFFFFF	0.603
274	0.00			Norm	221	222	1	1	FFFFFF	FFFFFF	1.026
275	0.00			Norm	223	224	3	2	FFFFFF	FFFFFF	1.000
276	0.00			Norm	225	226	1	1	FFFFFF	FFFFFF	0.603
277	0.00			Norm	226	227	1	1	FFFFFF	FFFFFF	0.603
278	0.00			Norm	227	222	1	1	FFFFFF	FFFFFF	1.026
279	0.00			Norm	224	225	1	1	FFFRRR	FFFFFF	0.500
280	0.00			Norm	3	273	1	1	FFFFFF	FFFFFF	0.623
281	0.00			Norm	269	30	1	1	FFFFFF	FFFFFF	0.744
282	0.00			Norm	269	270	1	1	FFFFFF	FFFFFF	0.623
283	0.00			Norm	270	41	1	1	FFFFFF	FFFFFF	0.091
284	0.00			Norm	218	219	1	1	FFFRRR	FFFFFF	0.500
285	0.00			Norm	225	212	1	1	FFFFFF	FFFFFF	0.707
286	0.00			Norm	225	213	2	1	FFFFFF	FFFFFF	0.500
287	0.00			Norm	224	212	3	2	FFFFFF	FFFFFF	0.500
288	0.00			Norm	21	7	2	1	FFFFFF	FFFFFF	0.500
289	0.00			Norm	20	13	3	2	FFFFFF	FFFFFF	0.500
290	0.00			Norm	33	21	2	1	FFFFFF	FFFFFF	0.500
291	0.00			Norm	32	20	3	2	FFFFFF	FFFFFF	0.500
292	0.00			Norm	45	33	2	1	FFFFFF	FFFFFF	0.500
293	0.00			Norm	44	32	3	2	FFFFFF	FFFFFF	0.500
294	0.00			Norm	57	45	2	1	FFFFFF	FFFFFF	0.500
295	0.00			Norm	56	44	3	2	FFFFFF	FFFFFF	0.500
296	0.00			Norm	69	57	2	1	FFFFFF	FFFFFF	0.500
297	0.00			Norm	68	56	3	2	FFFFFF	FFFFFF	0.500
298	0.00			Norm	81	69	2	1	FFFFFF	FFFFFF	0.500
299	0.00			Norm	80	68	3	2	FFFFFF	FFFFFF	0.500
300	0.00			Norm	93	81	2	1	FFFFFF	FFFFFF	0.500
301	0.00			Norm	92	80	3	2	FFFFFF	FFFFFF	0.500
302	0.00			Norm	105	93	2	1	FFFFFF	FFFFFF	0.500
303	0.00			Norm	104	92	3	2	FFFFFF	FFFFFF	0.500
304	0.00			Norm	117	105	2	1	FFFFFF	FFFFFF	0.500
305	0.00			Norm	116	104	3	2	FFFFFF	FFFFFF	0.500
306	0.00			Norm	129	117	2	1	FFFFFF	FFFFFF	0.500
307	0.00			Norm	128	116	3	2	FFFFFF	FFFFFF	0.500
308	0.00			Norm	141	129	2	1	FFFFFF	FFFFFF	0.500
309	0.00			Norm	140	128	3	2	FFFFFF	FFFFFF	0.500
310	0.00			Norm	153	141	2	1	FFFFFF	FFFFFF	0.500
311	0.00			Norm	152	140	3	2	FFFFFF	FFFFFF	0.500
312	0.00			Norm	165	153	2	1	FFFFFF	FFFFFF	0.500
313	0.00			Norm	164	152	3	2	FFFFFF	FFFFFF	0.500
314	0.00			Norm	177	165	2	1	FFFFFF	FFFFFF	0.500
315	0.00			Norm	176	164	3	2	FFFFFF	FFFFFF	0.500
316	0.00			Norm	189	177	2	1	FFFFFF	FFFFFF	0.500
317	0.00			Norm	188	176	3	2	FFFFFF	FFFFFF	0.500
318	0.00			Norm	201	189	2	1	FFFFFF	FFFFFF	0.500
319	0.00			Norm	200	188	3	2	FFFFFF	FFFFFF	0.500
320	0.00			Norm	213	201	2	1	FFFFFF	FFFFFF	0.500
321	0.00			Norm	212	200	3	2	FFFFFF	FFFFFF	0.500
322	0.00			Norm	222	210	2	1	FFFFFF	FFFFFF	0.500
323	0.00			Norm	18	3	2	1	FFFFFF	FFFFFF	0.500
324	0.00			Norm	30	18	2	1	FFFFFF	FFFFFF	0.500
325	0.00			Norm	42	30	2	1	FFFFFF	FFFFFF	0.500
326	0.00			Norm	54	42	2	1	FFFFFF	FFFFFF	0.500
327	0.00			Norm	66	54	2	1	FFFFFF	FFFFFF	0.500
328	0.00			Norm	78	66	2	1	FFFFFF	FFFFFF	0.500
329	0.00			Norm	90	78	2	1	FFFFFF	FFFFFF	0.500
330	0.00			Norm	102	90	2	1	FFFFFF	FFFFFF	0.500
331	0.00			Norm	114	102	2	1	FFFFFF	FFFFFF	0.500
332	0.00			Norm	126	114	2	1	FFFFFF	FFFFFF	0.500
333	0.00			Norm	138	126	2	1	FFFFFF	FFFFFF	0.500
334	0.00			Norm	150	138	2	1	FFFFFF	FFFFFF	0.500
335	0.00			Norm	162	150	2	1	FFFFFF	FFFFFF	0.500
336	0.00			Norm	174	162	2	1	FFFFFF	FFFFFF	0.500
337	0.00			Norm	186	174	2	1	FFFFFF	FFFFFF	0.500
338	0.00			Norm	198	186	2	1	FFFFFF	FFFFFF	0.500
339	0.00			Norm	210	198	2	1	FFFFFF	FFFFFF	0.500
340	0.00			Norm	219	207	2	1	FFFFFF	FFFFFF	0.500
341	0.00			Norm	218	206	3	2	FFFFFF	FFFFFF	0.500
342	0.00			Norm	15	2	2	1	FFFFFF	FFFFFF	0.500
343	0.00			Norm	14	12	3	2	FFFFFF	FFFFFF	0.500
344	0.00			Norm	27	15	2	1	FFFFFF	FFFFFF	0.500
345	0.00			Norm	26	14	3	2	FFFFFF	FFFFFF	0.500
346	0.00			Norm	39	27	2	1	FFFFFF	FFFFFF	0.500
347	0.00			Norm	38	26	3	2	FFFFFF	FFFFFF	0.500
348	0.00			Norm	51	39	2	1	FFFFFF	FFFFFF	0.500
349	0.00			Norm	50	38	3	2	FFFFFF	FFFFFF	0.500
350	0.00			Norm	63	51	2	1	FFFFFF	FFFFFF	0.500
351	0.00			Norm	62	50	3	2	FFFFFF	FFFFFF	0.500
352	0.00			Norm	75	63	2	1	FFFFFF	FFFFFF	0.500
353	0.00			Norm	74	62	3	2	FFFFFF	FFFFFF	0.500
354	0.00			Norm	87	75	2	1	FFFFFF	FFFFFF	0.500
355	0.00			Norm	86	74	3	2	FFFFFF	FFFFFF	0.500
356	0.00			Norm	99	87	2	1	FFFFFF	FFFFFF	0.500
357	0.00			Norm	98	86	3	2	FFFFFF	FFFFFF	0.500
358	0.00			Norm	111	99	2	1	FFFFFF	FFFFFF	0.500
359	0.00			Norm	110	98	3	2	FFFFFF	FFFFFF	0.500
360	0.00			Norm	123	111	2	1	FFFFFF	FFFFFF	0.500
361	0.00			Norm	122	110	3	2	FFFFFF	FFFFFF	0.500
362	0.00			Norm	135	123	2	1	FFFFFF	FFFFFF	0.500
363	0.00			Norm	134	122	3	2	FFFFFF	FFFFFF	0.500
364	0.00			Norm	147	135	2	1	FFFFFF	FFFFFF	0.500
365	0.00			Norm	146	134	3	2	FFFFFF	FFFFFF	0.500
366	0.00			Norm	159	147	2	1	FFFFFF	FFFFFF	0.500
367	0.00			Norm	158	146	3	2	FFFFFF	FFFFFF	0.500
368	0.00			Norm	171	159	2	1	FFFFFF	FFFFFF	0.500
369	0.00			Norm	170	158	3	2	FFFFFF	FFFFFF	0.500
370	0.00			Norm	183	171	2	1	FFFFFF	FFFFFF	0.500
371	0.00			Norm	182	170	3	2	FFFFFF	FFFFFF	0.500
372	0.00			Norm	195	183	2	1	FFFFFF	FFFFFF	0.500

Memb	Dir Angle	Dir Node	Dir Axis	Memb Type	Node A	Node B	Sect	Node A Mat Fixity	Node B Fixity	Length
373	0.00			Norm	194	182	3	2 FFFFFF	FFFFFF	0.500
374	0.00			Norm	207	195	2	1 FFFFFF	FFFFFF	0.500
375	0.00			Norm	206	194	3	2 FFFFFF	FFFFFF	0.500
376	0.00			Norm	13	239	3	2 FFFFFF	FFFFFF	0.500
377	0.00			Norm	10	236	1	1 FFFFFF	FFFFFF	0.450
378	0.00			Norm	230	244	3	2 FFFFFF	FFFFFF	0.400
379	0.00			Norm	231	229	3	2 FFFFFF	FFFFFF	1.000
380	0.00			Norm	232	230	3	2 FFFFFF	FFFFFF	1.000
381	0.00			Norm	233	3	1	1 FFFFFF	FFFFFF	0.543
382	0.00			Norm	229	235	1	1 FFFRRR	FFFFFF	1.176
383	0.00			Norm	234	3	1	1 FFFFFF	FFFFFF	0.543
384	0.00			Norm	230	236	1	1 FFFRRR	FFFFFF	1.176
385	0.00			Norm	237	8	1	1 FFFFFF	FFFFFF	0.500
386	0.00			Norm	235	233	1	1 FFFFFF	FFFFFF	0.270
387	0.00			Norm	238	9	1	1 FFFFFF	FFFFFF	0.500
388	0.00			Norm	236	234	1	1 FFFFFF	FFFFFF	0.270
389	0.00			Norm	239	240	3	2 FFFFFF	FFFFFF	0.500
390	0.00			Norm	237	290	1	1 FFFFFF	FFFFFF	0.016
391	0.00			Norm	240	229	3	2 FFFFFF	FFFFFF	0.400
392	0.00			Norm	238	291	1	1 FFFFFF	FFFFFF	0.533
393	0.00			Norm	241	4	1	1 FFFFFF	FFFFFF	0.500
394	0.00			Norm	242	5	1	1 FFFFFF	FFFFFF	0.500
395	0.00			Norm	241	292	1	1 FFFFFF	FFFFFF	0.016
396	0.00			Norm	242	293	1	1 FFFFFF	FFFFFF	0.533
397	0.00			Norm	243	12	3	2 FFFFFF	FFFFFF	0.500
398	0.00			Norm	244	243	3	2 FFFFFF	FFFFFF	0.500
399	0.00			Norm	228	245	1	1 FFFFFF	FFFFFF	0.450
400	0.00			Norm	224	246	3	2 FFFFFF	FFFFFF	0.500
401	0.00			Norm	228	247	1	1 FFFFFF	FFFFFF	0.450
402	0.00			Norm	248	249	3	2 FFFFFF	FFFFFF	0.400
403	0.00			Norm	250	251	3	2 FFFFFF	FFFFFF	1.000
404	0.00			Norm	252	248	3	2 FFFFFF	FFFFFF	1.000
405	0.00			Norm	251	284	1	1 FFFRRR	FFFFFF	0.588
406	0.00			Norm	248	247	1	1 FFFRRR	FFFFFF	1.176
407	0.00			Norm	253	226	1	1 FFFFFF	FFFFFF	0.500
408	0.00			Norm	245	254	1	1 FFFFFF	FFFFFF	0.270
409	0.00			Norm	255	227	1	1 FFFFFF	FFFFFF	0.500
410	0.00			Norm	247	256	1	1 FFFFFF	FFFFFF	0.270
411	0.00			Norm	246	257	3	2 FFFFFF	FFFFFF	0.500
412	0.00			Norm	253	285	1	1 FFFFFF	FFFFFF	0.016
413	0.00			Norm	257	251	3	2 FFFFFF	FFFFFF	0.400
414	0.00			Norm	255	287	1	1 FFFFFF	FFFFFF	0.533
415	0.00			Norm	258	220	1	1 FFFFFF	FFFFFF	0.500
416	0.00			Norm	259	221	1	1 FFFFFF	FFFFFF	0.500
417	0.00			Norm	258	288	1	1 FFFFFF	FFFFFF	0.016
418	0.00			Norm	259	289	1	1 FFFFFF	FFFFFF	0.533
419	0.00			Norm	260	218	3	2 FFFFFF	FFFFFF	0.500
420	0.00			Norm	249	260	3	2 FFFFFF	FFFFFF	0.500
421	0.00			Norm	219	206	1	1 FFFFFF	FFFFFF	0.707
422	0.00			Norm	2	14	1	1 FFFFFF	FFFFFF	0.707
423	0.00			Norm	7	20	1	1 FFFFFF	FFFFFF	0.707
424	0.00			Norm	261	35	1	1 FFFFFF	FFFFFF	0.463
425	0.00			Norm	270	271	1	1 FFFFFF	FFFFFF	0.623
426	0.00			Norm	262	18	1	1 FFFFFF	FFFFFF	0.744
427	0.00			Norm	271	53	1	1 FFFFFF	FFFFFF	0.463
428	0.00			Norm	263	273	1	1 FFFFFF	FFFFFF	0.372
429	0.00			Norm	271	272	1	1 FFFFFF	FFFFFF	0.623
430	0.00			Norm	264	29	1	1 FFFFFF	FFFFFF	0.463
431	0.00			Norm	272	64	1	1 FFFFFF	FFFFFF	0.231
432	0.00			Norm	265	274	1	1 FFFFFF	FFFFFF	0.372
433	0.00			Norm	272	75	1	1 FFFFFF	FFFFFF	0.623
434	0.00			Norm	266	197	1	1 FFFFFF	FFFFFF	0.463
435	0.00			Norm	273	269	1	1 FFFFFF	FFFFFF	0.623
436	0.00			Norm	267	279	1	1 FFFFFF	FFFFFF	0.372
437	0.00			Norm	273	18	1	1 FFFFFF	FFFFFF	0.372
438	0.00			Norm	268	203	1	1 FFFFFF	FFFFFF	0.463
439	0.00			Norm	283	166	1	1 FFFFFF	FFFFFF	0.231
440	0.00			Norm	282	179	1	1 FFFFFF	FFFFFF	0.463
441	0.00			Norm	281	191	1	1 FFFFFF	FFFFFF	0.091
442	0.00			Norm	280	198	1	1 FFFFFF	FFFFFF	0.744
443	0.00			Norm	279	210	1	1 FFFFFF	FFFFFF	0.372
444	0.00			Norm	223	211	5	2 FFFFFF	FFFFFF	0.500
445	0.00			Norm	278	160	1	1 FFFFFF	FFFFFF	0.231
446	0.00			Norm	277	173	1	1 FFFFFF	FFFFFF	0.463
447	0.00			Norm	276	185	1	1 FFFFFF	FFFFFF	0.091
448	0.00			Norm	275	198	1	1 FFFFFF	FFFFFF	0.744
449	0.00			Norm	274	210	1	1 FFFFFF	FFFFFF	0.372
450	0.00			Norm	19	6	5	2 FFFFFF	FFFFFF	0.500
451	0.00			Norm	31	19	5	2 FFFFFF	FFFFFF	0.500
452	0.00			Norm	43	31	5	2 FFFFFF	FFFFFF	0.500
453	0.00			Norm	55	43	5	2 FFFFFF	FFFFFF	0.500
454	0.00			Norm	67	55	5	2 FFFFFF	FFFFFF	0.500
455	0.00			Norm	79	67	5	2 FFFFFF	FFFFFF	0.500
456	0.00			Norm	91	79	5	2 FFFFFF	FFFFFF	0.500
457	0.00			Norm	103	91	5	2 FFFFFF	FFFFFF	0.500
458	0.00			Norm	115	103	5	2 FFFFFF	FFFFFF	0.500
459	0.00			Norm	127	115	5	2 FFFFFF	FFFFFF	0.500
460	0.00			Norm	139	127	5	2 FFFFFF	FFFFFF	0.500
461	0.00			Norm	151	139	5	2 FFFFFF	FFFFFF	0.500
462	0.00			Norm	163	151	5	2 FFFFFF	FFFFFF	0.500
463	0.00			Norm	175	163	5	2 FFFFFF	FFFFFF	0.500
464	0.00			Norm	187	175	5	2 FFFFFF	FFFFFF	0.500
465	0.00			Norm	199	187	5	2 FFFFFF	FFFFFF	0.500
466	0.00			Norm	211	199	5	2 FFFFFF	FFFFFF	0.500
467	0.00			Norm	217	205	5	2 FFFFFF	FFFFFF	0.500
468	0.00			Norm	11	1	5	2 FFFFFF	FFFFFF	0.500
469	0.00			Norm	25	11	5	2 FFFFFF	FFFFFF	0.500
470	0.00			Norm	37	25	5	2 FFFFFF	FFFFFF	0.500
471	0.00			Norm	49	37	5	2 FFFFFF	FFFFFF	0.500
472	0.00			Norm	284	245	1	1 FFFFFF	FFFFFF	0.588
473	0.00			Norm	61	49	5	2 FFFFFF	FFFFFF	0.500
474	0.00			Norm	285	246	1	1 FFFFFF	FFFRRR	0.321
475	0.00			Norm	73	61	5	2 FFFFFF	FFFFFF	0.500
476	0.00			Norm	287	257	1	1 FFFFFF	FFFRRR	0.143
477	0.00			Norm	85	73	5	2 FFFFFF	FFFFFF	0.500
478	0.00			Norm	97	85	5	2 FFFFFF	FFFFFF	0.500
479	0.00			Norm	288	260	1	1 FFFFFF	FFFRRR	0.321
480	0.00			Norm	109	97	5	2 FFFFFF	FFFFFF	0.500
481	0.00			Norm	289	249	1	1 FFFFFF	FFFRRR	0.143
482	0.00			Norm	121	109	5	2 FFFFFF	FFFFFF	0.500
483	0.00			Norm	133	121	5	2 FFFFFF	FFFFFF	0.500
484	0.00			Norm	145	133	5	2 FFFFFF	FFFFFF	0.500
485	0.00			Norm	157	145	5	2 FFFFFF	FFFFFF	0.500
486	0.00			Norm	169	157	5	2 FFFFFF	FFFFFF	0.500
487	0.00			Norm	181	169	5	2 FFFFFF	FFFFFF	0.500
488	0.00			Norm	193	181	5	2 FFFFFF	FFFFFF	0.500
489	0.00			Norm	290	239	1	1 FFFFFF	FFFRRR	0.321
490	0.00			Norm	291	240	1	1 FFFFFF	FFFRRR	0.143
491	0.00			Norm	292	243	1	1 FFFFFF	FFFRRR	0.321
492	0.00			Norm	293	244	1	1 FFFFFF	FFFRRR	0.143
493	0.00			Norm	205	193	5	2 FFFFFF	FFFFFF	0.500
494	0.00			Norm	6	286	5	2 FFFFFF	FFFFFF	0.500
495	0.00			Norm	232	294	5	2 FFFFFF	FFFFFF	0.400
496	0.00			Norm	286	295	5	2 FFFFFF	FFFFFF	0.500
497	0.00			Norm	295	231	5	2 FFFFFF	FFFFFF	0.400
498	0.00			Norm	296	1	5	2 FFFFFF	FFFFFF	0.500
499	0.00			Norm	294	296	5	2 FFFFFF	FFFFFF	0.500
500	0.00			Norm	223	297	5	2 FFFFFF	FFFFFF	0.500
501	0.00			Norm	252	298	5	2 FFFFFF	FFFFFF	0.400
502	0.00			Norm	297	299	5	2 FFFFFF	FFFFFF	0.500
503	0.00			Norm	299	250	5	2 FFFFFF	FFFFFF	0.400
504	0.00			Norm	300	217	5	2 FFFFFF	FFFFFF	0.500
505	0.00			Norm	298	300	5	2 FFFFFF	FFFFFF	0.500
506	0.00			Norm	231	232	5	2 FFFFFF	FFFFFF	0.900
507	0.00			Norm	250	252	5	2 FFFFFF	FFFFFF	0.900
508	0.00			Norm	230	1	4	2 FFFFFR	FFFFFR	1.720
509	0.00			Norm	1	301	4	2 FFFFFR	FFFFFF	0.539
510	0.00			Norm	6	229	4	2 FFFFFR	FFFFFR	1.720
511	0.00			Norm	217	248	4	2 FFFFFR	FFFFFR	1.720
512	0.00			Norm	217	315	4	2 FFFFFR	FFFFFF	0.539
513	0.00			Norm	223	251	4	2 FFFFFR	FFFFFR	1.720
514	0.00			Norm	223	316	4	2 FFFFFR	FFFFFF	0.539
515	0.00			Norm	6	302	4	2 FFFFFR	FFFFFF	0.539
516	0.00			Norm	301	14	4	2 FFFFFF	FFFFRR	0.800
517	0.00			Norm	301	303	4	2 FFFFFF	FFFFFF	0.539
518	0.00			Norm	302	20	4	2 FFFFFF	FFFFRR	0.800
519	0.00			Norm	302	304	4	2 FFFFFF	FFFFFF	0.539
520	0.00			Norm	303	26	4	2 FFFFFF	FFFFRR	0.600
521	0.00			Norm	303	305	4	2 FFFFFF	FFFFFF	0.539
522	0.00			Norm	304	32	4	2 FFFFFF	FFFFRR	0.600
523	0.00			Norm	304	306	4	2 FFFFFF	FFFFFF	0.539
524	0.00			Norm	305	38	4	2 FFFFFF	FFFFRR	0.400
525	0.00			Norm	305	307	4	2 FFFFFF	FFFFFF	0.539
526	0.00			Norm	306	44	4	2 FFFFFF	FFFFRR	0.400
527	0.00			Norm	306	308	4	2 FFFFFF	FFFFFF	0.539
528	0.00			Norm	307	50	4	2 FFFFFF	FFFFRR	0.200
529	0.00			Norm	307	62	4	2 FFFFFF	FFFRRR	0.539
530	0.00			Norm	308	56	4	2 FFFFFF	FFFFRR	0.200
531	0.00			Norm	308	68	4	2 FFFFFF	FFFRRR	0.539
532	0.00			Norm	309	170	4	2 FFFFFF	FFFFRR	0.200
533	0.00			Norm	309	158	4	2 FFFFFF	FFFRRR	0.539
534	0.00			Norm	310	176	4	2 FFFFFF	FFFFRR	0.200
535	0.00			Norm	310	164	4	2 FFFFFF	FFFRRR	0.539
536	0.00			Norm	311	182	4	2 FFFFFF	FFFFRR	0.400
537	0.00			Norm	311	309	4	2 FFFFFF	FFFFFF	0.539
538	0.00			Norm	312	188	4	2 FFFFFF	FFFFRR	0.400
539	0.00			Norm	312	310	4	2 FFFFFF	FFFFFF	0.539
540	0.00			Norm	313	194	4	2 FFFFFF	FFFFRR	0.600
541	0.00			Norm	313	311	4	2 FFFFFF	FFFFFF	0.539
542	0.00			Norm	314	200	4	2 FFFFFF	FFFFRR	0.600
543	0.00			Norm	314	312	4	2 FFFFFF	FFFFFF	0.539
544	0.00			Norm	315	206	4	2 FFFFFF	FFFFRR	0.800
545	0.00			Norm	315	313	4	2 FFFFFF	FFFFFF	0.539
546	0.00			Norm	316	212	4	2 FFFFFF	FFFFRR	0.800
547	0.00			Norm	316	314	4	2 FFFFFF	FFFFFF	0.539
565	0.00			Norm	227	215	2	1 FFFFFF	FFFFFF	0.500
566	0.00			Norm	23	9	2	1 FFFFFF	FFFFFF	0.500
567	0.00			Norm	35	23	2	1 FFFFFF	FFFFFF	0.500
568	0.00			Norm	47	35	2	1 FFFFFF	FFFFFF	0.500
569	0.00			Norm	59	47	2	1 FFFFFF	FFFFFF	0.500
570	0.00			Norm	71	59	2	1 FFFFFF	FFFFFF	0.500
571	0.00			Norm	83	71	2	1 FFFFFF	FFFFFF	0.500
572	0.00			Norm	95	83	2	1 FFFFFF	FFFFFF	0.500
573	0.00			Norm	107	95	2	1 FFFFFF	FFFFFF	0.500
574	0.00			Norm	119	107	2	1 FFFFFF	FFFFFF	0.500
575	0.00			Norm	131	119	2	1 FFFFFF	FFFFFF	0.500
576	0.00			Norm	143	131	2	1 FFFFFF	FFFFFF	0.500
577	0.00			Norm	155	143	2	1 FFFFFF	FFFFFF	0.500
578	0.00			Norm	167	155	2	1 FFFFFF	FFFFFF	0.500
579	0.00			Norm	179	167	2	1 FFFFFF	FFFFFF	0.500
580	0.00			Norm	191	179	2	1 FFFFFF	FFFFFF	0.500
581	0.00			Norm	203	191	2	1 FFFFFF	FFFFFF	0.500
582	0.00			Norm	215	203	2	1 FFFFFF	FFFFFF	0.500
600	0.00			Norm	221	209	2	1 FFFFFF	FFFFFF	0.500
601	0.00			Norm	17	5	2	1 FFFFFF	FFFFFF	0.500
602	0.00			Norm	29	17	2	1 FFFFFF	FFFFFF	0.500
603	0.00			Norm	41	29	2	1 FFFFFF	FFFFFF	0.500
604	0.00			Norm	53	41	2	1 FFFFFF	FFFFFF	0.500
605	0.00			Norm	65	53	2	1 FFFFFF	FFFFFF	0.500
606	0.00			Norm	77	65	2	1 FFFFFF	FFFFFF	0.500
607	0.00			Norm	89	77	2	1 FFFFFF	FFFFFF	0.500
608	0.00			Norm	101	89	2	1 FFFFFF	FFFFFF	0.500
609	0.00			Norm	113	101	2	1 FFFFFF	FFFFFF	0.500
610	0.00			Norm	125	113	2	1 FFFFFF	FFFFFF	0.500
611	0.00			Norm	137	125	2	1 FFFFFF	FFFFFF	0.500
612	0.00			Norm	149	137	2	1 FFFFFF	FFFFFF	0.500
613	0.00			Norm	161	149	2	1 FFFFFF	FFFFFF	0.500
614	0.00			Norm	173	161	2	1 FFFFFF	FFFFFF	0.500
615	0.00			Norm	185	173	2	1 FFFFFF	FFFFFF	0.500
616	0.00			Norm	197	185	2	1 FFFFFF	FFFFFF	0.500
617	0.00			Norm	209	197	2	1 FFFFFF	FFFFFF	0.500

NODE RESTRAINTS (kN/m,kNm/rad)

---------- (F=Fixed, R=Released, S=Spring, *=General)

Node	Rest Code	X Axial Stiffness	Y Axial Stiffness	Z Axial Stiffness	X Rotation Stiffness	Y Rotation Stiffness	Z Rotation Stiffness
1	FFFFFF						
6	FFFFFF						
11	FFFRRR						
19	FFFRRR						
25	FFFRRR						
31	FFFRRR						
37	FFFRRR						
43	FFFRRR						
49	FFFRRR						
55	FFFRRR						
61	FFFFFF						
67	FFFFFF						
73	FFFRRR						
79	FFFRRR						
85	FFFRRR						
91	FFFRRR						
97	FFFRRR						
103	FFFRRR						
109	FFFFFF						
115	FFFFFF						
121	FFFRRR						
127	FFFRRR						
133	FFFRRR						
139	FFFRRR						
145	FFFRRR						
151	FFFRRR						
157	FFFFFF						
163	FFFFFF						
169	FFFRRR						
175	FFFRRR						
181	FFFRRR						

SPACE GASS 11.04 - STRUCTURAL CONCEPTS LTD
Job: \\Sclnapsbs001.scl.local\Data\Engineers\Garry Newton Ltd\1923 \Design\Computer Analysis\2243\1923-2243 130510 EXISTING GN3 Loads ok

Node	Rest Code	X Axial Stiffness	Y Axial Stiffness	Z Axial Stiffness	X Rotation Stiffness	Y Rotation Stiffness	Z Rotation Stiffness
187	FFFRRR						
193	FFFRRR						
199	FFFRRR						
205	FFFRRR						
211	FFFRRR						
217	FFFFFF						
223	FFFFFF						
231	FFFFFF						
232	FFFFFF						
250	FFFFFF						
252	FFFFFF						

SECTION PROPERTIES (mm,mm^2,mm^4,deg)

Sect	Name	Mark	Shape	Source
1	25*3 EA	S1	Equal angle	Aust300
2	30*3 EA	S2	Equal angle	Aust300
3	Concrete column	S3	Solid square	User
4	Brick	S4	Solid square	User
5	Foundation	S5	Solid square	User

Sect	Area of Section	Torsion Constant	Y-Axis Mom of In	Z-Axis Mom of In	Y-Axis Shr Area	Z-Axis Shr Area	Princ Angle
1	1.4300E+02	5.1500E+02	3.1900E+03	1.2100E+04	Infinite	Infinite	45.00
2	1.7300E+02	6.0500E+02	5.7300E+03	2.1800E+04	Infinite	Infinite	45.00
3	2.2500E+04	7.1179E+07	4.2188E+07	4.2188E+07	Infinite	Infinite	0.00
4	5.6250E+03	4.4487E+06	2.6367E+06	2.6367E+06	Infinite	Infinite	0.00
5	6.2500E+04	5.4922E+08	3.2552E+08	3.2552E+08	Infinite	Infinite	0.00

Sect	Shape	Trans	Mir	Rotate	D	Bt/Bb	Btw/Bbw	Tt/Tb	Tw/Rr
1	Equal angle	No	No	0.00	25.00	0.00	0.00	0.00	3.00
						0.00	0.00	3.00	5.00
2	Equal angle	No	No	0.00	30.00	0.00	0.00	0.00	3.00
						0.00	0.00	3.00	5.00
3	Solid square	No	No	0.00	150.00	0.00	0.00	0.00	0.00
						0.00	0.00	0.00	0.00
4	Solid square	No	No	0.00	75.00	0.00	0.00	0.00	0.00
						0.00	0.00	0.00	0.00
5	Solid square	No	No	0.00	250.00	0.00	0.00	0.00	0.00
						0.00	0.00	0.00	0.00

MATERIAL PROPERTIES (MPa,T/m^3,strain/degC)

Matl	Material Name	Young's Modulus	Poisson's Ratio	Mass Density	Coeff of Expansion	Concrete Strength
1	STEEL	2.0000E+05	0.25	7.8500E+00	1.170E-05	
2	CONCRETE-20	2.5000E+04	0.20	2.5000E+00	1.000E-05	20.00

NODE LOADS (kN,kNm)

Load Case	Node	X-Axis Force	Y-Axis Force	Z-Axis Force	X-Axis Moment	Y-Axis Moment	Z-Axis Moment
2	3	0.750	0.000	0.000	0.000	0.000	0.000
	12	1.320	0.000	0.000	0.000	0.000	0.000
	13	1.320	0.000	0.000	0.000	0.000	0.000
	14	1.320	0.000	0.000	0.000	0.000	0.000
	18	0.750	0.000	0.000	0.000	0.000	0.000
	20	1.320	0.000	0.000	0.000	0.000	0.000
	26	1.320	0.000	0.000	0.000	0.000	0.000
	30	0.750	0.000	0.000	0.000	0.000	0.000
	32	1.320	0.000	0.000	0.000	0.000	0.000
	38	1.320	0.000	0.000	0.000	0.000	0.000
	42	0.750	0.000	0.000	0.000	0.000	0.000
	44	1.320	0.000	0.000	0.000	0.000	0.000
	50	1.320	0.000	0.000	0.000	0.000	0.000
	54	0.750	0.000	0.000	0.000	0.000	0.000
	56	1.320	0.000	0.000	0.000	0.000	0.000
	62	1.320	0.000	0.000	0.000	0.000	0.000
	66	0.750	0.000	0.000	0.000	0.000	0.000
	68	1.320	0.000	0.000	0.000	0.000	0.000
	74	1.320	0.000	0.000	0.000	0.000	0.000
	78	0.750	0.000	0.000	0.000	0.000	0.000
	80	1.320	0.000	0.000	0.000	0.000	0.000
	86	1.320	0.000	0.000	0.000	0.000	0.000
	90	0.750	0.000	0.000	0.000	0.000	0.000
	92	1.320	0.000	0.000	0.000	0.000	0.000
	98	1.320	0.000	0.000	0.000	0.000	0.000
	102	0.750	0.000	0.000	0.000	0.000	0.000
	104	1.320	0.000	0.000	0.000	0.000	0.000
	110	1.320	0.000	0.000	0.000	0.000	0.000
	114	0.750	0.000	0.000	0.000	0.000	0.000
	116	1.320	0.000	0.000	0.000	0.000	0.000
	122	1.320	0.000	0.000	0.000	0.000	0.000
	126	0.750	0.000	0.000	0.000	0.000	0.000
	128	1.320	0.000	0.000	0.000	0.000	0.000
	134	1.320	0.000	0.000	0.000	0.000	0.000
	138	0.750	0.000	0.000	0.000	0.000	0.000
	140	1.320	0.000	0.000	0.000	0.000	0.000
	146	1.320	0.000	0.000	0.000	0.000	0.000
	150	0.750	0.000	0.000	0.000	0.000	0.000
	152	1.320	0.000	0.000	0.000	0.000	0.000
	158	1.320	0.000	0.000	0.000	0.000	0.000
	162	0.750	0.000	0.000	0.000	0.000	0.000
	164	1.320	0.000	0.000	0.000	0.000	0.000
	170	1.320	0.000	0.000	0.000	0.000	0.000
	174	0.750	0.000	0.000	0.000	0.000	0.000
	176	1.320	0.000	0.000	0.000	0.000	0.000
	182	1.320	0.000	0.000	0.000	0.000	0.000
	186	0.750	0.000	0.000	0.000	0.000	0.000
	188	1.320	0.000	0.000	0.000	0.000	0.000
	194	1.320	0.000	0.000	0.000	0.000	0.000
	198	0.750	0.000	0.000	0.000	0.000	0.000
	200	1.320	0.000	0.000	0.000	0.000	0.000
	206	1.320	0.000	0.000	0.000	0.000	0.000
	210	0.750	0.000	0.000	0.000	0.000	0.000
	212	1.320	0.000	0.000	0.000	0.000	0.000
	218	1.320	0.000	0.000	0.000	0.000	0.000
	222	0.750	0.000	0.000	0.000	0.000	0.000
	224	1.320	0.000	0.000	0.000	0.000	0.000
3	3	0.000	0.000	0.750	0.000	0.000	0.000
	12	0.000	0.000	1.320	0.000	0.000	0.000
	13	0.000	0.000	1.320	0.000	0.000	0.000
	14	0.000	0.000	1.320	0.000	0.000	0.000
	18	0.000	0.000	0.750	0.000	0.000	0.000
	20	0.000	0.000	1.320	0.000	0.000	0.000
	26	0.000	0.000	1.320	0.000	0.000	0.000
	30	0.000	0.000	0.750	0.000	0.000	0.000
	32	0.000	0.000	1.320	0.000	0.000	0.000
	38	0.000	0.000	1.320	0.000	0.000	0.000
	42	0.000	0.000	0.750	0.000	0.000	0.000
	44	0.000	0.000	1.320	0.000	0.000	0.000
	50	0.000	0.000	1.320	0.000	0.000	0.000
	54	0.000	0.000	0.750	0.000	0.000	0.000
	56	0.000	0.000	1.320	0.000	0.000	0.000
	62	0.000	0.000	1.320	0.000	0.000	0.000
	66	0.000	0.000	0.750	0.000	0.000	0.000
	68	0.000	0.000	1.320	0.000	0.000	0.000
	74	0.000	0.000	1.320	0.000	0.000	0.000
	78	0.000	0.000	0.750	0.000	0.000	0.000
	80	0.000	0.000	1.320	0.000	0.000	0.000
	86	0.000	0.000	1.320	0.000	0.000	0.000
	90	0.000	0.000	0.750	0.000	0.000	0.000
	92	0.000	0.000	1.320	0.000	0.000	0.000
	98	0.000	0.000	1.320	0.000	0.000	0.000
	102	0.000	0.000	0.750	0.000	0.000	0.000
	104	0.000	0.000	1.320	0.000	0.000	0.000
	110	0.000	0.000	1.320	0.000	0.000	0.000
	114	0.000	0.000	0.750	0.000	0.000	0.000
	116	0.000	0.000	1.320	0.000	0.000	0.000
	122	0.000	0.000	1.320	0.000	0.000	0.000
	126	0.000	0.000	0.750	0.000	0.000	0.000
	128	0.000	0.000	1.320	0.000	0.000	0.000
	134	0.000	0.000	1.320	0.000	0.000	0.000
	138	0.000	0.000	0.750	0.000	0.000	0.000
	140	0.000	0.000	1.320	0.000	0.000	0.000
	146	0.000	0.000	1.320	0.000	0.000	0.000
	150	0.000	0.000	0.750	0.000	0.000	0.000
	152	0.000	0.000	1.320	0.000	0.000	0.000
	158	0.000	0.000	1.320	0.000	0.000	0.000
	162	0.000	0.000	0.750	0.000	0.000	0.000
	164	0.000	0.000	1.320	0.000	0.000	0.000
	170	0.000	0.000	1.320	0.000	0.000	0.000
	174	0.000	0.000	0.750	0.000	0.000	0.000
	176	0.000	0.000	1.320	0.000	0.000	0.000
	182	0.000	0.000	1.320	0.000	0.000	0.000
	186	0.000	0.000	0.750	0.000	0.000	0.000
	188	0.000	0.000	1.320	0.000	0.000	0.000
	194	0.000	0.000	1.320	0.000	0.000	0.000
	198	0.000	0.000	0.750	0.000	0.000	0.000
	200	0.000	0.000	1.320	0.000	0.000	0.000
	206	0.000	0.000	1.320	0.000	0.000	0.000
	210	0.000	0.000	0.750	0.000	0.000	0.000
	212	0.000	0.000	1.320	0.000	0.000	0.000
	218	0.000	0.000	1.320	0.000	0.000	0.000
	222	0.000	0.000	0.750	0.000	0.000	0.000
	224	0.000	0.000	1.320	0.000	0.000	0.000

SELF WEIGHT (g's)

Load Case	X-Axis Accel'n	Y-Axis Accel'n	Z-Axis Accel'n
1	0.000	-1.000	0.000

COMBINATION LOAD CASES

Load case 4: SW+Seism on X direction

1.000 * Load case 1: Self Weight
1.000 * Load case 2: Seism on X direction

Load case 5: SW+Seism on Z direction

1.000 * Load case 1: Self Weight
1.000 * Load case 3: Seism on Z direction

LOAD CASE TITLES

Load Case	Title
1	Self Weight
2	Seism on X direction
3	Seism on Z direction
4	SW+Seism on X direction
5	SW+Seism on Z direction
6	LMD on X direction
7	LMD on Z direction
16	Spectral loads on X direction
17	Spectral loads on Z direction

LUMPED MASSES (T,Tm^2)

Load Case	Node	X-Axis Mass	Y-Axis Mass	Z-Axis Mass	X-Axis Mass	Y-Axis Mass	Z-Axis Mass
6	3	0.050	0.000	0.000	0.000	0.000	0.000
	12	0.160	0.000	0.000	0.000	0.000	0.000
	13	0.160	0.000	0.000	0.000	0.000	0.000
	14	0.160	0.000	0.000	0.000	0.000	0.000
	18	0.050	0.000	0.000	0.000	0.000	0.000
	20	0.160	0.000	0.000	0.000	0.000	0.000
	26	0.160	0.000	0.000	0.000	0.000	0.000
	30	0.050	0.000	0.000	0.000	0.000	0.000
	32	0.160	0.000	0.000	0.000	0.000	0.000
	38	0.160	0.000	0.000	0.000	0.000	0.000
	42	0.050	0.000	0.000	0.000	0.000	0.000
	44	0.160	0.000	0.000	0.000	0.000	0.000
	50	0.160	0.000	0.000	0.000	0.000	0.000
	54	0.050	0.000	0.000	0.000	0.000	0.000
	56	0.160	0.000	0.000	0.000	0.000	0.000
	62	0.160	0.000	0.000	0.000	0.000	0.000
	66	0.050	0.000	0.000	0.000	0.000	0.000
	68	0.160	0.000	0.000	0.000	0.000	0.000
	74	0.160	0.000	0.000	0.000	0.000	0.000
	78	0.050	0.000	0.000	0.000	0.000	0.000
	80	0.160	0.000	0.000	0.000	0.000	0.000
	86	0.160	0.000	0.000	0.000	0.000	0.000
	90	0.050	0.000	0.000	0.000	0.000	0.000
	92	0.160	0.000	0.000	0.000	0.000	0.000
	98	0.160	0.000	0.000	0.000	0.000	0.000

Load Case	Node	X-Axis Mass	Y-Axis Mass	Z-Axis Mass	X-Axis Mass	Y-Axis Mass	Z-Axis Mass
	102	0.050	0.000	0.000	0.000	0.000	0.000
	104	0.160	0.000	0.000	0.000	0.000	0.000
	110	0.160	0.000	0.000	0.000	0.000	0.000
	114	0.050	0.000	0.000	0.000	0.000	0.000
	116	0.160	0.000	0.000	0.000	0.000	0.000
	122	0.160	0.000	0.000	0.000	0.000	0.000
	126	0.050	0.000	0.000	0.000	0.000	0.000
	128	0.160	0.000	0.000	0.000	0.000	0.000
	134	0.160	0.000	0.000	0.000	0.000	0.000
	138	0.050	0.000	0.000	0.000	0.000	0.000
	140	0.160	0.000	0.000	0.000	0.000	0.000
	146	0.160	0.000	0.000	0.000	0.000	0.000
	150	0.050	0.000	0.000	0.000	0.000	0.000
	152	0.160	0.000	0.000	0.000	0.000	0.000
	158	0.160	0.000	0.000	0.000	0.000	0.000
	162	0.050	0.000	0.000	0.000	0.000	0.000
	164	0.160	0.000	0.000	0.000	0.000	0.000
	170	0.160	0.000	0.000	0.000	0.000	0.000
	174	0.050	0.000	0.000	0.000	0.000	0.000
	176	0.160	0.000	0.000	0.000	0.000	0.000
	182	0.160	0.000	0.000	0.000	0.000	0.000
	186	0.050	0.000	0.000	0.000	0.000	0.000
	188	0.160	0.000	0.000	0.000	0.000	0.000
	194	0.160	0.000	0.000	0.000	0.000	0.000
	198	0.050	0.000	0.000	0.000	0.000	0.000
	200	0.160	0.000	0.000	0.000	0.000	0.000
	206	0.160	0.000	0.000	0.000	0.000	0.000
	210	0.050	0.000	0.000	0.000	0.000	0.000
	212	0.160	0.000	0.000	0.000	0.000	0.000
	218	0.160	0.000	0.000	0.000	0.000	0.000
	222	0.050	0.000	0.000	0.000	0.000	0.000
	224	0.160	0.000	0.000	0.000	0.000	0.000
7	3	0.000	0.000	0.050	0.000	0.000	0.000
	12	0.000	0.000	0.160	0.000	0.000	0.000
	13	0.000	0.000	0.160	0.000	0.000	0.000
	14	0.000	0.000	0.160	0.000	0.000	0.000
	18	0.000	0.000	0.050	0.000	0.000	0.000
	20	0.000	0.000	0.160	0.000	0.000	0.000
	26	0.000	0.000	0.160	0.000	0.000	0.000
	30	0.000	0.000	0.050	0.000	0.000	0.000
	32	0.000	0.000	0.160	0.000	0.000	0.000
	38	0.000	0.000	0.160	0.000	0.000	0.000
	42	0.000	0.000	0.050	0.000	0.000	0.000
	44	0.000	0.000	0.160	0.000	0.000	0.000
	50	0.000	0.000	0.160	0.000	0.000	0.000
	54	0.000	0.000	0.050	0.000	0.000	0.000
	56	0.000	0.000	0.160	0.000	0.000	0.000
	62	0.000	0.000	0.160	0.000	0.000	0.000
	66	0.000	0.000	0.050	0.000	0.000	0.000
	68	0.000	0.000	0.160	0.000	0.000	0.000
	74	0.000	0.000	0.160	0.000	0.000	0.000
	78	0.000	0.000	0.050	0.000	0.000	0.000
	80	0.000	0.000	0.160	0.000	0.000	0.000
	86	0.000	0.000	0.160	0.000	0.000	0.000
	90	0.000	0.000	0.050	0.000	0.000	0.000
	92	0.000	0.000	0.160	0.000	0.000	0.000
	98	0.000	0.000	0.160	0.000	0.000	0.000
	102	0.000	0.000	0.050	0.000	0.000	0.000
	104	0.000	0.000	0.160	0.000	0.000	0.000
	110	0.000	0.000	0.160	0.000	0.000	0.000
	114	0.000	0.000	0.050	0.000	0.000	0.000
	116	0.000	0.000	0.160	0.000	0.000	0.000
	122	0.000	0.000	0.160	0.000	0.000	0.000
	126	0.000	0.000	0.050	0.000	0.000	0.000
	128	0.000	0.000	0.160	0.000	0.000	0.000
	134	0.000	0.000	0.160	0.000	0.000	0.000
	138	0.000	0.000	0.050	0.000	0.000	0.000
	140	0.000	0.000	0.160	0.000	0.000	0.000
	146	0.000	0.000	0.160	0.000	0.000	0.000
	150	0.000	0.000	0.050	0.000	0.000	0.000
	152	0.000	0.000	0.160	0.000	0.000	0.000
	158	0.000	0.000	0.160	0.000	0.000	0.000
	162	0.000	0.000	0.050	0.000	0.000	0.000
	164	0.000	0.000	0.160	0.000	0.000	0.000
	170	0.000	0.000	0.160	0.000	0.000	0.000
	174	0.000	0.000	0.050	0.000	0.000	0.000
	176	0.000	0.000	0.160	0.000	0.000	0.000
	182	0.000	0.000	0.160	0.000	0.000	0.000
	186	0.000	0.000	0.050	0.000	0.000	0.000
	188	0.000	0.000	0.160	0.000	0.000	0.000
	194	0.000	0.000	0.160	0.000	0.000	0.000
	198	0.000	0.000	0.050	0.000	0.000	0.000
	200	0.000	0.000	0.160	0.000	0.000	0.000
	206	0.000	0.000	0.160	0.000	0.000	0.000
	210	0.000	0.000	0.050	0.000	0.000	0.000
	212	0.000	0.000	0.160	0.000	0.000	0.000
	218	0.000	0.000	0.160	0.000	0.000	0.000
	222	0.000	0.000	0.050	0.000	0.000	0.000
	224	0.000	0.000	0.160	0.000	0.000	0.000

SPECTRAL LOAD DATA

Load Case	Mode Shape	Spectral Curve	Damping Factor	Mass Case	Direction Vector Dx	Dy	Dz
16	1	NZS1170.5D	5.0%	6	1.000	0.000	0.000
	2	NZS1170.5D	5.0%	6	1.000	0.000	0.000
	3	NZS1170.5D	5.0%	6	1.000	0.000	0.000
	4	NZS1170.5D	5.0%	6	1.000	0.000	0.000
	5	NZS1170.5D	5.0%	6	1.000	0.000	0.000
	6	NZS1170.5D	5.0%	6	1.000	0.000	0.000
	7	NZS1170.5D	5.0%	6	1.000	0.000	0.000
	8	NZS1170.5D	5.0%	6	1.000	0.000	0.000
	9	NZS1170.5D	5.0%	6	1.000	0.000	0.000
	10	NZS1170.5D	5.0%	6	1.000	0.000	0.000
	11	NZS1170.5D	5.0%	6	1.000	0.000	0.000
	12	NZS1170.5D	5.0%	6	1.000	0.000	0.000
	13	NZS1170.5D	5.0%	6	1.000	0.000	0.000
	14	NZS1170.5D	5.0%	6	1.000	0.000	0.000
	15	NZS1170.5D	5.0%	6	1.000	0.000	0.000
	16	NZS1170.5D	5.0%	6	1.000	0.000	0.000
	17	NZS1170.5D	5.0%	6	1.000	0.000	0.000
	18	NZS1170.5D	5.0%	6	1.000	0.000	0.000
	19	NZS1170.5D	5.0%	6	1.000	0.000	0.000
17	1	NZS1170.5D	5.0%	7	0.000	0.000	1.000
	2	NZS1170.5D	5.0%	7	0.000	0.000	1.000
	3	NZS1170.5D	5.0%	7	0.000	0.000	1.000
	4	NZS1170.5D	5.0%	7	0.000	0.000	1.000
	5	NZS1170.5D	5.0%	7	0.000	0.000	1.000
	6	NZS1170.5D	5.0%	7	0.000	0.000	1.000
	7	NZS1170.5D	5.0%	7	0.000	0.000	1.000
	8	NZS1170.5D	5.0%	7	0.000	0.000	1.000
	9	NZS1170.5D	5.0%	7	0.000	0.000	1.000
	10	NZS1170.5D	5.0%	7	0.000	0.000	1.000
	11	NZS1170.5D	5.0%	7	0.000	0.000	1.000
	12	NZS1170.5D	5.0%	7	0.000	0.000	1.000
	13	NZS1170.5D	5.0%	7	0.000	0.000	1.000
	14	NZS1170.5D	5.0%	7	0.000	0.000	1.000
	15	NZS1170.5D	5.0%	7	0.000	0.000	1.000
	16	NZS1170.5D	5.0%	7	0.000	0.000	1.000
	17	NZS1170.5D	5.0%	7	0.000	0.000	1.000
	18	NZS1170.5D	5.0%	7	0.000	0.000	1.000
	19	NZS1170.5D	5.0%	7	0.000	0.000	1.000

Spectral Curve	Damping Factor	Description
NZS1170.5D	5.0%	NZS1170.5, Site Subsoil Class D, Deep or soft soil

NODE DISPLACEMENTS (mm,rad)

Load case 1 (Linear): Self Weight

Node	X-Axis Transl'n	Y-Axis Transl'n	Z-Axis Transl'n	X-Axis Rotation	Y-Axis Rotation	Z-Axis Rotation
1	0.000	0.000	0.000	0.000	0.000	0.000
2	0.006	-0.002	0.000	0.000	0.000	0.000
3	0.001	0.004	0.055	0.000	0.000	0.000
4	0.011	-0.011	-0.007	0.000	0.000	0.000
5	0.011	-0.010	-0.022	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000
7	-0.005	-0.003	0.000	0.000	0.000	0.000
8	-0.010	-0.011	0.038	0.000	0.000	0.000
9	-0.009	-0.010	0.070	0.000	0.000	0.000
10	-0.004	-0.034	0.030	0.000	0.000	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000
12	-0.001	-0.002	0.000	0.000	0.000	0.000
13	0.001	-0.002	0.000	0.000	0.000	0.000
14	-0.015	-0.003	0.000	0.000	0.000	0.000
15	-0.082	-0.003	0.000	0.000	0.000	0.000
16	-0.126	0.061	0.064	0.000	0.000	0.000
17	0.018	-0.154	-0.022	0.000	0.000	0.000
18	0.002	-0.132	0.055	0.000	0.000	0.000
19	0.000	0.000	0.000	0.000	0.000	0.000
20	0.014	-0.003	0.000	0.000	0.000	0.000
21	0.086	-0.003	0.000	0.000	0.000	0.000
22	0.133	0.066	-0.019	0.000	0.000	0.000
23	0.018	-0.106	0.070	0.000	0.000	0.000
24	0.018	-0.133	0.036	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000
26	-0.029	-0.003	0.000	0.000	0.000	0.000
27	-0.116	-0.003	0.000	0.000	0.000	0.000
28	-0.172	0.080	0.089	0.000	0.000	0.000
29	0.038	-0.234	-0.022	0.000	0.000	0.000
30	0.007	-0.192	0.055	0.000	0.000	0.000
31	0.000	0.000	0.000	0.000	0.000	0.000
32	0.028	-0.003	0.000	0.000	0.000	0.000
33	0.132	-0.003	0.000	0.000	0.000	0.000
34	0.199	0.096	-0.045	0.000	0.000	0.000
35	0.038	-0.145	0.070	0.000	0.000	0.000
36	0.038	-0.192	0.078	0.000	0.000	0.000
37	0.000	0.000	0.000	0.000	0.000	0.000
38	-0.039	-0.003	0.000	0.000	0.000	0.000
39	-0.104	-0.004	0.000	0.000	0.000	0.000
40	-0.145	0.058	0.078	0.000	0.000	0.000
41	0.060	-0.249	-0.022	0.000	0.000	0.000
42	0.023	-0.197	0.055	0.000	0.000	0.000
43	0.000	0.000	0.000	0.000	0.000	0.000
44	0.039	-0.003	0.000	0.000	0.000	0.000
45	0.151	-0.004	0.000	0.000	0.000	0.000
46	0.224	0.105	-0.046	0.000	0.000	0.000
47	0.060	-0.139	0.070	0.000	0.000	0.000
48	0.060	-0.197	0.090	0.000	0.000	0.000
49	0.000	0.000	0.000	0.000	0.000	0.000
50	-0.043	-0.003	0.000	0.000	0.000	0.000
51	-0.067	-0.003	0.000	0.000	0.000	0.000
52	-0.080	0.017	0.017	0.000	0.000	0.000
53	0.082	-0.226	-0.022	0.000	0.000	0.000
54	0.047	-0.177	0.055	0.000	0.000	0.000
55	0.000	0.000	0.000	0.000	0.000	0.000
56	0.043	-0.003	0.000	0.000	0.000	0.000
57	0.162	-0.003	0.000	0.000	0.000	0.000
58	0.240	0.112	-0.046	0.000	0.000	0.000
59	0.082	-0.123	0.070	0.000	0.000	0.000
60	0.082	-0.178	0.089	0.000	0.000	0.000
61	0.000	0.000	0.000	0.000	0.000	0.000
62	-0.043	-0.001	0.000	0.000	0.000	0.000
63	-0.067	-0.002	0.000	0.000	0.000	0.000
64	-0.081	0.019	0.033	0.000	0.000	0.000
65	0.077	-0.217	-0.022	0.000	0.000	0.000
66	0.047	-0.176	0.055	0.000	0.000	0.000
67	0.000	0.000	0.000	0.000	0.000	0.000
68	0.044	-0.001	0.000	0.000	0.000	0.000
69	0.161	-0.002	0.000	0.000	0.000	0.000
70	0.238	0.112	-0.047	0.000	0.000	0.000
71	0.077	-0.129	0.070	0.000	0.000	0.000
72	0.077	-0.176	0.079	0.000	0.000	0.000
73	0.000	0.000	0.000	0.000	0.000	0.000
74	-0.046	-0.003	0.000	0.000	0.000	0.000
75	-0.087	-0.003	0.000	0.000	0.000	0.000
76	-0.112	0.035	0.064	0.000	0.000	0.000
77	0.057	-0.217	-0.022	0.000	0.000	0.000
78	0.033	-0.185	0.054	0.000	0.000	0.000
79	0.000	0.000	0.000	0.000	0.000	0.000
80	0.048	-0.003	0.000	0.000	0.000	0.000
81	0.154	-0.003	0.000	0.000	0.000	0.000
82	0.222	0.099	-0.046	0.000	0.000	0.000
83	0.056	-0.148	0.070	0.000	0.000	0.000
84	0.057	-0.186	0.076	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000
86	-0.048	-0.003	0.000	0.000	0.000	0.000
87	-0.107	-0.003	0.000	0.000	0.000	0.000
88	-0.144	0.052	0.071	0.000	0.000	0.000
89	0.034	-0.214	-0.022	0.000	0.000	0.000
90	0.019	-0.194	0.054	0.000	0.000	0.000
91	0.000	0.000	0.000	0.000	0.000	0.000
92	0.050	-0.003	0.000	0.000	0.000	0.000
93	0.144	-0.003	0.000	0.000	0.000	0.000
94	0.205	0.087	-0.046	0.000	0.000	0.000
95	0.034	-0.168	0.070	0.000	0.000	0.000
96	0.034	-0.194	0.080	0.000	0.000	0.000
97	0.000	0.000	0.000	0.000	0.000	0.000
98	-0.047	-0.003	0.000	0.000	0.000	0.000

Node	X-Axis Transl'n	Y-Axis Transl'n	Z-Axis Transl'n	X-Axis Rotation	Y-Axis Rotation	Z-Axis Rotation
99	-0.117	-0.003	0.000	0.000	0.000	0.000
100	-0.162	0.064	0.072	0.000	0.000	0.000
101	0.019	-0.206	-0.022	0.000	0.000	0.000
102	0.010	-0.195	0.054	0.000	0.000	0.000
103	0.000	0.000	0.000	0.000	0.000	0.000
104	0.050	-0.003	0.000	0.000	0.000	0.000
105	0.137	-0.003	0.000	0.000	0.000	0.000
106	0.193	0.081	-0.047	0.000	0.000	0.000
107	0.019	-0.179	0.070	0.000	0.000	0.000
108	0.019	-0.196	0.083	0.000	0.000	0.000
109	0.000	0.000	0.000	0.000	0.000	0.000
110	-0.046	-0.001	0.000	0.000	0.000	0.000
111	-0.122	-0.001	0.000	0.000	0.000	0.000
112	-0.171	0.071	0.073	0.000	0.000	0.000
113	0.010	-0.199	-0.023	0.000	0.000	0.000
114	0.005	-0.194	0.054	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000
116	0.048	-0.001	0.000	0.000	0.000	0.000
117	0.132	-0.001	0.000	0.000	0.000	0.000
118	0.186	0.079	-0.047	0.000	0.000	0.000
119	0.010	-0.184	0.070	0.000	0.000	0.000
120	0.010	-0.195	0.083	0.000	0.000	0.000
121	0.000	0.000	0.000	0.000	0.000	0.000
122	-0.048	-0.003	0.000	0.000	0.000	0.000
123	-0.125	-0.003	0.000	0.000	0.000	0.000
124	-0.175	0.071	0.073	0.000	0.000	0.000
125	0.004	-0.196	-0.023	0.000	0.000	0.000
126	0.001	-0.195	0.054	0.000	0.000	0.000
127	0.000	0.000	0.000	0.000	0.000	0.000
128	0.049	-0.003	0.000	0.000	0.000	0.000
129	0.128	-0.003	0.000	0.000	0.000	0.000
130	0.179	0.073	-0.045	0.000	0.000	0.000
131	0.004	-0.188	0.070	0.000	0.000	0.000
132	0.004	-0.195	0.082	0.000	0.000	0.000
133	0.000	0.000	0.000	0.000	0.000	0.000
134	-0.049	-0.003	0.000	0.000	0.000	0.000
135	-0.127	-0.003	0.000	0.000	0.000	0.000
136	-0.178	0.072	0.072	0.000	0.000	0.000
137	0.001	-0.194	-0.023	0.000	0.000	0.000
138	-0.001	-0.195	0.054	0.000	0.000	0.000
139	0.000	0.000	0.000	0.000	0.000	0.000
140	0.049	-0.003	0.000	0.000	0.000	0.000
141	0.126	-0.003	0.000	0.000	0.000	0.000
142	0.175	0.069	-0.045	0.000	0.000	0.000
143	0.001	-0.190	0.070	0.000	0.000	0.000
144	0.001	-0.195	0.082	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000
146	-0.046	-0.003	0.000	0.000	0.000	0.000
147	-0.127	-0.003	0.000	0.000	0.000	0.000
148	-0.179	0.075	0.072	0.000	0.000	0.000
149	-0.001	-0.191	-0.023	0.000	0.000	0.000
150	-0.002	-0.193	0.054	0.000	0.000	0.000
151	0.000	0.000	0.000	0.000	0.000	0.000
152	0.047	-0.003	0.000	0.000	0.000	0.000
153	0.123	-0.003	0.000	0.000	0.000	0.000
154	0.173	0.071	-0.046	0.000	0.000	0.000
155	-0.001	-0.189	0.070	0.000	0.000	0.000
156	-0.001	-0.193	0.083	0.000	0.000	0.000
157	0.000	0.000	0.000	0.000	0.000	0.000
158	-0.043	-0.001	0.000	0.000	0.000	0.000
159	-0.126	-0.002	0.000	0.000	0.000	0.000
160	-0.180	0.078	0.073	0.000	0.000	0.000
161	-0.002	-0.187	-0.023	0.000	0.000	0.000
162	-0.002	-0.190	0.053	0.000	0.000	0.000
163	0.000	0.000	0.000	0.000	0.000	0.000
164	0.043	-0.001	0.000	0.000	0.000	0.000
165	0.122	-0.002	0.000	0.000	0.000	0.000
166	0.172	0.074	-0.046	0.000	0.000	0.000
167	-0.002	-0.187	0.070	0.000	0.000	0.000
168	-0.002	-0.190	0.083	0.000	0.000	0.000
169	0.000	0.000	0.000	0.000	0.000	0.000
170	-0.041	-0.003	0.000	0.000	0.000	0.000
171	-0.126	-0.003	0.000	0.000	0.000	0.000
172	-0.181	0.078	0.073	0.000	0.000	0.000
173	-0.005	-0.184	-0.023	0.000	0.000	0.000
174	-0.004	-0.189	0.053	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000
176	0.041	-0.003	0.000	0.000	0.000	0.000
177	0.118	-0.003	0.000	0.000	0.000	0.000
178	0.168	0.070	-0.046	0.000	0.000	0.000
179	-0.005	-0.188	0.070	0.000	0.000	0.000
180	-0.005	-0.189	0.082	0.000	0.000	0.000
181	0.000	0.000	0.000	0.000	0.000	0.000
182	-0.037	-0.003	0.000	0.000	0.000	0.000
183	-0.126	-0.004	0.000	0.000	0.000	0.000
184	-0.184	0.082	0.073	0.000	0.000	0.000
185	-0.010	-0.177	-0.023	0.000	0.000	0.000
186	-0.006	-0.186	0.053	0.000	0.000	0.000
187	0.000	0.000	0.000	0.000	0.000	0.000
188	0.037	-0.003	0.000	0.000	0.000	0.000
189	0.113	-0.004	0.000	0.000	0.000	0.000
190	0.163	0.069	-0.047	0.000	0.000	0.000
191	-0.010	-0.189	0.070	0.000	0.000	0.000
192	-0.010	-0.186	0.083	0.000	0.000	0.000
193	0.000	0.000	0.000	0.000	0.000	0.000
194	-0.028	-0.003	0.000	0.000	0.000	0.000
195	-0.121	-0.003	0.000	0.000	0.000	0.000
196	-0.181	0.086	0.070	0.000	0.000	0.000
197	-0.016	-0.160	-0.023	0.000	0.000	0.000
198	-0.010	-0.172	0.053	0.000	0.000	0.000
199	0.000	0.000	0.000	0.000	0.000	0.000
200	0.027	-0.003	0.000	0.000	0.000	0.000
201	0.101	-0.003	0.000	0.000	0.000	0.000
202	0.148	0.067	-0.044	0.000	0.000	0.000
203	-0.016	-0.179	0.070	0.000	0.000	0.000
204	-0.016	-0.172	0.090	0.000	0.000	0.000
205	0.000	0.000	0.000	0.000	0.000	0.000
206	-0.014	-0.003	0.000	0.000	0.000	0.000
207	-0.085	-0.003	0.000	0.000	0.000	0.000
208	-0.132	0.066	0.042	0.000	0.000	0.000
209	-0.014	-0.110	-0.022	0.000	0.000	0.000
210	-0.010	-0.119	0.053	0.000	0.000	0.000
211	0.000	0.000	0.000	0.000	0.000	0.000
212	0.013	-0.003	0.000	0.000	0.000	0.000
213	0.065	-0.003	0.000	0.000	0.000	0.000
214	0.099	0.046	-0.022	0.000	0.000	0.000
215	-0.015	-0.124	0.070	0.000	0.000	0.000
216	-0.015	-0.119	0.096	0.000	0.000	0.000
217	0.000	0.000	0.000	0.000	0.000	0.000
218	-0.001	-0.002	0.000	0.000	0.000	0.000
219	0.006	-0.003	0.000	0.000	0.000	0.000
220	0.011	-0.011	-0.029	0.000	0.000	0.000
221	0.010	-0.010	-0.022	0.000	0.000	0.000
222	0.000	0.003	0.053	0.000	0.000	0.000
223	0.000	0.000	0.000	0.000	0.000	0.000
224	0.001	-0.002	0.000	0.000	0.000	0.000
225	-0.006	-0.003	0.000	0.000	0.000	0.000
226	-0.010	-0.011	0.035	0.000	0.000	0.000
227	-0.010	-0.010	0.070	0.000	0.000	0.000
228	0.000	-0.055	-0.008	0.000	0.000	0.000
229	0.001	-0.001	0.006	0.000	0.000	0.000
230	-0.001	-0.001	0.006	0.000	0.000	0.000
231	0.000	0.000	0.000	0.000	0.000	0.000
232	0.000	0.000	0.000	0.000	0.000	0.000
233	-0.004	-0.002	0.063	0.000	0.000	0.000
234	0.005	-0.002	0.004	0.000	0.000	0.000
235	-0.004	-0.002	0.052	0.000	0.000	0.000
236	-0.004	-0.002	0.006	0.000	0.000	0.000
237	-0.007	-0.010	0.020	0.000	0.000	0.000
238	-0.004	-0.010	0.013	0.000	0.000	0.000
239	0.001	-0.010	0.006	0.000	0.000	0.000
240	0.001	-0.009	0.007	0.000	0.000	0.000
241	0.002	-0.011	0.001	0.000	0.000	0.000
242	0.006	-0.010	-0.072	0.000	0.000	0.000
243	-0.001	-0.010	0.006	0.000	0.000	0.000
244	-0.001	-0.009	0.007	0.000	0.000	0.000
245	0.000	-0.002	-0.114	0.000	0.000	0.000
246	0.001	-0.010	-0.006	0.000	0.000	0.000
247	0.000	-0.002	0.097	0.000	0.000	0.000
248	-0.001	-0.001	-0.006	0.000	0.000	0.000
249	-0.001	-0.009	-0.007	0.000	0.000	0.000
250	0.000	0.000	0.000	0.000	0.000	0.000
251	0.001	-0.001	-0.006	0.000	0.000	0.000
252	0.000	0.000	0.000	0.000	0.000	0.000
253	-0.002	-0.011	0.011	0.000	0.000	0.000
254	-0.042	-0.002	-0.114	0.000	0.000	0.000
255	0.001	-0.010	0.103	0.000	0.000	0.000
256	0.042	-0.002	0.096	0.000	0.000	0.000
257	0.001	-0.009	-0.007	0.000	0.000	0.000
258	0.008	-0.011	-0.017	0.000	0.000	0.000
259	-0.004	-0.010	0.012	0.000	0.000	0.000
260	-0.001	-0.010	-0.006	0.000	0.000	0.000
261	0.181	0.069	-0.032	0.000	0.000	0.000
262	-0.012	-0.151	0.085	0.000	0.000	0.000
263	0.052	-0.205	-0.019	0.000	0.000	0.000
264	-0.144	0.037	0.081	0.000	0.000	-0.001
265	0.019	-0.160	-0.028	0.000	0.000	0.000
266	-0.162	0.057	0.064	0.000	0.000	0.000
267	-0.037	-0.157	0.070	0.000	0.000	0.000
268	0.126	0.033	-0.027	0.000	0.000	0.000
269	0.080	-0.297	-0.021	0.000	0.000	0.000
270	0.038	-0.216	-0.013	0.000	0.000	-0.001
271	-0.051	-0.027	0.011	0.000	0.000	-0.001
272	-0.079	0.016	0.012	0.000	0.000	0.000
273	0.048	-0.200	0.000	0.000	0.000	0.000
274	0.013	-0.153	0.019	0.000	0.000	0.000
275	0.020	-0.215	-0.023	0.000	0.000	0.000
276	-0.032	-0.145	-0.015	0.000	0.000	-0.001
277	-0.158	0.044	0.066	0.000	0.000	0.000
278	-0.169	0.061	0.042	0.000	0.000	0.000
279	-0.033	-0.153	0.077	0.000	0.000	0.000
280	-0.045	-0.223	0.074	0.000	0.000	0.000
281	0.009	-0.160	0.064	0.000	0.000	0.000
282	0.144	0.035	-0.030	0.000	0.000	0.001
283	0.162	0.059	-0.029	0.000	0.000	0.000
284	0.034	-0.002	-0.079	0.000	0.000	0.000
285	-0.002	-0.011	0.010	0.000	0.000	0.000
286	0.000	-0.002	0.000	0.000	0.000	0.000
287	0.006	-0.010	0.024	0.000	0.000	0.000
288	0.007	-0.011	-0.016	0.000	0.000	0.000
289	-0.001	-0.010	0.000	0.000	0.000	0.000
290	-0.006	-0.010	0.019	0.000	0.000	0.000
291	-0.002	-0.009	0.005	0.000	0.000	0.000
292	0.002	-0.011	0.001	0.000	0.000	0.000
293	-0.004	-0.010	-0.016	0.000	0.000	0.000
294	0.000	-0.001	0.000	0.000	0.000	0.000
295	0.000	-0.001	0.000	0.000	0.000	0.000
296	0.000	-0.002	0.000	0.000	0.000	0.000
297	0.000	-0.002	0.000	0.000	0.000	0.000
298	0.000	-0.001	0.000	0.000	0.000	0.000
299	0.000	-0.001	0.000	0.000	0.000	0.000
300	0.000	-0.002	0.000	0.000	0.000	0.000
301	-0.003	-0.001	0.000	0.000	0.000	0.000
302	0.003	-0.001	0.000	0.000	0.000	0.000
303	-0.012	-0.002	0.000	0.000	0.000	0.000
304	0.011	-0.002	0.000	0.000	0.000	0.000
305	-0.023	-0.002	0.001	0.000	0.000	0.000
306	0.023	-0.002	0.001	0.000	0.000	0.000
307	-0.034	-0.002	0.001	0.000	0.000	0.000
308	0.034	-0.002	0.001	0.000	0.000	0.000
309	-0.033	-0.002	-0.001	0.000	0.000	0.000
310	0.033	-0.002	-0.001	0.000	0.000	0.000
311	-0.022	-0.002	-0.001	0.000	0.000	0.000
312	0.022	-0.002	-0.001	0.000	0.000	0.000
313	-0.011	-0.002	0.000	0.000	0.000	0.000
314	0.011	-0.002	0.000	0.000	0.000	0.000
315	-0.003	-0.001	0.000	0.000	0.000	0.000
316	0.003	-0.001	0.000	0.000	0.000	0.000

Load case 2 (Linear): Seism on X direction

Node	X-Axis Transl'n	Y-Axis Transl'n	Z-Axis Transl'n	X-Axis Rotation	Y-Axis Rotation	Z-Axis Rotation
1	0.000	0.000	0.000	0.000	0.000	0.000
2	0.292	0.038	0.022	0.000	0.004	-0.001
3	0.395	0.106	-5.245	0.000	0.004	0.001
4	0.407	-0.071	-1.192	-0.001	0.002	0.000
5	0.428	-0.040	-2.769	0.004	0.008	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000
7	0.234	-0.033	-0.057	0.001	0.003	0.001
8	0.317	0.057	-2.326	-0.003	-0.006	-0.001
9	0.320	0.031	-4.690	-0.005	0.007	0.002
10	0.311	-0.074	-3.692	-0.003	0.001	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000
12	0.117	0.003	0.005	0.000	0.001	0.000
13	0.109	-0.003	-0.009	0.000	0.001	0.000
14	0.636	0.005	0.005	0.000	0.001	-0.001
15	2.873	0.007	0.016	0.000	0.005	-0.005
16	4.384	-2.225	-1.954	0.001	0.004	-0.004
17	4.362	-2.178	-2.769	0.005	0.006	0.001
18	2.845	0.087	-5.226	0.000	0.004	0.003
19	0.000	0.000	0.000	0.000	0.000	0.000
20	0.645	-0.001	-0.008	0.000	0.001	-0.001
21	2.751	-0.002	-0.061	0.000	0.004	-0.002
22	4.177	2.101	-2.379	0.002	-0.011	-0.004
23	4.366	2.369	-4.691	-0.003	0.005	0.003
24	4.365	0.086	-4.106	-0.003	-0.001	0.003
25	0.000	0.000	0.000	0.000	0.000	0.000
26	1.217	0.001	0.004	0.000	0.001	-0.001

Node	X-Axis Transl'n	Y-Axis Transl'n	Z-Axis Transl'n	X-Axis Rotation	Y-Axis Rotation	Z-Axis Rotation
27	4.437	0.002	0.010	0.000	0.002	-0.006
28	6.610	-3.213	-1.673	0.002	0.006	-0.007
29	7.208	-4.091	-2.770	0.004	0.004	0.003
30	4.607	-0.220	-5.209	0.000	0.003	0.005
31	0.000	0.000	0.000	0.000	0.000	0.000
32	1.246	-0.001	-0.007	0.000	0.001	-0.001
33	4.726	-0.001	-0.064	0.000	0.003	-0.005
34	7.070	3.466	-2.664	0.003	-0.011	-0.007
35	7.211	3.663	-4.690	-0.002	0.003	0.004
36	7.210	-0.221	-4.074	-0.003	0.000	0.005
37	0.000	0.000	0.000	0.000	0.000	0.000
38	1.642	0.000	0.004	0.000	0.001	-0.002
39	5.350	-0.003	0.005	0.000	0.002	-0.007
40	7.845	-3.701	-0.921	0.003	0.005	-0.008
41	9.173	-5.665	-2.772	0.001	0.005	0.002
42	5.737	-0.553	-5.194	0.000	0.003	0.006
43	0.000	0.000	0.000	0.000	0.000	0.000
44	1.676	-0.002	-0.006	0.000	0.001	-0.002
45	6.079	-0.002	-0.066	0.000	0.002	-0.007
46	9.043	4.384	-2.780	0.004	-0.012	-0.008
47	9.182	4.576	-4.689	-0.002	0.003	0.005
48	9.178	-0.554	-4.159	-0.003	0.000	0.007
49	0.000	0.000	0.000	0.000	0.000	0.000
50	1.857	0.001	0.004	0.000	0.000	-0.002
51	6.949	0.002	-0.001	0.000	0.003	-0.010
52	10.381	-5.075	-1.041	0.004	0.006	-0.010
53	11.308	-6.431	-2.789	0.002	0.004	0.005
54	7.150	-0.252	-5.180	-0.001	0.003	0.008
55	0.000	0.000	0.000	0.000	0.000	0.000
56	1.879	-0.002	-0.005	0.000	0.000	-0.002
57	7.286	-0.002	-0.066	0.000	0.002	-0.009
58	10.930	5.388	-2.843	0.005	-0.012	-0.011
59	11.309	5.934	-4.687	-0.002	0.003	0.006
60	11.309	-0.252	-3.931	-0.003	0.000	0.008
61	0.000	0.000	0.000	0.000	0.000	0.000
62	1.970	0.001	0.003	0.000	0.000	-0.003
63	8.217	0.000	-0.007	0.000	0.002	-0.013
64	12.420	-6.221	-1.443	0.006	0.010	-0.012
65	12.998	-7.057	-2.807	0.001	0.003	0.006
66	8.250	-0.003	-5.168	-0.001	0.002	0.009
67	0.000	0.000	0.000	0.000	0.000	0.000
68	1.972	-0.001	-0.004	0.000	0.000	-0.003
69	8.220	-0.001	-0.066	0.000	0.001	-0.011
70	12.429	6.228	-2.885	0.005	-0.013	-0.012
71	13.000	7.056	-4.685	-0.002	0.002	0.007
72	12.999	-0.003	-4.035	-0.003	0.001	0.009
73	0.000	0.000	0.000	0.000	0.000	0.000
74	2.165	0.002	0.003	0.000	0.000	-0.003
75	9.140	0.002	-0.015	0.000	0.002	-0.014
76	13.833	-6.946	-2.193	0.006	0.010	-0.013
77	14.169	-7.427	-2.824	0.001	0.002	0.007
78	9.054	0.169	-5.156	-0.001	0.002	0.009
79	0.000	0.000	0.000	0.000	0.000	0.000
80	2.149	-0.001	-0.003	0.000	0.000	-0.003
81	8.907	-0.002	-0.065	0.000	0.001	-0.012
82	13.461	6.737	-2.899	0.005	-0.013	-0.013
83	14.169	7.767	-4.683	-0.001	0.002	0.007
84	14.169	0.169	-4.076	-0.003	0.001	0.009
85	0.000	0.000	0.000	0.000	0.000	0.000
86	2.302	0.002	0.002	0.000	0.000	-0.003
87	9.485	0.002	-0.019	0.000	0.001	-0.014
88	14.320	-7.155	-2.121	0.006	0.010	-0.014
89	14.744	-7.765	-2.840	0.001	0.001	0.008
90	9.420	0.143	-5.146	-0.001	0.001	0.010
91	0.000	0.000	0.000	0.000	0.000	0.000
92	2.276	-0.002	-0.002	0.000	0.000	-0.003
93	9.290	-0.002	-0.063	0.000	0.000	-0.013
94	14.016	6.991	-2.931	0.006	-0.013	-0.014
95	14.745	8.053	-4.679	0.000	0.001	0.007
96	14.745	0.143	-4.139	-0.003	0.001	0.010
97	0.000	0.000	0.000	0.000	0.000	0.000
98	2.289	0.002	0.002	0.000	0.000	-0.003
99	9.592	0.002	-0.024	0.000	0.000	-0.014
100	14.511	-7.278	-2.097	0.006	0.010	-0.014
101	14.997	-7.980	-2.855	0.000	0.001	0.008
102	9.557	0.100	-5.137	-0.001	0.001	0.010
103	0.000	0.000	0.000	0.000	0.000	0.000
104	2.260	-0.002	-0.002	0.000	0.000	-0.003
105	9.456	-0.002	-0.060	0.000	0.000	-0.013
106	14.305	7.173	-2.978	0.006	-0.013	-0.014
107	14.998	8.182	-4.676	0.000	0.001	0.008
108	14.998	0.099	-4.121	-0.003	0.002	0.010
109	0.000	0.000	0.000	0.000	0.000	0.000
110	2.231	0.001	0.001	0.000	0.000	-0.003
111	9.626	0.001	-0.027	0.000	0.000	-0.014
112	14.605	-7.369	-2.125	0.006	0.010	-0.014
113	15.084	-8.060	-2.869	0.000	0.000	0.008
114	9.600	0.084	-5.129	-0.001	0.001	0.010
115	0.000	0.000	0.000	0.000	0.000	0.000
116	2.203	-0.001	-0.001	0.000	0.000	-0.003
117	9.510	-0.001	-0.057	0.000	0.000	-0.014
118	14.432	7.283	-3.005	0.006	-0.013	-0.014
119	15.085	8.232	-4.672	0.000	0.000	0.008
120	15.085	0.084	-4.109	-0.003	0.002	0.010
121	0.000	0.000	0.000	0.000	0.000	0.000
122	2.301	0.002	0.001	0.000	0.000	-0.003
123	9.633	0.002	-0.031	0.000	0.000	-0.014
124	14.571	-7.306	-2.114	0.006	0.010	-0.014
125	15.063	-8.016	-2.881	0.000	0.000	0.008
126	9.609	0.084	-5.122	-0.001	0.001	0.010
127	0.000	0.000	0.000	0.000	0.000	0.000
128	2.275	-0.002	0.000	0.000	0.000	-0.003
129	9.518	-0.002	-0.054	0.000	0.000	-0.013
130	14.398	7.219	-2.979	0.006	-0.013	-0.014
131	15.064	8.187	-4.668	0.000	0.000	0.008
132	15.064	0.084	-4.110	-0.003	0.002	0.010
133	0.000	0.000	0.000	0.000	0.000	0.000
134	2.330	0.002	0.000	0.000	0.000	-0.003
135	9.565	0.002	-0.034	0.000	0.000	-0.014
136	14.438	-7.210	-2.087	0.006	0.010	-0.014
137	14.927	-7.915	-2.891	0.000	0.000	0.008
138	9.541	0.084	-5.117	-0.001	0.000	0.010
139	0.000	0.000	0.000	0.000	0.000	0.000
140	2.306	-0.002	0.000	0.000	0.000	-0.003
141	9.451	-0.002	-0.049	0.000	-0.001	-0.013
142	14.264	7.120	-2.971	0.006	-0.013	-0.014
143	14.928	8.086	-4.664	0.000	0.000	0.008
144	14.928	0.084	-4.120	-0.003	0.002	0.010
145	0.000	0.000	0.000	0.000	0.000	0.000
146	2.212	0.002	0.000	0.000	0.000	-0.003
147	9.360	0.002	-0.037	0.000	0.000	-0.014
148	14.175	-7.123	-2.076	0.006	0.010	-0.014
149	14.629	-7.778	-2.900	-0.001	0.000	0.008
150	9.339	0.078	-5.112	-0.001	0.000	0.009
151	0.000	0.000	0.000	0.000	0.000	0.000
152	2.192	-0.002	0.001	0.000	0.000	-0.003
153	9.254	-0.002	-0.044	0.000	-0.001	-0.013
154	14.011	7.038	-2.988	0.006	-0.012	-0.014
155	14.630	7.936	-4.659	0.000	0.000	0.008
156	14.630	0.078	-4.130	-0.002	0.002	0.010
157	0.000	0.000	0.000	0.000	0.000	0.000
158	2.039	0.001	-0.001	0.000	0.000	-0.003
159	9.003	0.001	-0.039	0.000	0.000	-0.013
160	13.694	-6.941	-2.073	0.006	0.011	-0.013
161	14.084	-7.501	-2.908	-0.001	-0.001	0.008
162	8.987	0.070	-5.109	-0.001	0.000	0.009
163	0.000	0.000	0.000	0.000	0.000	0.000
164	2.023	-0.001	0.001	0.000	0.000	-0.003
165	8.907	-0.001	-0.039	0.000	-0.001	-0.013
166	13.543	6.860	-2.994	0.005	-0.012	-0.013
167	14.085	7.645	-4.655	0.001	-0.001	0.007
168	14.085	0.070	-4.134	-0.002	0.002	0.009
169	0.000	0.000	0.000	0.000	0.000	0.000
170	1.948	0.002	-0.002	0.000	0.000	-0.003
171	8.449	0.002	-0.041	0.000	-0.001	-0.012
172	12.828	-6.478	-2.014	0.006	0.010	-0.013
173	13.145	-6.931	-2.915	-0.002	-0.002	0.008
174	8.434	0.070	-5.107	-0.001	-0.001	0.008
175	0.000	0.000	0.000	0.000	0.000	0.000
176	1.937	-0.002	0.002	0.000	0.000	-0.003
177	8.354	-0.002	-0.033	0.000	-0.002	-0.012
178	12.676	6.394	-2.962	0.005	-0.012	-0.012
179	13.146	7.074	-4.650	0.001	-0.002	0.007
180	13.146	0.070	-4.147	-0.002	0.002	0.008
181	0.000	0.000	0.000	0.000	0.000	0.000
182	1.741	0.002	-0.003	0.000	-0.001	-0.002
183	7.527	0.002	-0.043	0.000	-0.002	-0.011
184	11.425	-5.765	-1.927	0.005	0.010	-0.011
185	11.562	-5.951	-2.919	-0.003	-0.003	0.008
186	7.509	0.074	-5.105	-0.001	-0.001	0.007
187	0.000	0.000	0.000	0.000	0.000	0.000
188	1.735	-0.002	0.002	0.000	-0.001	-0.002
189	7.428	-0.002	-0.027	0.000	-0.003	-0.011
190	11.261	5.671	-2.957	0.004	-0.011	-0.011
191	11.563	6.101	-4.646	0.002	-0.003	0.006
192	11.562	0.074	-4.175	-0.002	0.003	0.007
193	0.000	0.000	0.000	0.000	0.000	0.000
194	1.294	0.001	-0.003	0.000	-0.001	-0.002
195	5.981	0.002	-0.043	-0.001	-0.003	-0.008
196	9.138	-4.669	-1.805	0.005	0.010	-0.009
197	8.999	-4.449	-2.923	-0.005	-0.005	0.008
198	5.968	0.065	-5.105	-0.001	-0.003	0.005
199	0.000	0.000	0.000	0.000	0.000	0.000
200	1.292	-0.003	0.002	0.000	-0.001	-0.001
201	5.894	-0.002	-0.020	0.000	-0.004	-0.009
202	8.990	4.580	-2.936	0.003	-0.009	-0.009
203	9.000	4.581	-4.642	0.003	-0.005	0.005
204	9.000	0.065	-4.247	-0.002	0.004	0.005
205	0.000	0.000	0.000	0.000	0.000	0.000
206	0.669	0.002	-0.004	0.000	-0.001	-0.001
207	3.447	0.006	-0.043	-0.001	-0.006	-0.004
208	5.331	-2.774	-1.340	0.004	0.009	-0.006
209	5.136	-2.471	-2.925	-0.006	-0.006	0.006
210	3.493	-0.014	-5.105	-0.001	-0.005	0.003
211	0.000	0.000	0.000	0.000	0.000	0.000
212	0.669	-0.005	0.003	0.000	-0.001	-0.001
213	3.471	-0.005	-0.013	0.000	-0.006	-0.006
214	5.360	2.786	-2.873	0.001	-0.006	-0.005
215	5.138	2.444	-4.639	0.004	-0.007	0.004
216	5.137	-0.013	-4.295	-0.001	0.004	0.002
217	0.000	0.000	0.000	0.000	0.000	0.000
218	0.111	0.003	-0.005	0.000	-0.001	0.000
219	0.233	0.028	-0.041	-0.001	-0.004	0.000
220	0.313	-0.061	-1.258	-0.002	0.004	-0.001
221	0.313	-0.032	-2.925	-0.007	-0.007	0.002
222	0.309	0.007	-5.105	-0.002	-0.003	0.000
223	0.000	0.000	0.000	0.000	0.000	0.000
224	0.111	-0.002	0.004	0.000	-0.001	0.000
225	0.222	-0.017	-0.007	-0.001	-0.005	-0.002
226	0.296	0.060	-2.221	-0.002	-0.003	0.000
227	0.301	0.035	-4.638	0.004	-0.009	-0.001
228	0.075	0.000	-0.022	0.000	0.001	0.000
229	0.095	0.008	0.240	0.000	0.000	0.000
230	0.103	-0.009	-0.237	0.000	0.000	0.000
231	0.000	0.000	0.000	0.000	0.000	0.000
232	0.000	0.000	0.000	0.000	0.000	0.000
233	0.316	0.007	-5.065	-0.004	0.000	-0.001
234	0.438	-0.009	-4.007	-0.002	0.001	0.000
235	0.310	0.007	-4.065	-0.004	0.001	0.000
236	0.311	-0.009	-3.344	-0.003	0.001	0.000
237	0.122	0.057	-0.748	-0.003	-0.006	0.000
238	0.937	0.029	-2.111	-0.005	0.007	0.000
239	0.104	0.057	0.231	0.000	0.000	0.000
240	0.099	0.027	0.271	0.000	0.000	0.000
241	0.293	-0.070	-0.665	-0.001	0.002	0.000
242	-0.163	-0.038	-3.297	-0.002	0.008	-0.002
243	0.113	-0.070	-0.227	0.000	0.000	0.000
244	0.107	-0.035	-0.266	0.000	0.000	0.000
245	0.075	0.008	-0.277	0.000	0.001	0.000
246	0.107	0.060	-0.247	0.000	0.000	0.000
247	0.075	-0.008	0.233	0.000	0.001	0.000
248	0.097	-0.008	0.254	0.000	0.000	0.000
249	0.101	-0.028	0.286	0.000	0.000	0.000
250	0.000	0.000	0.000	0.000	0.000	0.000
251	0.097	0.008	-0.256	0.000	0.000	0.000
252	0.000	0.000	0.000	0.000	0.000	0.000
253	0.266	0.060	-1.098	-0.003	-0.003	0.000
254	0.070	0.008	-0.282	0.000	0.001	0.000
255	-0.538	0.032	-4.735	-0.003	-0.009	-0.002
256	0.070	-0.008	0.228	0.000	0.001	0.000
257	0.101	0.028	-0.288	0.000	0.000	0.000
258	0.136	-0.060	-0.305	-0.002	0.004	0.000
259	1.165	-0.030	-0.270	-0.004	-0.007	0.001
260	0.107	-0.060	0.245	0.000	0.000	0.000
261	7.470	4.056	-3.610	0.002	-0.008	-0.003
262	3.944	1.736	-4.617	-0.005	0.001	0.003
263	4.019	-1.665	-3.116	0.004	0.004	0.003
264	7.040	-3.848	-2.098	0.003	0.005	-0.004
265	4.387	-1.356	-3.266	-0.008	-0.001	0.003
266	9.639	-5.407	-2.458	0.003	0.006	-0.004
267	4.609	1.655	-4.975	0.005	-0.003	0.003
268	9.463	5.276	-3.584	0.004	-0.007	-0.004
269	6.554	-3.120	-2.879	0.003	0.003	0.005
270	9.196	-5.704	-2.364	0.003	0.007	0.000
271	11.011	-6.005	-1.372	0.002	0.004	-0.006
272	10.807	-3.834	-0.591	0.001	0.004	-0.012
273	3.408	-0.754	-3.791	0.002	0.005	0.003
274	3.900	-0.625	-4.820	-0.006	0.000	0.002
275	7.977	-2.929	-3.239	-0.006	-0.001	0.006
276	11.912	-6.473	-2.962	-0.002	-0.001	0.006

Node	X-Axis Transl'n	Y-Axis Transl'n	Z-Axis Transl'n	X-Axis Rotation	Y-Axis Rotation	Z-Axis Rotation
277	13.566	-7.566	-2.589	0.005	0.007	-0.006
278	11.906	-4.295	-0.929	0.003	0.007	-0.014
279	4.028	0.787	-4.599	0.004	-0.002	0.003
280	8.154	3.320	-4.922	0.003	-0.002	0.005
281	11.849	6.528	-4.530	0.003	-0.003	0.005
282	13.417	7.487	-3.739	0.005	-0.008	-0.006
283	11.761	4.223	-1.456	0.003	-0.009	-0.014
284	0.086	0.008	-0.266	0.000	0.001	0.000
285	0.259	0.060	-1.057	-0.003	-0.003	0.000
286	0.000	0.000	0.000	0.000	0.000	0.000
287	-0.246	0.029	-1.486	-0.008	-0.009	0.002
288	0.134	-0.060	-0.278	-0.002	0.004	0.000
289	0.514	-0.028	0.369	0.000	-0.007	-0.003
290	0.121	0.057	-0.700	-0.003	-0.006	0.000
291	0.384	0.027	-0.135	-0.003	0.007	-0.002
292	0.285	-0.070	-0.643	-0.001	0.002	-0.001
293	-0.106	-0.036	-1.107	-0.006	0.008	0.001
294	0.000	0.000	0.000	0.000	0.000	0.000
295	0.000	0.000	0.000	0.000	0.000	0.000
296	0.000	0.000	0.000	0.000	0.000	0.000
297	0.000	0.000	0.000	0.000	0.000	0.000
298	0.000	0.000	0.000	0.000	0.000	0.000
299	0.000	0.000	0.000	0.000	0.000	0.000
300	0.000	0.000	0.000	0.000	0.000	0.000
301	0.129	0.001	0.000	0.000	0.000	-0.001
302	0.132	0.000	-0.001	0.000	0.000	-0.001
303	0.488	0.000	0.001	0.000	0.000	-0.001
304	0.499	0.000	-0.001	0.000	0.000	-0.001
305	0.980	0.000	0.002	0.000	0.000	-0.002
306	1.000	-0.001	-0.002	0.000	0.000	-0.002
307	1.489	0.001	0.002	0.000	0.000	-0.002
308	1.506	-0.001	-0.003	0.000	0.000	-0.002
309	1.561	0.001	-0.001	0.000	0.000	-0.002
310	1.552	-0.001	0.001	0.000	0.000	-0.002
311	1.038	0.001	0.000	0.000	0.000	-0.002
312	1.035	-0.001	0.000	0.000	0.000	-0.002
313	0.519	0.001	0.000	0.000	0.000	-0.001
314	0.520	-0.001	0.000	0.000	0.000	-0.001
315	0.137	0.000	0.000	0.000	0.000	-0.001
316	0.149	-0.001	0.000	0.000	0.000	-0.001

Load case 3 (Linear): Seism on Z direction

Node	X-Axis Transl'n	Y-Axis Transl'n	Z-Axis Transl'n	X-Axis Rotation	Y-Axis Rotation	Z-Axis Rotation
1	0.000	0.000	0.000	0.000	0.000	0.000
2	0.824	0.323	0.998	0.002	-0.003	-0.001
3	0.862	1.301	17.537	0.003	-0.002	-0.001
4	1.294	-0.097	6.524	0.008	-0.010	0.000
5	1.451	-0.054	13.157	-0.001	-0.009	-0.001
6	0.000	0.000	0.000	0.000	0.000	0.000
7	-0.024	0.023	0.296	0.000	0.001	-0.001
8	-0.038	-0.003	7.057	0.009	0.014	0.001
9	-0.034	-0.003	14.204	0.005	-0.002	-0.004
10	0.854	-0.687	12.926	0.011	0.001	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000
12	0.099	0.024	0.298	0.000	0.000	0.000
13	-0.003	0.004	0.203	0.000	0.000	0.000
14	-0.014	-0.041	0.299	0.000	0.000	0.000
15	-0.629	-0.041	1.096	0.001	-0.004	0.000
16	-1.051	0.582	6.607	0.004	-0.013	0.003
17	-1.890	1.827	13.159	-0.003	-0.007	-0.001
18	-0.679	0.055	17.680	0.003	-0.004	-0.003
19	0.000	0.000	0.000	0.000	0.000	0.000
20	-0.067	-0.014	0.203	0.000	0.000	0.000
21	-0.715	-0.013	0.311	0.000	-0.001	-0.002
22	-1.164	-0.673	6.590	0.001	0.020	0.003
23	-1.903	-1.767	14.206	0.003	-0.002	-0.003
24	-1.897	0.056	14.928	0.006	0.001	-0.002
25	0.000	0.000	0.000	0.000	0.000	0.000
26	-0.220	-0.012	0.293	0.000	0.000	0.000
27	-2.314	-0.014	1.193	0.001	-0.004	0.002
28	-3.738	2.090	6.663	0.003	-0.013	0.006
29	-4.887	3.789	13.162	-0.003	-0.007	-0.003
30	-2.289	-0.053	17.816	0.001	-0.004	-0.005
31	0.000	0.000	0.000	0.000	0.000	0.000
32	-0.136	-0.003	0.202	0.000	0.000	0.000
33	-2.250	-0.001	0.324	0.000	-0.002	0.001
34	-3.689	-2.126	6.633	0.000	0.021	0.007
35	-4.885	-3.895	14.207	0.004	-0.004	-0.004
36	-4.887	-0.051	15.021	0.007	0.002	-0.005
37	0.000	0.000	0.000	0.000	0.000	0.000
38	-0.473	0.002	0.286	0.000	-0.001	0.001
39	-4.335	0.002	1.290	0.001	-0.006	0.006
40	-6.947	3.868	7.048	0.003	-0.014	0.010
41	-8.583	6.288	13.165	-0.005	-0.009	-0.004
42	-4.265	-0.099	17.944	0.002	-0.005	-0.008
43	0.000	0.000	0.000	0.000	0.000	0.000
44	-0.201	0.001	0.199	0.000	0.000	0.000
45	-4.190	0.003	0.334	0.000	-0.003	0.004
46	-6.891	-3.993	6.702	-0.002	0.024	0.011
47	-8.585	-6.497	14.208	0.006	-0.006	-0.006
48	-8.585	-0.097	14.940	0.007	0.002	-0.008
49	0.000	0.000	0.000	0.000	0.000	0.000
50	-0.729	0.006	0.277	0.000	0.000	0.001
51	-7.679	0.004	1.386	0.001	-0.010	0.012
52	-12.381	6.959	8.713	0.002	-0.015	0.015
53	-13.844	9.119	13.172	-0.006	-0.011	-0.005
54	-7.206	-0.707	18.064	0.003	-0.007	-0.012
55	0.000	0.000	0.000	0.000	0.000	0.000
56	-0.254	0.004	0.195	0.000	0.000	0.000
57	-6.718	0.006	0.342	0.000	-0.004	0.009
58	-11.096	-6.468	6.647	-0.004	0.026	0.017
59	-13.836	-10.518	14.208	0.009	-0.009	-0.007
60	-13.842	-0.706	14.600	0.008	0.003	-0.013
61	0.000	0.000	0.000	0.000	0.000	0.000
62	-0.949	-0.010	0.268	0.000	0.000	0.001
63	-13.521	0.009	1.482	0.000	-0.016	0.025
64	-21.889	12.431	9.648	-0.007	-0.023	0.021
65	-20.419	10.236	13.179	0.000	-0.010	-0.012
66	-11.595	-2.850	18.177	0.006	-0.009	-0.016
67	0.000	0.000	0.000	0.000	0.000	0.000
68	-0.293	-0.006	0.190	0.000	0.000	0.001
69	-9.683	-0.003	0.348	0.000	-0.005	0.014
70	-16.035	-9.404	6.431	-0.007	0.028	0.024
71	-20.411	-15.883	14.205	0.011	-0.011	-0.008
72	-20.416	-2.850	14.237	0.008	0.004	-0.017
73	0.000	0.000	0.000	0.000	0.000	0.000
74	-1.105	-0.031	0.271	0.000	0.000	0.002
75	-20.532	-0.060	1.579	0.004	-0.005	0.037
76	-33.303	19.071	14.094	-0.018	-0.039	0.026
77	-25.492	7.611	13.188	0.000	0.001	-0.027
78	-16.175	-6.150	18.280	0.001	-0.001	-0.017
79	0.000	0.000	0.000	0.000	0.000	0.000
80	-0.326	-0.009	0.193	0.000	0.000	0.001
81	-12.009	-0.005	0.352	0.000	0.000	0.020
82	-19.938	-11.718	6.486	-0.007	0.027	0.030
83	-25.415	-19.803	14.201	-0.001	0.001	-0.009
84	-25.454	-6.153	16.461	0.004	-0.001	-0.015
85	0.000	0.000	0.000	0.000	0.000	0.000
86	-1.072	-0.006	0.272	0.000	0.000	0.001
87	-13.581	0.011	1.516	0.003	0.014	0.020
88	-21.923	12.395	8.567	-0.014	-0.036	0.023
89	-20.058	9.623	13.196	0.002	0.008	-0.023
90	-11.801	-2.616	18.375	-0.003	0.007	-0.015
91	0.000	0.000	0.000	0.000	0.000	0.000
92	-0.336	0.000	0.195	0.000	0.000	0.001
93	-10.042	0.002	0.353	0.000	0.006	0.017
94	-16.599	-9.706	6.937	-0.005	0.023	0.023
95	-20.054	-14.820	14.194	-0.012	0.012	-0.011
96	-20.057	-2.617	17.356	0.004	-0.006	-0.014
97	0.000	0.000	0.000	0.000	0.000	0.000
98	-0.863	0.010	0.272	0.000	0.001	0.001
99	-7.681	0.008	1.450	0.001	0.006	0.010
100	-12.290	6.827	6.667	-0.003	-0.023	0.016
101	-13.631	8.803	13.201	0.007	0.007	-0.013
102	-7.471	-0.316	18.464	0.001	0.004	-0.011
103	0.000	0.000	0.000	0.000	0.000	0.000
104	-0.310	0.008	0.196	0.000	0.000	0.001
105	-7.246	0.009	0.354	0.000	0.006	0.012
106	-11.930	-6.922	7.166	-0.003	0.022	0.016
107	-13.629	-9.429	14.188	-0.008	0.009	-0.010
108	-13.630	-0.316	15.721	0.007	-0.005	-0.011
109	0.000	0.000	0.000	0.000	0.000	0.000
110	-0.613	0.000	0.271	0.000	0.000	0.001
111	-4.988	-0.002	1.382	0.001	0.002	0.006
112	-7.952	4.382	6.487	0.000	-0.018	0.011
113	-9.258	6.313	13.204	0.007	0.004	-0.009
114	-5.010	0.028	18.546	0.002	0.002	-0.007
115	0.000	0.000	0.000	0.000	0.000	0.000
116	-0.264	0.000	0.196	0.000	0.000	0.000
117	-5.019	0.001	0.354	0.000	0.004	0.007
118	-8.231	-4.751	7.126	-0.002	0.021	0.011
119	-9.260	-6.267	14.182	-0.004	0.006	-0.007
120	-9.260	0.028	15.277	0.007	-0.003	-0.007
121	0.000	0.000	0.000	0.000	0.000	0.000
122	-0.426	-0.010	0.271	0.000	0.000	0.001
123	-3.567	-0.011	1.312	0.001	0.001	0.004
124	-5.695	3.136	6.580	0.001	-0.017	0.008
125	-6.575	4.436	13.205	0.005	0.001	-0.007
126	-3.537	-0.057	18.619	0.002	0.001	-0.005
127	0.000	0.000	0.000	0.000	0.000	0.000
128	-0.216	-0.007	0.197	0.000	0.000	0.000
129	-3.496	-0.006	0.353	0.000	0.003	0.004
130	-5.714	-3.286	6.962	0.000	0.020	0.008
131	-6.577	-4.560	14.178	-0.002	0.004	-0.006
132	-6.576	-0.056	15.315	0.007	-0.002	-0.005
133	0.000	0.000	0.000	0.000	0.000	0.000
134	-0.285	0.000	0.270	0.000	0.000	0.001
135	-2.712	-0.001	1.242	0.001	0.000	0.002
136	-4.356	2.429	6.600	0.002	-0.016	0.006
137	-5.031	3.427	13.205	0.003	0.000	-0.006
138	-2.643	-0.104	18.685	0.002	0.000	-0.004
139	0.000	0.000	0.000	0.000	0.000	0.000
140	-0.163	0.000	0.196	0.000	0.000	0.000
141	-2.567	0.001	0.351	0.000	0.002	0.002
142	-4.197	-2.408	6.836	0.000	0.019	0.006
143	-5.033	-3.643	14.174	-0.001	0.003	-0.005
144	-5.032	-0.103	15.381	0.007	-0.001	-0.004
145	0.000	0.000	0.000	0.000	0.000	0.000
146	-0.185	0.011	0.268	0.000	0.000	0.000
147	-2.197	0.010	1.170	0.001	0.000	0.002
148	-3.561	2.027	6.569	0.002	-0.016	0.005
149	-4.176	2.936	13.205	0.003	-0.001	-0.005
150	-2.119	-0.105	18.742	0.002	0.000	-0.004
151	0.000	0.000	0.000	0.000	0.000	0.000
152	-0.107	0.008	0.194	0.000	0.000	0.000
153	-2.038	0.010	0.348	0.000	0.002	0.001
154	-3.350	-1.929	6.761	0.001	0.019	0.006
155	-4.178	-3.154	14.171	-0.001	0.002	-0.004
156	-4.178	-0.104	15.409	0.007	-0.001	-0.003
157	0.000	0.000	0.000	0.000	0.000	0.000
158	-0.122	0.008	0.265	0.000	0.000	0.000
159	-1.887	0.007	1.098	0.001	-0.001	0.001
160	-3.085	1.777	6.533	0.002	-0.015	0.005
161	-3.686	2.667	13.205	0.002	-0.001	-0.005
162	-1.811	-0.105	18.792	0.002	-0.001	-0.003
163	0.000	0.000	0.000	0.000	0.000	0.000
164	-0.058	0.005	0.191	0.000	0.000	0.000
165	-1.733	0.007	0.343	0.000	0.001	0.001
166	-2.871	-1.676	6.727	0.001	0.019	0.005
167	-3.688	-2.884	14.167	0.000	0.002	-0.004
168	-3.688	-0.104	15.416	0.008	-0.001	-0.003
169	0.000	0.000	0.000	0.000	0.000	0.000
170	-0.087	-0.006	0.273	0.000	0.000	0.000
171	-1.672	-0.007	1.024	0.001	-0.001	0.001
172	-2.749	1.585	6.469	0.002	-0.016	0.005
173	-3.334	2.451	13.205	0.002	-0.001	-0.005
174	-1.598	-0.116	18.833	0.002	-0.001	-0.003
175	0.000	0.000	0.000	0.000	0.000	0.000
176	-0.020	-0.004	0.195	0.000	0.000	0.000
177	-1.518	-0.003	0.336	0.000	0.001	0.000
178	-2.539	-1.510	6.698	0.001	0.019	0.005
179	-3.336	-2.690	14.164	0.000	0.002	-0.004
180	-3.336	-0.115	15.430	0.008	-0.001	-0.003
181	0.000	0.000	0.000	0.000	0.000	0.000
182	-0.067	-0.002	0.280	0.000	0.000	0.000
183	-1.447	-0.003	0.950	0.001	-0.001	0.001
184	-2.385	1.384	6.409	0.002	-0.016	0.004
185	-2.930	2.191	13.204	0.003	-0.001	-0.004
186	-1.371	-0.114	18.867	0.002	-0.001	-0.003
187	0.000	0.000	0.000	0.000	0.000	0.000
188	0.009	-0.001	0.199	0.000	0.000	0.000
189	-1.292	0.000	0.328	0.000	0.001	0.000
190	-2.178	-1.309	6.683	0.001	0.019	0.004
191	-2.932	-2.425	14.162	-0.001	0.002	-0.004
192	-2.932	-0.113	15.449	0.008	-0.001	-0.002
193	0.000	0.000	0.000	0.000	0.000	0.000
194	-0.052	0.010	0.286	0.000	0.000	0.000
195	-1.102	0.009	0.874	0.001	0.000	0.000
196	-1.819	1.067	6.314	0.002	-0.016	0.004
197	-2.301	1.781	13.203	0.003	-0.001	-0.004
198	-1.049	-0.068	18.893	0.002	0.000	-0.002
199	0.000	0.000	0.000	0.000	0.000	0.000
200	0.025	0.003	0.202	0.000	0.000	0.000
201	-0.997	0.004	0.319	0.000	0.001	0.000
202	-1.694	-1.026	6.686	0.001	0.019	0.004
203	-2.305	-1.931	14.159	-0.001	0.003	-0.004
204	-2.304	-0.067	15.495	0.008	-0.001	-0.002

Node	X-Axis Transl'n	Y-Axis Transl'n	Z-Axis Transl'n	X-Axis Rotation	Y-Axis Rotation	Z-Axis Rotation
205	0.000	0.000	0.000	0.000	0.000	0.000
206	-0.036	0.037	0.291	0.000	0.000	0.000
207	-0.541	0.036	0.797	0.001	0.000	-0.001
208	-0.892	0.551	6.216	0.002	-0.016	0.002
209	-1.290	1.142	13.203	0.004	0.000	-0.004
210	-0.558	0.058	18.911	0.002	0.000	-0.001
211	0.000	0.000	0.000	0.000	0.000	0.000
212	0.025	0.014	0.203	0.000	0.000	0.000
213	-0.589	0.015	0.308	0.000	0.002	-0.001
214	-1.009	-0.605	6.788	0.002	0.018	0.002
215	-1.288	-1.017	14.157	-0.003	0.004	-0.004
216	-1.290	0.059	15.427	0.007	-0.001	-0.001
217	0.000	0.000	0.000	0.000	0.000	0.000
218	-0.006	-0.012	0.290	0.000	0.000	0.000
219	-0.141	-0.118	0.719	0.002	-0.002	-0.001
220	-0.230	0.002	6.522	0.008	-0.011	0.001
221	-0.239	0.003	13.202	0.006	-0.001	-0.003
222	-0.073	-0.248	18.921	0.002	0.000	-0.001
223	0.000	0.000	0.000	0.000	0.000	0.000
224	0.007	-0.005	0.203	0.000	0.000	0.000
225	0.059	-0.031	0.296	0.001	0.002	-0.001
226	0.086	0.001	6.848	0.008	0.013	0.001
227	0.089	-0.004	14.155	0.001	0.003	-0.003
228	0.000	0.000	-0.002	0.000	0.000	0.000
229	-0.003	0.000	0.044	0.000	0.000	0.000
230	0.090	-0.009	0.160	0.000	0.000	0.000
231	0.000	0.000	0.000	0.000	0.000	0.000
232	0.000	0.000	0.000	0.000	0.000	0.000
233	-0.009	0.018	16.513	0.012	-0.001	0.001
234	1.563	0.004	15.303	0.010	0.004	0.000
235	0.851	0.014	12.994	0.013	-0.001	0.003
236	0.857	0.001	12.914	0.009	-0.001	-0.003
237	0.118	-0.003	2.869	0.008	0.014	0.000
238	-0.460	-0.003	9.617	0.012	-0.002	0.001
239	-0.003	-0.002	0.143	0.000	0.000	0.000
240	-0.003	-0.002	0.084	0.000	0.000	0.000
241	0.717	-0.097	2.789	0.007	-0.010	-0.002
242	1.724	-0.057	10.668	0.010	-0.009	0.002
243	0.099	-0.098	0.297	0.000	0.000	0.000
244	0.094	-0.062	0.228	0.000	0.000	0.000
245	0.000	0.000	-0.014	0.000	0.000	0.000
246	0.007	0.003	0.162	0.000	0.000	0.000
247	0.000	0.001	0.010	0.000	0.000	0.000
248	-0.005	0.001	0.092	0.000	0.000	0.000
249	-0.006	0.002	0.151	0.000	0.000	0.000
250	0.000	0.000	0.000	0.000	0.000	0.000
251	0.006	0.000	0.064	0.000	0.000	0.000
252	0.000	0.000	0.000	0.000	0.000	0.000
253	0.161	0.002	2.822	0.008	0.013	0.000
254	0.000	0.000	-0.033	0.000	0.000	0.000
255	0.007	-0.002	10.792	0.012	0.003	0.003
256	0.001	0.001	-0.008	0.000	0.000	0.000
257	0.006	0.001	0.107	0.000	0.000	0.000
258	-0.018	0.001	2.729	0.007	-0.011	0.000
259	-0.516	0.003	8.711	0.011	-0.001	0.001
260	-0.006	0.001	0.230	0.000	0.000	0.000
261	-4.214	-2.903	9.159	0.003	0.019	0.007
262	-1.513	-1.187	14.903	0.006	0.002	-0.002
263	-1.657	1.489	14.181	-0.002	-0.006	-0.002
264	-4.203	2.778	8.528	0.003	-0.014	0.006
265	-0.873	0.524	14.502	0.006	-0.004	-0.002
266	-2.109	1.497	8.380	0.004	-0.015	0.004
267	-0.898	-0.441	15.217	0.001	0.006	-0.002
268	-1.997	-1.475	9.011	0.003	0.018	0.004
269	-4.328	2.963	14.303	-0.004	-0.006	-0.005
270	-8.685	6.441	12.701	-0.005	-0.010	-0.001
271	-13.351	8.393	10.265	-0.008	-0.015	0.009
272	-18.841	7.904	6.308	-0.008	-0.022	0.025
273	-1.178	0.789	15.705	0.001	-0.005	-0.003
274	-0.689	0.251	17.163	0.006	-0.004	0.000
275	-1.781	1.012	14.533	0.005	-0.004	-0.002
276	-3.086	2.421	12.792	0.004	-0.005	-0.002
277	-3.107	2.114	8.500	0.004	-0.015	0.004
278	-2.488	0.895	3.572	0.003	-0.011	0.004
279	-0.705	-0.157	17.462	0.003	0.005	-0.001
280	-1.839	-1.240	15.239	0.002	0.005	-0.002
281	-3.053	-2.603	13.797	0.001	0.007	-0.001
282	-2.925	-2.081	9.039	0.003	0.018	0.005
283	-2.268	-0.784	3.252	0.002	0.015	0.004
284	0.003	0.000	0.025	0.000	0.000	0.000
285	0.155	0.002	2.694	0.008	0.013	0.000
286	0.000	0.000	0.000	0.000	0.000	0.000
287	0.179	0.001	2.640	0.018	0.003	-0.001
288	-0.016	0.001	2.609	0.007	-0.011	0.000
289	-0.081	0.003	2.048	0.013	-0.001	0.001
290	0.114	-0.003	2.738	0.008	0.014	0.000
291	-0.050	-0.002	2.220	0.015	-0.002	0.000
292	0.689	-0.097	2.670	0.007	-0.010	-0.002
293	0.733	-0.061	2.812	0.018	-0.009	-0.004
294	0.000	0.000	0.000	0.000	0.000	0.000
295	0.000	0.000	0.000	0.000	0.000	0.000
296	0.000	0.000	0.000	0.000	0.000	0.000
297	0.000	0.000	0.000	0.000	0.000	0.000
298	0.000	0.000	0.000	0.000	0.000	0.000
299	0.000	0.000	0.000	0.000	0.000	0.000
300	0.000	0.000	0.000	0.000	0.000	0.000
301	-0.010	-0.008	0.055	0.000	0.000	0.000
302	-0.014	-0.003	0.038	0.000	0.000	0.000
303	-0.094	-0.005	0.108	0.000	0.000	0.000
304	-0.055	-0.001	0.075	0.000	0.000	0.000
305	-0.289	0.001	0.159	0.000	0.000	0.000
306	-0.121	0.001	0.113	0.000	0.000	0.000
307	-0.590	0.005	0.212	0.000	0.000	0.001
308	-0.204	0.003	0.151	0.000	0.000	0.000
309	-0.072	-0.004	0.210	0.000	0.000	0.000
310	-0.018	-0.003	0.151	0.000	0.000	0.000
311	-0.040	-0.001	0.158	0.000	0.000	0.000
312	0.005	-0.001	0.114	0.000	0.000	0.000
313	-0.020	0.004	0.106	0.000	0.000	0.000
314	0.009	0.001	0.076	0.000	0.000	0.000
315	-0.006	0.007	0.054	0.000	0.000	0.000
316	0.005	0.002	0.038	0.000	0.000	0.000

Load case 4 (Linear): SW+Seism on X direction

Node	X-Axis Transl'n	Y-Axis Transl'n	Z-Axis Transl'n	X-Axis Rotation	Y-Axis Rotation	Z-Axis Rotation
1	0.000	0.000	0.000	0.000	0.000	0.000
2	0.298	0.035	0.022	0.000	0.004	-0.001
3	0.395	0.109	-5.190	0.001	0.004	0.001
4	0.418	-0.081	-1.198	-0.001	0.002	0.000
5	0.439	-0.050	-2.790	0.004	0.008	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000
7	0.229	-0.036	-0.057	0.001	0.003	0.001
8	0.307	0.047	-2.288	-0.003	-0.006	-0.001
9	0.311	0.021	-4.621	-0.005	0.007	0.002
10	0.306	-0.108	-3.662	-0.003	0.001	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000
12	0.116	0.001	0.005	0.000	0.001	0.000
13	0.110	-0.005	-0.009	0.000	0.001	0.000
14	0.621	0.002	0.005	0.000	0.001	-0.001
15	2.791	0.004	0.016	0.000	0.004	-0.005
16	4.259	-2.164	-1.889	0.001	0.004	-0.004
17	4.380	-2.332	-2.791	0.005	0.006	0.001
18	2.847	-0.045	-5.171	0.000	0.004	0.003
19	0.000	0.000	0.000	0.000	0.000	0.000
20	0.659	-0.004	-0.008	0.000	0.001	-0.001
21	2.837	-0.005	-0.061	0.000	0.005	-0.003
22	4.310	2.168	-2.398	0.002	-0.011	-0.004
23	4.384	2.264	-4.621	-0.003	0.005	0.003
24	4.383	-0.046	-4.070	-0.003	-0.001	0.003
25	0.000	0.000	0.000	0.000	0.000	0.000
26	1.188	-0.002	0.004	0.000	0.001	-0.001
27	4.320	-0.001	0.011	0.000	0.002	-0.006
28	6.437	-3.133	-1.583	0.002	0.006	-0.007
29	7.246	-4.325	-2.792	0.004	0.004	0.003
30	4.615	-0.412	-5.154	0.000	0.003	0.005
31	0.000	0.000	0.000	0.000	0.000	0.000
32	1.274	-0.004	-0.007	0.000	0.001	-0.001
33	4.858	-0.005	-0.064	0.000	0.003	-0.006
34	7.269	3.563	-2.709	0.003	-0.011	-0.007
35	7.249	3.518	-4.620	-0.002	0.003	0.005
36	7.248	-0.413	-3.996	-0.003	0.000	0.005
37	0.000	0.000	0.000	0.000	0.000	0.000
38	1.603	-0.004	0.004	0.000	0.001	-0.002
39	5.245	-0.006	0.005	0.000	0.002	-0.007
40	7.700	-3.644	-0.844	0.002	0.004	-0.008
41	9.233	-5.914	-2.794	0.001	0.005	0.002
42	5.760	-0.750	-5.139	0.000	0.003	0.006
43	0.000	0.000	0.000	0.000	0.000	0.000
44	1.715	-0.005	-0.006	0.000	0.001	-0.002
45	6.230	-0.006	-0.066	0.000	0.002	-0.008
46	9.266	4.488	-2.826	0.004	-0.012	-0.008
47	9.242	4.437	-4.619	-0.002	0.003	0.006
48	9.238	-0.751	-4.069	-0.003	0.000	0.007
49	0.000	0.000	0.000	0.000	0.000	0.000
50	1.814	-0.002	0.004	0.000	0.000	-0.002
51	6.882	-0.001	-0.001	0.000	0.003	-0.010
52	10.300	-5.058	-1.024	0.004	0.006	-0.010
53	11.390	-6.656	-2.811	0.002	0.004	0.004
54	7.197	-0.429	-5.126	-0.001	0.003	0.008
55	0.000	0.000	0.000	0.000	0.000	0.000
56	1.921	-0.004	-0.005	0.000	0.000	-0.002
57	7.448	-0.005	-0.066	0.000	0.002	-0.010
58	11.169	5.501	-2.889	0.005	-0.012	-0.011
59	11.391	5.811	-4.618	-0.002	0.003	0.006
60	11.391	-0.430	-3.842	-0.003	0.000	0.008
61	0.000	0.000	0.000	0.000	0.000	0.000
62	1.927	-0.001	0.003	0.000	0.000	-0.003
63	8.150	-0.002	-0.007	0.000	0.002	-0.013
64	12.339	-6.202	-1.409	0.006	0.010	-0.012
65	13.075	-7.274	-2.829	0.001	0.003	0.006
66	8.297	-0.179	-5.113	-0.001	0.002	0.009
67	0.000	0.000	0.000	0.000	0.000	0.000
68	2.016	-0.002	-0.004	0.000	0.000	-0.003
69	8.381	-0.002	-0.066	0.000	0.001	-0.011
70	12.667	6.340	-2.932	0.005	-0.013	-0.012
71	13.076	6.927	-4.615	-0.002	0.002	0.007
72	13.076	-0.179	-3.956	-0.003	0.001	0.009
73	0.000	0.000	0.000	0.000	0.000	0.000
74	2.119	-0.001	0.003	0.000	0.000	-0.003
75	9.053	0.000	-0.015	0.000	0.002	-0.014
76	13.721	-6.911	-2.130	0.006	0.010	-0.013
77	14.226	-7.644	-2.846	0.001	0.002	0.007
78	9.087	-0.017	-5.102	-0.001	0.001	0.009
79	0.000	0.000	0.000	0.000	0.000	0.000
80	2.197	-0.004	-0.003	0.000	0.000	-0.003
81	9.061	-0.004	-0.065	0.000	0.001	-0.013
82	13.683	6.836	-2.945	0.006	-0.013	-0.013
83	14.225	7.619	-4.613	-0.001	0.002	0.007
84	14.226	-0.017	-4.000	-0.003	0.001	0.009
85	0.000	0.000	0.000	0.000	0.000	0.000
86	2.254	-0.001	0.002	0.000	0.000	-0.003
87	9.378	-0.001	-0.019	0.000	0.001	-0.014
88	14.176	-7.103	-2.050	0.006	0.010	-0.014
89	14.778	-7.979	-2.863	0.001	0.001	0.008
90	9.438	-0.051	-5.091	-0.001	0.001	0.010
91	0.000	0.000	0.000	0.000	0.000	0.000
92	2.326	-0.005	-0.002	0.000	0.000	-0.003
93	9.434	-0.006	-0.063	0.000	0.000	-0.013
94	14.221	7.078	-2.977	0.006	-0.013	-0.014
95	14.779	7.885	-4.609	0.000	0.001	0.008
96	14.779	-0.051	-4.059	-0.003	0.001	0.010
97	0.000	0.000	0.000	0.000	0.000	0.000
98	2.241	-0.001	0.002	0.000	0.000	-0.003
99	9.475	-0.001	-0.023	0.000	0.000	-0.014
100	14.348	-7.214	-2.025	0.006	0.010	-0.014
101	15.016	-8.186	-2.877	0.000	0.001	0.008
102	9.566	-0.096	-5.082	-0.001	0.001	0.010
103	0.000	0.000	0.000	0.000	0.000	0.000
104	2.309	-0.004	-0.002	0.000	0.000	-0.003
105	9.593	-0.005	-0.061	0.000	0.000	-0.014
106	14.498	7.254	-3.025	0.006	-0.013	-0.014
107	15.017	8.003	-4.606	0.000	0.000	0.008
108	15.017	-0.096	-4.038	-0.003	0.002	0.010
109	0.000	0.000	0.000	0.000	0.000	0.000
110	2.185	-0.001	0.001	0.000	0.000	-0.003
111	9.503	-0.001	-0.027	0.000	0.000	-0.014
112	14.434	-7.298	-2.052	0.006	0.010	-0.014
113	15.094	-8.259	-2.891	0.000	0.000	0.008
114	9.605	-0.110	-5.075	-0.001	0.001	0.010
115	0.000	0.000	0.000	0.000	0.000	0.000
116	2.251	-0.002	-0.001	0.000	0.000	-0.003
117	9.642	-0.002	-0.058	0.000	0.000	-0.014
118	14.618	7.362	-3.052	0.006	-0.013	-0.014
119	15.095	8.048	-4.602	0.000	0.000	0.008
120	15.095	-0.110	-4.026	-0.003	0.002	0.010
121	0.000	0.000	0.000	0.000	0.000	0.000
122	2.254	-0.001	0.001	0.000	0.000	-0.003
123	9.508	-0.001	-0.031	0.000	0.000	-0.014
124	14.396	-7.235	-2.041	0.006	0.010	-0.014
125	15.067	-8.212	-2.903	0.000	0.000	0.008
126	9.610	-0.111	-5.068	-0.001	0.001	0.010
127	0.000	0.000	0.000	0.000	0.000	0.000
128	2.324	-0.004	0.000	0.000	0.000	-0.003
129	9.646	-0.004	-0.054	0.000	0.000	-0.014
130	14.577	7.292	-3.024	0.006	-0.013	-0.014
131	15.068	7.999	-4.598	0.000	0.000	0.008
132	15.068	-0.111	-4.028	-0.003	0.002	0.010

Node	X-Axis Transl'n	Y-Axis Transl'n	Z-Axis Transl'n	X-Axis Rotation	Y-Axis Rotation	Z-Axis Rotation
133	0.000	0.000	0.000	0.000	0.000	0.000
134	2.282	-0.001	0.000	0.000	0.000	-0.003
135	9.438	-0.001	-0.034	0.000	0.000	-0.014
136	14.261	-7.138	-2.015	0.006	0.010	-0.014
137	14.928	-8.109	-2.914	0.000	0.000	0.008
138	9.540	-0.111	-5.063	-0.001	0.000	0.010
139	0.000	0.000	0.000	0.000	0.000	0.000
140	2.355	-0.005	0.000	0.000	0.000	-0.003
141	9.576	-0.006	-0.050	0.000	-0.001	-0.013
142	14.438	7.190	-3.016	0.006	-0.013	-0.014
143	14.928	7.896	-4.593	0.000	0.000	0.008
144	14.928	-0.112	-4.038	-0.003	0.002	0.010
145	0.000	0.000	0.000	0.000	0.000	0.000
146	2.166	-0.001	0.000	0.000	0.000	-0.003
147	9.233	-0.001	-0.037	0.000	0.000	-0.014
148	13.995	-7.049	-2.004	0.006	0.010	-0.014
149	14.628	-7.969	-2.923	-0.001	0.000	0.008
150	9.338	-0.115	-5.059	-0.001	0.000	0.009
151	0.000	0.000	0.000	0.000	0.000	0.000
152	2.238	-0.004	0.001	0.000	0.000	-0.003
153	9.377	-0.004	-0.045	0.000	-0.001	-0.013
154	14.184	7.109	-3.034	0.006	-0.013	-0.014
155	14.629	7.747	-4.589	0.000	0.000	0.008
156	14.629	-0.115	-4.047	-0.003	0.002	0.010
157	0.000	0.000	0.000	0.000	0.000	0.000
158	1.996	-0.001	-0.001	0.000	0.000	-0.003
159	8.877	-0.001	-0.039	0.000	0.000	-0.013
160	13.513	-6.862	-2.000	0.006	0.010	-0.013
161	14.082	-7.688	-2.931	-0.001	-0.001	0.008
162	8.985	-0.119	-5.055	-0.001	0.000	0.009
163	0.000	0.000	0.000	0.000	0.000	0.000
164	2.066	-0.002	0.001	0.000	0.000	-0.003
165	9.029	-0.002	-0.039	0.000	-0.001	-0.013
166	13.716	6.934	-3.040	0.006	-0.012	-0.013
167	14.083	7.458	-4.584	0.001	-0.001	0.008
168	14.083	-0.120	-4.051	-0.002	0.002	0.009
169	0.000	0.000	0.000	0.000	0.000	0.000
170	1.907	-0.001	-0.002	0.000	0.000	-0.003
171	8.323	-0.001	-0.041	0.000	-0.001	-0.012
172	12.647	-6.400	-1.941	0.006	0.010	-0.013
173	13.140	-7.115	-2.937	-0.002	-0.002	0.008
174	8.430	-0.118	-5.053	-0.001	-0.001	0.008
175	0.000	0.000	0.000	0.000	0.000	0.000
176	1.978	-0.004	0.002	0.000	0.000	-0.003
177	8.472	-0.005	-0.033	0.000	-0.002	-0.012
178	12.843	6.464	-3.007	0.005	-0.012	-0.012
179	13.141	6.886	-4.580	0.001	-0.002	0.007
180	13.141	-0.119	-4.065	-0.002	0.002	0.008
181	0.000	0.000	0.000	0.000	0.000	0.000
182	1.703	-0.002	-0.003	0.000	-0.001	-0.002
183	7.401	-0.001	-0.042	0.000	-0.002	-0.011
184	11.241	-5.683	-1.854	0.005	0.010	-0.011
185	11.552	-6.129	-2.942	-0.003	-0.003	0.008
186	7.503	-0.112	-5.052	-0.001	-0.001	0.007
187	0.000	0.000	0.000	0.000	0.000	0.000
188	1.772	-0.005	0.002	0.000	-0.001	-0.002
189	7.541	-0.005	-0.027	0.000	-0.003	-0.011
190	11.424	5.740	-3.004	0.005	-0.011	-0.011
191	11.552	5.913	-4.575	0.002	-0.003	0.007
192	11.552	-0.112	-4.092	-0.002	0.003	0.007
193	0.000	0.000	0.000	0.000	0.000	0.000
194	1.266	-0.002	-0.004	0.000	-0.001	-0.001
195	5.861	-0.002	-0.043	-0.001	-0.003	-0.008
196	8.956	-4.582	-1.736	0.005	0.010	-0.009
197	8.983	-4.609	-2.945	-0.005	-0.005	0.007
198	5.958	-0.107	-5.052	-0.001	-0.003	0.005
199	0.000	0.000	0.000	0.000	0.000	0.000
200	1.319	-0.006	0.002	0.000	-0.001	-0.002
201	5.995	-0.006	-0.020	0.000	-0.004	-0.009
202	9.138	4.646	-2.980	0.004	-0.009	-0.008
203	8.984	4.402	-4.572	0.003	-0.005	0.006
204	8.984	-0.107	-4.157	-0.002	0.004	0.005
205	0.000	0.000	0.000	0.000	0.000	0.000
206	0.655	-0.001	-0.004	0.000	-0.001	-0.001
207	3.362	0.003	-0.043	-0.001	-0.005	-0.004
208	5.199	-2.708	-1.299	0.004	0.009	-0.006
209	5.121	-2.581	-2.947	-0.006	-0.006	0.006
210	3.483	-0.132	-5.052	-0.001	-0.005	0.003
211	0.000	0.000	0.000	0.000	0.000	0.000
212	0.683	-0.008	0.003	0.000	-0.001	-0.001
213	3.536	-0.008	-0.014	0.000	-0.006	-0.006
214	5.458	2.832	-2.896	0.001	-0.006	-0.005
215	5.123	2.320	-4.569	0.004	-0.007	0.004
216	5.122	-0.132	-4.199	-0.001	0.004	0.002
217	0.000	0.000	0.000	0.000	0.000	0.000
218	0.110	0.001	-0.005	0.000	-0.001	0.000
219	0.238	0.025	-0.041	-0.001	-0.004	0.000
220	0.323	-0.071	-1.287	-0.002	0.004	-0.001
221	0.322	-0.042	-2.947	-0.007	-0.007	0.002
222	0.309	0.010	-5.052	-0.002	-0.004	0.000
223	0.000	0.000	0.000	0.000	0.000	0.000
224	0.112	-0.003	0.004	0.000	-0.001	0.000
225	0.217	-0.019	-0.007	-0.001	-0.005	-0.002
226	0.286	0.049	-2.186	-0.002	-0.003	0.000
227	0.292	0.024	-4.568	0.004	-0.009	-0.001
228	0.075	-0.055	-0.029	0.000	0.001	0.000
229	0.096	0.007	0.247	0.000	0.000	0.000
230	0.102	-0.010	-0.230	0.000	0.000	0.000
231	0.000	0.000	0.000	0.000	0.000	0.000
232	0.000	0.000	0.000	0.000	0.000	0.000
233	0.312	0.005	-5.002	-0.004	0.000	-0.001
234	0.443	-0.012	-4.003	-0.002	0.001	0.000
235	0.306	0.005	-4.012	-0.003	0.001	0.000
236	0.307	-0.011	-3.338	-0.003	0.001	-0.001
237	0.115	0.046	-0.728	-0.003	-0.006	0.000
238	0.933	0.019	-2.098	-0.005	0.007	0.000
239	0.106	0.046	0.237	0.000	0.000	0.000
240	0.100	0.017	0.278	0.000	0.000	0.000
241	0.296	-0.081	-0.663	-0.001	0.002	-0.001
242	-0.158	-0.048	-3.370	-0.002	0.008	-0.002
243	0.112	-0.081	-0.221	0.000	0.000	0.000
244	0.106	-0.045	-0.259	0.000	0.000	0.000
245	0.075	0.006	-0.389	0.000	0.001	0.000
246	0.108	0.050	-0.252	0.000	0.000	0.000
247	0.075	-0.010	0.331	0.000	0.001	0.000
248	0.096	-0.010	0.248	0.000	0.000	0.000
249	0.100	-0.037	0.279	0.000	0.000	0.000
250	0.000	0.000	0.000	0.000	0.000	0.000
251	0.098	0.007	-0.262	0.000	0.000	0.000
252	0.000	0.000	0.000	0.000	0.000	0.000
253	0.263	0.049	-1.087	-0.002	-0.003	0.000
254	0.029	0.006	-0.394	0.000	0.001	0.000
255	-0.537	0.022	-4.631	-0.003	-0.009	-0.002
256	0.112	-0.010	0.326	0.000	0.001	0.000
257	0.102	0.019	-0.295	0.000	0.000	0.000
258	0.143	-0.070	-0.321	-0.002	0.004	0.000
259	1.161	-0.040	-0.258	-0.004	-0.007	0.001
260	0.106	-0.070	0.239	0.000	0.000	0.000
261	7.651	4.124	-3.643	0.002	-0.008	-0.003
262	3.932	1.585	-4.533	-0.004	0.001	0.003
263	4.071	-1.870	-3.134	0.005	0.004	0.003
264	6.896	-3.811	-2.018	0.003	0.005	-0.005
265	4.407	-1.516	-3.294	-0.008	-0.001	0.003
266	9.477	-5.349	-2.394	0.003	0.006	-0.004
267	4.572	1.498	-4.906	0.005	-0.003	0.003
268	9.588	5.309	-3.610	0.004	-0.007	-0.003
269	6.634	-3.416	-2.901	0.003	0.003	0.005
270	9.234	-5.920	-2.378	0.003	0.007	-0.001
271	10.960	-6.032	-1.361	0.002	0.004	-0.007
272	10.728	-3.818	-0.579	0.001	0.004	-0.012
273	3.456	-0.954	-3.791	0.002	0.005	0.003
274	3.913	-0.777	-4.801	-0.006	0.000	0.002
275	7.997	-3.144	-3.262	-0.006	-0.001	0.006
276	11.881	-6.618	-2.977	-0.002	-0.001	0.005
277	13.407	-7.522	-2.524	0.004	0.007	-0.007
278	11.738	-4.234	-0.887	0.003	0.007	-0.014
279	3.995	0.634	-4.522	0.003	-0.001	0.003
280	8.108	3.098	-4.848	0.003	-0.002	0.005
281	11.858	6.368	-4.466	0.003	-0.003	0.005
282	13.561	7.522	-3.769	0.005	-0.008	-0.006
283	11.923	4.282	-1.485	0.003	-0.009	-0.014
284	0.121	0.007	-0.345	0.000	0.001	0.000
285	0.257	0.049	-1.047	-0.002	-0.003	0.000
286	0.000	-0.002	0.000	0.000	0.000	0.000
287	-0.240	0.020	-1.462	-0.008	-0.009	0.002
288	0.141	-0.070	-0.294	-0.002	0.004	0.000
289	0.513	-0.038	0.369	0.000	-0.007	-0.003
290	0.114	0.046	-0.681	-0.003	-0.006	0.000
291	0.382	0.018	-0.130	-0.003	0.007	-0.002
292	0.287	-0.081	-0.642	-0.001	0.002	-0.001
293	-0.110	-0.045	-1.123	-0.006	0.008	0.001
294	0.000	-0.001	0.000	0.000	0.000	0.000
295	0.000	-0.001	0.000	0.000	0.000	0.000
296	0.000	-0.002	0.000	0.000	0.000	0.000
297	0.000	-0.002	0.000	0.000	0.000	0.000
298	0.000	-0.001	0.000	0.000	0.000	0.000
299	0.000	-0.001	0.000	0.000	0.000	0.000
300	0.000	-0.002	0.000	0.000	0.000	0.000
301	0.126	0.000	0.000	0.000	0.000	-0.001
302	0.135	-0.001	-0.001	0.000	0.000	-0.001
303	0.476	-0.001	0.002	0.000	0.000	-0.001
304	0.511	-0.002	-0.001	0.000	0.000	-0.001
305	0.957	-0.002	0.003	0.000	0.000	-0.002
306	1.023	-0.003	-0.001	0.000	0.000	-0.002
307	1.455	-0.002	0.003	0.000	0.000	-0.002
308	1.540	-0.004	-0.002	0.000	0.000	-0.002
309	1.528	-0.001	-0.001	0.000	0.000	-0.002
310	1.585	-0.004	0.000	0.000	0.000	-0.002
311	1.016	-0.001	-0.001	0.000	0.000	-0.002
312	1.057	-0.003	0.000	0.000	0.000	-0.002
313	0.507	-0.001	-0.001	0.000	0.000	-0.001
314	0.531	-0.003	0.000	0.000	0.000	-0.001
315	0.134	0.000	0.000	0.000	0.000	-0.001
316	0.153	-0.002	0.000	0.000	0.000	-0.001

Load case 5 (Linear): SW+Seism on Z direction

Node	X-Axis Transl'n	Y-Axis Transl'n	Z-Axis Transl'n	X-Axis Rotation	Y-Axis Rotation	Z-Axis Rotation
1	0.000	0.000	0.000	0.000	0.000	0.000
2	0.830	0.320	0.999	0.002	-0.004	-0.001
3	0.863	1.305	17.592	0.003	-0.002	-0.001
4	1.305	-0.107	6.518	0.008	-0.010	-0.001
5	1.462	-0.064	13.135	-0.001	-0.009	-0.001
6	0.000	0.000	0.000	0.000	0.000	0.000
7	-0.030	0.020	0.296	0.001	0.001	-0.001
8	-0.049	-0.014	7.096	0.009	0.014	0.001
9	-0.043	-0.013	14.274	0.006	-0.002	-0.004
10	0.850	-0.722	12.955	0.011	0.001	0.000
11	0.000	0.000	0.000	0.000	0.000	0.000
12	0.098	0.023	0.298	0.000	0.000	0.000
13	-0.002	0.003	0.203	0.000	0.000	0.000
14	-0.028	-0.044	0.299	0.000	0.000	0.000
15	-0.711	-0.044	1.096	0.001	-0.004	0.000
16	-1.176	0.644	6.671	0.004	-0.013	0.003
17	-1.871	1.674	13.137	-0.003	-0.006	-0.001
18	-0.678	-0.077	17.735	0.003	-0.004	-0.002
19	0.000	0.000	0.000	0.000	0.000	0.000
20	-0.053	-0.017	0.203	0.000	0.000	0.000
21	-0.629	-0.016	0.311	0.000	-0.001	-0.002
22	-1.031	-0.607	6.571	0.001	0.020	0.003
23	-1.884	-1.873	14.275	0.003	-0.002	-0.003
24	-1.878	-0.077	14.964	0.006	0.001	-0.002
25	0.000	0.000	0.000	0.000	0.000	0.000
26	-0.249	-0.016	0.293	0.000	-0.001	0.000
27	-2.431	-0.018	1.193	0.001	-0.004	0.003
28	-3.910	2.169	6.753	0.003	-0.014	0.006
29	-4.849	3.556	13.140	-0.003	-0.007	-0.003
30	-2.282	-0.245	17.871	0.001	-0.004	-0.005
31	0.000	0.000	0.000	0.000	0.000	0.000
32	-0.107	-0.006	0.202	0.000	0.000	0.000
33	-2.118	-0.004	0.324	0.000	-0.002	0.001
34	-3.490	-2.030	6.588	0.000	0.021	0.007
35	-4.848	-4.040	14.277	0.004	-0.004	-0.004
36	-4.849	-0.244	15.099	0.007	0.002	-0.005
37	0.000	0.000	0.000	0.000	0.000	0.000
38	-0.512	-0.001	0.286	0.000	-0.001	0.001
39	-4.439	-0.001	1.290	0.001	-0.006	0.006
40	-7.093	3.925	7.126	0.002	-0.014	0.010
41	-8.522	6.039	13.143	-0.005	-0.009	-0.004
42	-4.242	-0.295	17.999	0.002	-0.005	-0.008
43	0.000	0.000	0.000	0.000	0.000	0.000
44	-0.162	-0.002	0.199	0.000	0.000	0.000
45	-4.039	-0.001	0.334	0.000	-0.003	0.004
46	-6.668	-3.888	6.656	-0.002	0.023	0.011
47	-8.525	-6.636	14.278	0.006	-0.006	-0.005
48	-8.525	-0.294	15.030	0.007	0.002	-0.008
49	0.000	0.000	0.000	0.000	0.000	0.000
50	-0.771	0.004	0.277	0.000	0.000	0.001
51	-7.746	0.001	1.386	0.001	-0.009	0.012
52	-12.461	6.976	8.730	0.002	-0.015	0.015
53	-13.762	8.893	13.150	-0.006	-0.011	-0.006
54	-7.159	-0.884	18.119	0.003	-0.007	-0.012
55	0.000	0.000	0.000	0.000	0.000	0.000
56	-0.211	0.001	0.195	0.000	0.000	0.000
57	-6.556	0.003	0.342	0.000	-0.004	0.009
58	-10.856	-6.355	6.601	-0.004	0.026	0.017
59	-13.754	-10.641	14.277	0.009	-0.009	-0.007
60	-13.759	-0.883	14.689	0.008	0.003	-0.013

Node	X-Axis Transl'n	Y-Axis Transl'n	Z-Axis Transl'n	X-Axis Rotation	Y-Axis Rotation	Z-Axis Rotation
61	0.000	0.000	0.000	0.000	0.000	0.000
62	-0.992	-0.012	0.268	0.000	0.000	0.001
63	-13.588	0.007	1.482	0.000	-0.016	0.025
64	-21.970	12.450	9.682	-0.007	-0.023	0.021
65	-20.342	10.019	13.157	0.000	-0.010	-0.012
66	-11.548	-3.025	18.231	0.006	-0.009	-0.016
67	0.000	0.000	0.000	0.000	0.000	0.000
68	-0.249	-0.007	0.190	0.000	0.000	0.000
69	-9.522	-0.004	0.348	0.000	-0.005	0.014
70	-15.797	-9.292	6.384	-0.007	0.028	0.024
71	-20.335	-16.012	14.275	0.011	-0.011	-0.008
72	-20.340	-3.026	14.316	0.008	0.003	-0.017
73	0.000	0.000	0.000	0.000	0.000	0.000
74	-1.151	-0.033	0.271	0.000	0.000	0.002
75	-20.619	-0.063	1.579	0.004	-0.005	0.037
76	-33.415	19.106	14.157	-0.018	-0.039	0.026
77	-25.435	7.394	13.166	0.000	0.001	-0.027
78	-16.142	-6.335	18.335	0.001	-0.001	-0.017
79	0.000	0.000	0.000	0.000	0.000	0.000
80	-0.278	-0.011	0.193	0.000	0.000	0.001
81	-11.855	-0.008	0.351	0.000	0.000	0.020
82	-19.716	-11.619	6.439	-0.007	0.027	0.030
83	-25.358	-19.951	14.271	-0.001	0.001	-0.009
84	-25.397	-6.339	16.537	0.004	-0.001	-0.015
85	0.000	0.000	0.000	0.000	0.000	0.000
86	-1.120	-0.009	0.272	0.000	0.000	0.002
87	-13.688	0.008	1.516	0.003	0.014	0.020
88	-22.067	12.447	8.638	-0.015	-0.037	0.023
89	-20.023	9.408	13.174	0.002	0.008	-0.023
90	-11.782	-2.810	18.430	-0.003	0.007	-0.015
91	0.000	0.000	0.000	0.000	0.000	0.000
92	-0.285	-0.003	0.195	0.000	0.000	0.001
93	-9.898	-0.001	0.353	0.000	0.006	0.017
94	-16.394	-9.619	6.890	-0.005	0.023	0.024
95	-20.020	-14.988	14.264	-0.012	0.012	-0.010
96	-20.022	-2.812	17.436	0.004	-0.006	-0.014
97	0.000	0.000	0.000	0.000	0.000	0.000
98	-0.910	0.008	0.272	0.000	0.001	0.001
99	-7.798	0.005	1.450	0.001	0.006	0.010
100	-12.453	6.891	6.739	-0.004	-0.023	0.016
101	-13.612	8.596	13.179	0.007	0.007	-0.014
102	-7.462	-0.511	18.519	0.001	0.004	-0.011
103	0.000	0.000	0.000	0.000	0.000	0.000
104	-0.261	0.005	0.196	0.000	0.000	0.001
105	-7.109	0.006	0.354	0.000	0.006	0.012
106	-11.737	-6.842	7.119	-0.003	0.022	0.016
107	-13.610	-9.608	14.258	-0.007	0.009	-0.009
108	-13.611	-0.512	15.804	0.007	-0.005	-0.010
109	0.000	0.000	0.000	0.000	0.000	0.000
110	-0.659	-0.001	0.271	0.000	0.000	0.001
111	-5.110	-0.003	1.382	0.001	0.002	0.006
112	-8.124	4.453	6.560	0.000	-0.018	0.011
113	-9.248	6.113	13.181	0.007	0.004	-0.009
114	-5.005	-0.167	18.600	0.002	0.002	-0.007
115	0.000	0.000	0.000	0.000	0.000	0.000
116	-0.216	-0.001	0.196	0.000	0.000	0.000
117	-4.887	0.000	0.354	0.000	0.004	0.007
118	-8.045	-4.672	7.079	-0.001	0.021	0.011
119	-9.250	-6.450	14.253	-0.004	0.006	-0.007
120	-9.249	-0.166	15.360	0.007	-0.003	-0.007
121	0.000	0.000	0.000	0.000	0.000	0.000
122	-0.473	-0.012	0.271	0.000	0.000	0.001
123	-3.693	-0.014	1.313	0.001	0.001	0.004
124	-5.870	3.207	6.653	0.001	-0.017	0.008
125	-6.570	4.239	13.183	0.005	0.001	-0.007
126	-3.536	-0.252	18.673	0.002	0.001	-0.005
127	0.000	0.000	0.000	0.000	0.000	0.000
128	-0.167	-0.009	0.196	0.000	0.000	0.000
129	-3.368	-0.008	0.353	0.000	0.003	0.004
130	-5.535	-3.214	6.917	0.000	0.020	0.008
131	-6.573	-4.747	14.248	-0.002	0.004	-0.006
132	-6.572	-0.252	15.397	0.007	-0.002	-0.005
133	0.000	0.000	0.000	0.000	0.000	0.000
134	-0.334	-0.004	0.270	0.000	0.000	0.001
135	-2.839	-0.005	1.242	0.001	0.000	0.003
136	-4.533	2.501	6.672	0.002	-0.016	0.006
137	-5.030	3.233	13.183	0.003	0.000	-0.006
138	-2.644	-0.299	18.739	0.002	0.000	-0.004
139	0.000	0.000	0.000	0.000	0.000	0.000
140	-0.113	-0.003	0.196	0.000	0.000	0.000
141	-2.442	-0.002	0.351	0.000	0.002	0.002
142	-4.022	-2.339	6.791	0.000	0.019	0.007
143	-5.032	-3.833	14.244	-0.001	0.003	-0.005
144	-5.032	-0.298	15.463	0.007	-0.002	-0.004
145	0.000	0.000	0.000	0.000	0.000	0.000
146	-0.231	0.009	0.268	0.000	0.000	0.000
147	-2.324	0.008	1.171	0.001	0.000	0.002
148	-3.741	2.102	6.641	0.002	-0.016	0.005
149	-4.177	2.745	13.183	0.003	-0.001	-0.005
150	-2.121	-0.298	18.796	0.002	0.000	-0.004
151	0.000	0.000	0.000	0.000	0.000	0.000
152	-0.060	0.006	0.194	0.000	0.000	0.000
153	-1.915	0.007	0.347	0.000	0.002	0.001
154	-3.177	-1.858	6.715	0.001	0.019	0.006
155	-4.179	-3.343	14.241	-0.001	0.002	-0.004
156	-4.179	-0.297	15.492	0.007	-0.001	-0.003
157	0.000	0.000	0.000	0.000	0.000	0.000
158	-0.165	0.006	0.265	0.000	0.000	0.000
159	-2.013	0.005	1.098	0.001	-0.001	0.001
160	-3.265	1.856	6.605	0.002	-0.016	0.005
161	-3.688	2.479	13.183	0.002	-0.001	-0.005
162	-1.814	-0.295	18.845	0.002	-0.001	-0.003
163	0.000	0.000	0.000	0.000	0.000	0.000
164	-0.015	0.004	0.191	0.000	0.000	0.000
165	-1.611	0.005	0.343	0.000	0.001	0.001
166	-2.699	-1.602	6.681	0.001	0.019	0.005
167	-3.690	-3.071	14.238	0.000	0.002	-0.004
168	-3.690	-0.294	15.499	0.007	-0.001	-0.003
169	0.000	0.000	0.000	0.000	0.000	0.000
170	-0.129	-0.009	0.273	0.000	0.000	0.000
171	-1.798	-0.010	1.025	0.001	-0.001	0.001
172	-2.930	1.663	6.542	0.002	-0.016	0.005
173	-3.339	2.267	13.182	0.002	-0.001	-0.005
174	-1.602	-0.304	18.887	0.002	-0.001	-0.003
175	0.000	0.000	0.000	0.000	0.000	0.000
176	0.021	-0.007	0.195	0.000	0.000	0.000
177	-1.400	-0.006	0.336	0.000	0.001	0.000
178	-2.371	-1.439	6.652	0.001	0.019	0.005
179	-3.341	-2.877	14.235	0.000	0.002	-0.004
180	-3.341	-0.304	15.512	0.008	-0.001	-0.003
181	0.000	0.000	0.000	0.000	0.000	0.000
182	-0.104	-0.005	0.280	0.000	0.000	0.000
183	-1.573	-0.006	0.950	0.001	-0.001	0.001
184	-2.569	1.466	6.482	0.002	-0.016	0.004
185	-2.941	2.014	13.182	0.002	-0.001	-0.005
186	-1.378	-0.299	18.920	0.002	-0.001	-0.003
187	0.000	0.000	0.000	0.000	0.000	0.000
188	0.046	-0.004	0.199	0.000	0.000	0.000
189	-1.178	-0.003	0.328	0.000	0.001	0.000
190	-2.016	-1.240	6.636	0.001	0.019	0.004
191	-2.942	-2.614	14.232	-0.001	0.002	-0.004
192	-2.942	-0.299	15.532	0.008	-0.001	-0.002
193	0.000	0.000	0.000	0.000	0.000	0.000
194	-0.080	0.007	0.286	0.000	0.000	0.000
195	-1.223	0.005	0.874	0.001	0.000	0.000
196	-2.001	1.154	6.383	0.002	-0.016	0.004
197	-2.318	1.621	13.181	0.003	-0.001	-0.005
198	-1.059	-0.240	18.946	0.002	0.000	-0.002
199	0.000	0.000	0.000	0.000	0.000	0.000
200	0.052	-0.001	0.202	0.000	0.000	0.000
201	-0.896	0.000	0.319	0.000	0.001	-0.001
202	-1.546	-0.959	6.642	0.001	0.018	0.004
203	-2.321	-2.109	14.229	-0.001	0.003	-0.003
204	-2.320	-0.239	15.585	0.008	-0.001	-0.002
205	0.000	0.000	0.000	0.000	0.000	0.000
206	-0.050	0.034	0.291	0.000	0.000	0.000
207	-0.626	0.032	0.797	0.001	0.000	-0.001
208	-1.023	0.617	6.258	0.002	-0.016	0.002
209	-1.305	1.032	13.180	0.003	0.000	-0.004
210	-0.568	-0.061	18.964	0.002	0.000	-0.001
211	0.000	0.000	0.000	0.000	0.000	0.000
212	0.038	0.011	0.203	0.000	0.000	0.000
213	-0.523	0.012	0.308	0.000	0.002	-0.001
214	-0.911	-0.559	6.766	0.002	0.018	0.002
215	-1.303	-1.141	14.227	-0.003	0.004	-0.003
216	-1.304	-0.061	15.523	0.007	-0.001	-0.001
217	0.000	0.000	0.000	0.000	0.000	0.000
218	-0.007	-0.014	0.290	0.000	0.000	0.000
219	-0.135	-0.121	0.719	0.002	-0.001	-0.001
220	-0.219	-0.009	6.493	0.008	-0.011	0.001
221	-0.229	-0.007	13.179	0.006	-0.001	-0.003
222	-0.073	-0.245	18.974	0.001	0.000	-0.001
223	0.000	0.000	0.000	0.000	0.000	0.000
224	0.008	-0.006	0.203	0.000	0.000	0.000
225	0.053	-0.034	0.295	0.001	0.002	-0.001
226	0.076	-0.010	6.883	0.008	0.014	0.001
227	0.080	-0.014	14.226	0.000	0.003	-0.003
228	0.000	-0.055	-0.011	0.000	0.000	0.000
229	-0.002	-0.001	0.050	0.000	0.000	0.000
230	0.088	-0.010	0.166	0.000	0.000	0.000
231	0.000	0.000	0.000	0.000	0.000	0.000
232	0.000	0.000	0.000	0.000	0.000	0.000
233	-0.013	0.015	16.576	0.012	-0.001	0.001
234	1.568	0.001	15.307	0.010	0.004	0.000
235	0.847	0.012	13.046	0.013	-0.001	0.003
236	0.853	-0.001	12.920	0.009	-0.001	-0.003
237	0.111	-0.013	2.889	0.008	0.014	0.000
238	-0.464	-0.012	9.630	0.012	-0.002	0.001
239	-0.002	-0.012	0.149	0.000	0.000	0.000
240	-0.002	-0.011	0.091	0.000	0.000	0.000
241	0.719	-0.108	2.790	0.007	-0.010	-0.002
242	1.730	-0.067	10.596	0.010	-0.009	0.002
243	0.098	-0.108	0.303	0.000	0.000	0.000
244	0.093	-0.072	0.235	0.000	0.000	0.000
245	0.000	-0.001	-0.129	0.000	0.000	0.000
246	0.008	-0.008	0.156	0.000	0.000	0.000
247	0.000	-0.001	0.106	0.000	0.000	0.000
248	-0.007	-0.001	0.085	0.000	0.000	0.000
249	-0.007	-0.007	0.145	0.000	0.000	0.000
250	0.000	0.000	0.000	0.000	0.000	0.000
251	0.007	-0.001	0.058	0.000	0.000	0.000
252	0.000	0.000	0.000	0.000	0.000	0.000
253	0.158	-0.009	2.833	0.008	0.014	0.000
254	-0.042	-0.001	-0.148	0.000	0.000	0.000
255	0.008	-0.012	10.896	0.012	0.003	0.003
256	0.043	-0.001	0.087	0.000	0.000	0.000
257	0.007	-0.008	0.100	0.000	0.000	0.000
258	-0.010	-0.009	2.713	0.007	-0.011	0.000
259	-0.520	-0.007	8.723	0.011	-0.001	0.001
260	-0.007	-0.010	0.225	0.000	0.000	0.000
261	-4.033	-2.834	9.126	0.004	0.019	0.007
262	-1.525	-1.338	14.987	0.006	0.002	-0.002
263	-1.604	1.284	14.162	-0.002	-0.006	-0.002
264	-4.347	2.815	8.609	0.003	-0.014	0.005
265	-0.853	0.363	14.474	0.006	-0.004	-0.002
266	-2.271	1.554	8.444	0.004	-0.015	0.003
267	-0.935	-0.598	15.287	0.001	0.006	-0.002
268	-1.871	-1.442	8.984	0.003	0.018	0.004
269	-4.248	2.666	14.282	-0.003	-0.006	-0.005
270	-8.648	6.225	12.687	-0.005	-0.010	-0.001
271	-13.402	8.366	10.276	-0.008	-0.015	0.009
272	-18.920	7.920	6.320	-0.008	-0.022	0.025
273	-1.130	0.589	15.704	0.001	-0.005	-0.003
274	-0.675	0.099	17.182	0.006	-0.005	0.000
275	-1.761	0.798	14.511	0.005	-0.004	-0.003
276	-3.118	2.276	12.778	0.004	-0.005	-0.002
277	-3.265	2.158	8.566	0.004	-0.015	0.004
278	-2.657	0.956	3.613	0.003	-0.012	0.004
279	-0.738	-0.309	17.539	0.003	0.005	-0.001
280	-1.884	-1.463	15.313	0.002	0.005	-0.002
281	-3.044	-2.763	13.861	0.001	0.007	-0.001
282	-2.781	-2.046	9.009	0.003	0.018	0.005
283	-2.106	-0.725	3.224	0.002	0.014	0.004
284	0.037	-0.001	-0.055	0.000	0.000	0.000
285	0.153	-0.009	2.704	0.008	0.014	0.000
286	0.000	-0.002	0.000	0.000	0.000	0.000
287	0.185	-0.009	2.664	0.018	0.003	-0.001
288	-0.009	-0.009	2.593	0.007	-0.011	0.000
289	-0.082	-0.007	2.047	0.013	-0.001	0.001
290	0.108	-0.013	2.757	0.008	0.014	0.000
291	-0.051	-0.011	2.225	0.015	-0.002	0.000
292	0.692	-0.108	2.671	0.007	-0.010	-0.002
293	0.729	-0.071	2.796	0.018	-0.009	-0.004
294	0.000	-0.001	0.000	0.000	0.000	0.000
295	0.000	-0.001	0.000	0.000	0.000	0.000
296	0.000	-0.002	0.000	0.000	0.000	0.000
297	0.000	-0.002	0.000	0.000	0.000	0.000
298	0.000	-0.001	0.000	0.000	0.000	0.000
299	0.000	-0.001	0.000	0.000	0.000	0.000
300	0.000	-0.002	0.000	0.000	0.000	0.000
301	-0.013	-0.008	0.055	0.000	0.000	0.000
302	-0.011	-0.003	0.038	0.000	0.000	0.000
303	-0.106	-0.007	0.108	0.000	0.000	0.000
304	-0.044	-0.003	0.076	0.000	0.000	0.000
305	-0.313	-0.001	0.160	0.000	0.000	0.001
306	-0.098	-0.002	0.114	0.000	0.000	0.000
307	-0.624	0.002	0.212	0.000	0.000	0.001
308	-0.170	0.000	0.151	0.000	0.000	0.000
309	-0.105	-0.006	0.209	0.000	0.000	0.000
310	0.015	-0.005	0.151	0.000	0.000	0.000

Node	X-Axis Transl'n	Y-Axis Transl'n	Z-Axis Transl'n	X-Axis Rotation	Y-Axis Rotation	Z-Axis Rotation
311	-0.062	-0.003	0.157	0.000	0.000	0.000
312	0.027	-0.003	0.113	0.000	0.000	0.000
313	-0.031	0.002	0.106	0.000	0.000	0.000
314	0.020	0.000	0.075	0.000	0.000	0.000
315	-0.009	0.006	0.054	0.000	0.000	0.000
316	0.008	0.002	0.038	0.000	0.000	0.000

MEMBER FORCES AND MOMENTS (kN,kNm)

Load case 1 (Linear): Self Weight

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
1	1	1.158	-0.090	0.021	0.014	-0.007	0.032
	12	0.606	-0.090	0.021	0.014	0.014	-0.058
2	2	0.017	0.002	0.001	0.000	-0.001	0.000
	4	0.013	-0.003	0.001	0.000	0.000	0.000
3	4	0.017	0.003	0.001	0.000	0.000	0.000
	5	0.014	-0.003	0.001	0.000	0.001	0.000
4	5	0.015	0.002	0.000	0.000	0.000	0.000
	234	0.012	-0.002	0.000	0.000	0.000	0.000
5	6	1.165	0.087	0.020	-0.014	-0.007	-0.031
	13	0.613	0.087	0.020	-0.014	0.013	0.056
6	7	0.025	0.003	-0.001	0.000	0.000	0.000
	8	0.021	-0.003	-0.001	0.000	0.000	0.000
7	8	0.025	0.002	-0.001	0.000	0.000	0.000
	9	0.021	-0.003	-0.001	0.000	0.000	0.000
8	9	0.017	0.002	-0.002	0.000	0.001	0.000
	233	0.014	-0.002	-0.002	0.000	0.000	0.000
9	13	0.061	0.000	0.001	0.000	0.000	0.000
	7	0.056	0.000	0.001	0.000	0.000	0.000
10	219	-0.033	0.003	-0.001	0.000	0.001	0.000
	260	-0.028	-0.003	-0.001	0.000	0.000	0.000
11	225	-0.036	0.003	0.000	0.000	0.000	0.000
	246	-0.031	-0.003	0.000	0.000	0.000	0.000
12	10	-0.001	0.000	0.000	0.000	0.000	0.001
	235	-0.001	-0.005	0.000	0.000	0.000	-0.001
13	7	-0.034	0.002	0.000	0.000	0.000	0.000
	239	-0.028	-0.003	0.000	0.000	0.000	0.000
14	12	0.048	0.000	0.000	0.000	0.000	0.000
	2	0.043	0.000	0.000	0.000	0.000	0.000
15	2	-0.027	0.002	0.001	0.000	-0.001	0.000
	243	-0.022	-0.003	0.001	0.000	0.000	0.000
16	11	0.549	-0.001	-0.003	0.001	0.000	0.000
	301	0.522	-0.001	-0.003	0.001	-0.001	0.000
17	15	0.008	0.000	0.000	0.000	0.000	0.000
	16	0.004	-0.005	0.000	0.000	0.000	-0.001
18	16	0.057	0.012	0.001	0.000	0.000	-0.004
	17	0.054	0.006	0.001	0.000	0.001	0.002
19	17	0.050	0.004	0.001	0.000	-0.001	0.000
	263	0.048	0.002	0.001	0.000	0.000	0.001
20	19	0.544	0.001	-0.003	-0.001	0.000	0.000
	302	0.516	0.001	-0.003	-0.001	-0.001	0.000
21	21	0.006	0.001	-0.001	0.000	0.001	0.000
	22	0.003	-0.004	-0.001	0.000	0.000	-0.001
22	22	0.051	0.011	-0.001	0.000	0.000	-0.003
	23	0.047	0.006	-0.001	0.000	0.000	0.002
23	23	0.046	0.004	-0.001	0.000	0.000	0.000
	262	0.044	0.001	-0.001	0.000	0.000	0.001
24	20	0.017	0.001	0.000	0.000	0.000	0.000
	21	0.011	0.001	0.000	0.000	0.000	0.000
25	17	0.002	0.001	0.001	0.000	0.000	0.002
	24	0.002	-0.010	0.001	0.000	0.000	-0.002
26	14	0.066	0.000	0.000	0.000	0.000	0.001
	16	0.055	-0.007	0.000	0.000	0.000	-0.002
27	24	0.004	0.010	-0.002	0.000	0.000	-0.002
	23	0.004	-0.001	-0.002	0.000	-0.002	0.002
28	18	-0.028	0.003	-0.003	0.000	0.002	-0.001
	24	-0.020	0.003	-0.003	0.000	0.000	0.000
29	14	0.020	0.000	0.000	0.000	0.000	0.000
	15	0.014	0.000	0.000	0.000	0.000	0.000
30	20	0.061	0.000	0.001	0.000	0.000	0.001
	22	0.050	-0.007	0.001	0.000	0.000	-0.002
31	25	0.582	0.000	0.000	0.001	0.000	0.000
	303	0.527	0.000	0.000	0.001	0.000	0.000
32	27	-0.001	-0.001	-0.001	0.000	0.001	0.000
	28	-0.004	-0.006	-0.001	0.000	0.000	-0.002
33	28	0.063	0.017	-0.001	0.000	0.000	-0.005
	264	0.062	0.015	-0.001	0.000	0.000	-0.003
34	29	0.056	0.006	-0.002	0.000	0.000	0.000
	269	0.054	0.004	-0.002	0.000	-0.001	0.002
35	31	0.576	0.000	0.000	-0.001	0.000	0.000
	304	0.521	0.000	0.000	-0.001	0.000	0.000
36	33	0.000	0.000	-0.001	0.000	0.001	0.000
	34	-0.004	-0.005	-0.001	0.000	0.000	-0.002
37	34	0.056	0.014	0.000	0.000	0.000	-0.004
	261	0.055	0.013	0.000	0.000	0.000	-0.002
38	35	0.047	0.003	0.000	0.000	0.000	0.000
	30	0.041	-0.006	0.000	0.000	0.000	-0.001
39	32	0.012	0.000	0.000	0.000	0.000	0.000
	33	0.006	0.000	0.000	0.000	0.000	0.000
40	29	0.001	0.000	0.000	0.000	0.000	0.003
	36	0.001	-0.012	0.000	0.000	0.000	-0.002
41	26	0.082	-0.001	0.000	0.000	0.000	0.002
	28	0.070	-0.008	0.000	0.000	0.000	-0.003
42	36	0.002	0.010	-0.001	0.000	0.000	-0.002
	35	0.002	-0.001	-0.001	0.000	-0.001	0.002
43	30	-0.030	0.002	-0.002	0.000	0.001	-0.001
	36	-0.022	0.002	-0.002	0.000	0.000	0.000
44	26	0.010	0.000	0.000	0.000	0.000	0.000
	27	0.005	0.000	0.000	0.000	0.000	0.000
45	32	0.074	-0.001	0.001	0.000	0.000	0.002
	34	0.063	-0.008	0.001	0.000	0.000	-0.003
46	37	0.585	0.000	0.000	0.001	0.000	0.000
	305	0.502	0.000	0.000	0.001	0.000	0.000
47	39	0.002	-0.001	-0.001	0.000	0.001	0.000
	40	-0.002	-0.006	-0.001	0.000	0.000	-0.002
48	40	0.065	0.017	-0.001	0.000	0.000	-0.005
	270	0.062	0.013	-0.001	0.000	0.000	0.003
49	41	0.046	0.002	0.000	0.000	0.000	0.001
	42	0.040	-0.007	0.000	0.000	0.000	-0.001
50	43	0.577	0.000	0.000	-0.001	0.000	0.000
	306	0.494	0.000	0.000	-0.001	0.000	0.000
51	45	-0.001	0.000	-0.001	0.000	0.001	0.000
	46	-0.004	-0.006	-0.001	0.000	0.000	-0.002
52	46	0.057	0.014	0.000	0.000	0.000	-0.004
	47	0.053	0.009	0.000	0.000	0.000	0.002
53	47	0.047	0.003	0.001	0.000	-0.001	0.000
	42	0.041	-0.006	0.001	0.000	0.000	-0.001
54	44	0.012	0.000	0.000	0.000	0.000	0.000
	45	0.007	0.000	0.000	0.000	0.000	0.000
55	41	0.001	0.000	0.000	0.000	0.000	0.002
	48	0.001	-0.011	0.000	0.000	0.000	-0.002
56	38	0.081	-0.001	0.000	0.000	0.000	0.001
	40	0.070	-0.007	0.000	0.000	0.000	-0.003
57	48	0.001	0.010	-0.001	0.000	0.000	-0.002
	47	0.001	-0.001	-0.001	0.000	-0.001	0.002
58	42	-0.029	0.001	-0.001	0.000	0.000	0.000
	48	-0.021	0.001	-0.001	0.000	0.000	0.000
59	38	0.015	0.000	0.000	0.000	0.000	0.000
	39	0.009	0.000	0.000	0.000	0.000	0.000
60	44	0.075	-0.001	0.001	0.000	0.000	0.002
	46	0.064	-0.008	0.001	0.000	0.000	-0.003
61	49	0.490	0.000	0.000	0.000	0.000	0.000
	307	0.379	0.000	0.000	0.000	0.000	0.000
62	51	-0.007	-0.001	0.001	0.000	0.000	0.000
	52	-0.011	-0.007	0.001	0.000	0.001	-0.002
63	52	0.063	0.021	0.001	0.000	0.001	-0.004
	271	0.062	0.020	0.001	0.000	0.001	-0.002
64	53	0.049	0.003	0.000	0.000	0.000	0.001
	54	0.042	-0.007	0.000	0.000	0.000	-0.001
65	55	0.483	0.000	0.000	0.000	0.000	0.000
	308	0.373	0.000	0.000	0.000	0.000	0.000
66	57	0.001	0.000	0.000	0.000	0.001	0.000
	58	-0.003	-0.006	0.000	0.000	0.000	-0.002
67	58	0.058	0.014	0.000	0.000	0.000	-0.004
	59	0.054	0.008	0.000	0.000	0.000	0.002
68	59	0.047	0.003	0.001	0.000	-0.001	0.000
	54	0.040	-0.006	0.001	0.000	0.000	-0.001
69	56	0.012	0.000	0.000	0.000	0.000	0.000
	57	0.007	0.000	0.000	0.000	0.000	0.000
70	53	0.004	0.001	0.000	0.000	0.000	0.002
	60	0.004	-0.010	0.000	0.000	0.000	-0.002
71	50	0.089	0.001	0.000	0.000	0.000	0.000
	52	0.078	-0.006	0.000	0.000	0.000	-0.002
72	60	0.005	0.010	-0.001	0.000	0.000	-0.002
	59	0.005	-0.002	-0.001	0.000	-0.001	0.002
73	54	-0.028	0.000	-0.001	0.000	0.000	0.000
	60	-0.020	0.000	-0.001	0.000	0.000	0.000
74	50	0.006	0.000	0.000	0.000	0.000	0.000
	51	0.000	0.000	0.000	0.000	0.000	0.000
75	56	0.074	-0.001	0.001	0.000	-0.001	0.002
	58	0.063	-0.008	0.001	0.000	0.000	-0.003
76	61	1.054	-0.161	-0.003	0.002	0.001	0.145
	62	0.502	-0.161	-0.003	0.002	-0.002	-0.017
77	63	0.002	0.001	0.001	0.000	0.000	0.000
	272	0.000	-0.002	0.001	0.000	0.000	0.000
78	64	0.058	0.014	-0.002	0.000	0.001	-0.004
	65	0.055	0.008	-0.002	0.000	-0.001	0.003

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
79	65	0.047	0.003	0.000	0.000	0.000	0.001
	66	0.041	-0.007	0.000	0.000	0.000	-0.001
80	67	1.049	0.159	-0.003	-0.003	0.001	-0.147
	68	0.497	0.159	-0.003	-0.003	-0.002	0.012
81	69	0.000	0.000	0.000	0.000	0.000	0.000
	70	-0.004	-0.006	0.000	0.000	0.000	-0.002
82	70	0.057	0.014	0.000	0.000	0.000	-0.004
	71	0.053	0.009	0.000	0.000	0.001	0.002
83	71	0.047	0.003	0.001	0.000	-0.001	0.001
	66	0.041	-0.007	0.001	0.000	0.000	-0.001
84	68	0.012	0.000	0.000	0.000	0.000	0.000
	69	0.007	0.000	0.000	0.000	0.000	0.000
85	65	0.002	0.001	0.000	0.000	-0.001	0.002
	72	0.002	-0.010	0.000	0.000	0.000	-0.002
86	62	0.075	0.002	0.000	0.000	0.000	0.000
	64	0.064	-0.005	0.000	0.000	0.000	-0.002
87	72	0.002	0.010	-0.001	0.000	0.000	-0.002
	71	0.002	-0.002	-0.001	0.000	-0.001	0.002
88	66	-0.028	0.000	-0.001	0.000	0.000	0.000
	72	-0.020	0.000	-0.001	0.000	0.000	0.000
89	62	0.015	0.000	0.000	0.000	0.000	0.000
	63	0.010	0.000	0.000	0.000	0.000	0.000
90	68	0.074	-0.001	0.001	0.000	0.000	0.002
	70	0.063	-0.008	0.001	0.000	0.000	-0.003
91	73	0.423	0.000	0.000	0.000	0.000	0.000
	74	0.285	0.000	0.000	0.000	0.000	0.000
92	75	0.006	0.000	0.000	0.000	0.000	0.000
	76	0.002	-0.006	0.000	0.000	0.000	-0.002
93	76	0.056	0.014	-0.001	0.000	0.000	-0.004
	77	0.053	0.008	-0.001	0.000	0.000	0.003
94	77	0.047	0.003	0.001	0.000	0.000	0.001
	78	0.040	-0.007	0.001	0.000	0.000	-0.001
95	79	0.424	0.000	0.000	0.000	0.000	0.000
	80	0.286	0.000	0.000	0.000	0.000	0.000
96	81	0.000	0.000	0.000	0.000	0.000	0.000
	82	-0.004	-0.006	0.000	0.000	0.000	-0.002
97	82	0.056	0.014	0.000	0.000	0.000	-0.004
	83	0.052	0.009	0.000	0.000	0.000	0.002
98	83	0.047	0.003	0.001	0.000	-0.001	0.001
	78	0.040	-0.007	0.001	0.000	0.000	-0.001
99	80	0.012	0.000	0.000	0.000	0.000	0.000
	81	0.006	0.000	0.000	0.000	0.000	0.000
100	77	0.001	0.001	0.000	0.000	-0.001	0.002
	84	0.001	-0.010	0.000	0.000	0.000	-0.002
101	74	0.069	0.001	0.000	0.000	0.000	0.000
	76	0.058	-0.006	0.000	0.000	0.000	-0.002
102	84	0.002	0.010	-0.001	0.000	0.000	-0.002
	83	0.002	-0.001	-0.001	0.000	-0.001	0.002
103	78	-0.028	0.000	-0.001	0.000	0.001	0.000
	84	-0.020	0.000	-0.001	0.000	0.000	0.000
104	74	0.015	0.000	0.000	0.000	0.000	0.000
	75	0.009	0.000	0.000	0.000	0.000	0.000
105	80	0.074	-0.001	0.000	0.000	0.000	0.001
	82	0.063	-0.008	0.000	0.000	0.000	-0.003
106	85	0.506	0.000	0.000	0.000	0.000	0.000
	86	0.368	0.000	0.000	0.000	0.000	0.000
107	87	0.001	0.000	0.000	0.000	0.000	0.000
	88	-0.003	-0.006	0.000	0.000	0.000	-0.002
108	88	0.055	0.014	-0.001	0.000	0.000	-0.004
	89	0.051	0.009	-0.001	0.000	0.000	0.003
109	89	0.047	0.003	0.000	0.000	0.000	0.001
	90	0.041	-0.007	0.000	0.000	0.000	-0.001
110	91	0.506	0.000	0.000	0.000	0.000	0.000
	92	0.369	0.000	0.000	0.000	0.000	0.000
111	93	-0.001	0.000	0.000	0.000	0.000	0.000
	94	-0.004	-0.006	0.000	0.000	0.000	-0.002
112	94	0.056	0.014	0.000	0.000	0.000	-0.004
	95	0.052	0.009	0.000	0.000	0.000	0.003
113	95	0.047	0.003	0.001	0.000	-0.001	0.001
	90	0.041	-0.007	0.001	0.000	0.000	-0.001
114	92	0.012	0.000	0.000	0.000	0.000	0.000
	93	0.006	0.000	0.000	0.000	0.000	0.000
115	89	0.000	0.001	0.000	0.000	-0.001	0.002
	96	0.000	-0.010	0.000	0.000	0.000	-0.002
116	86	0.072	0.000	0.000	0.000	0.000	0.000
	88	0.061	-0.006	0.000	0.000	0.000	-0.002
117	96	0.000	0.010	-0.001	0.000	0.000	-0.002
	95	0.000	-0.001	-0.001	0.000	-0.001	0.002
118	90	-0.028	0.000	-0.001	0.000	0.000	0.000
	96	-0.020	0.000	-0.001	0.000	0.000	0.000
119	86	0.012	0.000	0.000	0.000	0.000	0.000
	87	0.007	0.000	0.000	0.000	0.000	0.000
120	92	0.074	-0.001	0.000	0.000	0.000	0.001
	94	0.063	-0.007	0.000	0.000	0.000	-0.003
121	97	0.424	0.000	0.000	0.000	0.000	0.000
	98	0.286	0.000	0.000	0.000	0.000	0.000
122	99	0.000	0.000	-0.001	0.000	0.001	0.000
	100	-0.004	-0.006	-0.001	0.000	0.000	-0.002
123	100	0.055	0.015	-0.001	0.000	0.000	-0.004
	101	0.051	0.009	-0.001	0.000	0.000	0.003
124	101	0.047	0.003	0.000	0.000	0.000	0.001
	102	0.041	-0.007	0.000	0.000	0.000	-0.001
125	103	0.425	0.000	0.000	0.000	0.000	0.000
	104	0.287	0.000	0.000	0.000	0.000	0.000
126	105	-0.001	0.000	0.000	0.000	0.000	0.000
	106	-0.004	-0.006	0.000	0.000	0.000	-0.002
127	106	0.056	0.014	0.000	0.000	0.000	-0.004
	107	0.052	0.009	0.000	0.000	0.000	0.003
128	107	0.047	0.003	0.001	0.000	-0.001	0.001
	102	0.041	-0.007	0.001	0.000	0.000	-0.001
129	104	0.011	0.000	0.000	0.000	0.000	0.000
	105	0.006	0.000	0.000	0.000	0.000	0.000
130	101	0.000	0.001	0.000	0.000	0.000	0.002
	108	0.000	-0.010	0.000	0.000	0.000	-0.002
131	98	0.073	0.000	0.000	0.000	0.000	0.001
	100	0.062	-0.007	0.000	0.000	0.000	-0.002
132	108	0.000	0.010	-0.001	0.000	0.000	-0.002
	107	0.000	-0.001	-0.001	0.000	-0.001	0.002
133	102	-0.028	0.000	-0.001	0.000	0.000	0.000
	108	-0.020	0.000	-0.001	0.000	0.000	0.000
134	98	0.012	0.000	0.000	0.000	0.000	0.000
	99	0.006	0.000	0.000	0.000	0.000	0.000
135	104	0.074	0.000	0.000	0.000	0.000	0.001
	106	0.063	-0.007	0.000	0.000	0.000	-0.003
136	109	1.013	-0.150	0.000	0.000	0.000	0.147
	110	0.461	-0.150	0.000	0.000	0.000	-0.003
137	111	0.000	0.000	-0.001	0.000	0.001	0.000
	112	-0.004	-0.006	-0.001	0.000	0.000	-0.002
138	112	0.056	0.015	-0.001	0.000	0.000	-0.004
	113	0.052	0.009	-0.001	0.000	0.000	0.003
139	113	0.048	0.003	0.000	0.000	0.000	0.001
	114	0.041	-0.007	0.000	0.000	0.000	-0.001
140	115	1.013	0.154	0.000	0.000	0.000	-0.152
	116	0.461	0.154	0.000	0.000	0.000	0.002
141	117	-0.001	0.000	0.000	0.000	0.000	0.000
	118	-0.004	-0.006	0.000	0.000	0.000	-0.002
142	118	0.056	0.015	0.000	0.000	0.000	-0.004
	119	0.052	0.009	0.000	0.000	0.000	0.003
143	119	0.048	0.003	0.001	0.000	-0.001	0.001
	114	0.041	-0.007	0.001	0.000	0.000	-0.001
144	116	0.012	0.000	0.000	0.000	0.000	0.000
	117	0.006	0.000	0.000	0.000	0.000	0.000
145	113	0.000	0.001	0.000	0.000	0.000	0.002
	120	0.000	-0.010	0.000	0.000	0.000	-0.002
146	110	0.074	0.000	0.000	0.000	0.000	0.001
	112	0.062	-0.007	0.000	0.000	0.000	-0.003
147	120	0.000	0.010	-0.001	0.000	0.000	-0.002
	119	0.000	-0.001	-0.001	0.000	-0.001	0.002
148	114	-0.028	0.000	-0.001	0.000	0.000	0.000
	120	-0.021	0.000	-0.001	0.000	0.000	0.000
149	110	0.012	0.000	0.000	0.000	0.000	0.000
	111	0.007	0.000	0.000	0.000	0.000	0.000
150	116	0.075	0.000	0.000	0.000	0.000	0.001
	118	0.063	-0.007	0.000	0.000	0.000	-0.003
151	121	0.424	0.000	0.000	0.000	0.000	0.000
	122	0.286	0.000	0.000	0.000	0.000	0.000
152	123	0.000	0.000	-0.001	0.000	0.001	0.000
	124	-0.004	-0.006	-0.001	0.000	0.000	-0.002
153	124	0.055	0.015	-0.001	0.000	0.000	-0.004
	125	0.051	0.009	-0.001	0.000	0.000	0.003
154	125	0.047	0.003	0.000	0.000	0.000	0.001
	126	0.041	-0.007	0.000	0.000	0.000	-0.001
155	127	0.424	0.000	0.000	0.000	0.000	0.000
	128	0.287	0.000	0.000	0.000	0.000	0.000
156	129	0.000	0.000	0.000	0.000	0.000	0.000
	130	-0.004	-0.006	0.000	0.000	0.000	-0.002
157	130	0.055	0.015	0.000	0.000	0.000	-0.004
	131	0.052	0.009	0.000	0.000	0.000	0.003
158	131	0.047	0.003	0.001	0.000	-0.001	0.001
	126	0.041	-0.007	0.001	0.000	0.000	-0.001
159	128	0.011	0.000	0.000	0.000	0.000	0.000
	129	0.006	0.000	0.000	0.000	0.000	0.000
160	125	0.000	0.001	0.000	0.000	0.000	0.002
	132	0.000	-0.010	0.000	0.000	0.000	-0.002
161	122	0.073	0.000	0.000	0.000	0.000	0.001
	124	0.062	-0.007	0.000	0.000	0.000	-0.003

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
162	132	0.000	0.010	-0.001	0.000	0.000	-0.002
	131	0.000	-0.001	-0.001	0.000	-0.001	0.002
163	126	-0.028	0.000	-0.001	0.000	0.000	0.000
	132	-0.020	0.000	-0.001	0.000	0.000	0.000
164	122	0.012	0.000	0.000	0.000	0.000	0.000
	123	0.006	0.000	0.000	0.000	0.000	0.000
165	128	0.074	0.000	0.000	0.000	0.000	0.001
	130	0.063	-0.007	0.000	0.000	0.000	-0.003
166	133	0.506	0.000	0.000	0.000	0.000	0.000
	134	0.368	0.000	0.000	0.000	0.000	0.000
167	135	0.000	0.000	-0.001	0.000	0.001	0.000
	136	-0.004	-0.006	-0.001	0.000	0.000	-0.002
168	136	0.055	0.014	-0.001	0.000	0.000	-0.004
	137	0.052	0.009	-0.001	0.000	0.000	0.003
169	137	0.047	0.003	0.000	0.000	0.000	0.001
	138	0.041	-0.007	0.000	0.000	0.000	-0.001
170	139	0.506	0.000	0.000	0.000	0.000	0.000
	140	0.368	0.000	0.000	0.000	0.000	0.000
171	141	0.000	0.000	0.000	0.000	0.000	0.000
	142	-0.004	-0.006	0.000	0.000	0.000	-0.002
172	142	0.055	0.014	0.000	0.000	0.000	-0.004
	143	0.052	0.009	0.000	0.000	0.000	0.003
173	143	0.047	0.003	0.001	0.000	-0.001	0.001
	138	0.041	-0.007	0.001	0.000	0.000	-0.001
174	140	0.012	0.000	0.000	0.000	0.000	0.000
	141	0.006	0.000	0.000	0.000	0.000	0.000
175	137	0.000	0.001	0.000	0.000	0.000	0.002
	144	0.000	-0.010	0.000	0.000	0.000	-0.002
176	134	0.073	0.000	0.000	0.000	0.000	0.001
	136	0.062	-0.007	0.000	0.000	0.000	-0.003
177	144	0.000	0.010	-0.001	0.000	0.000	-0.002
	143	0.000	-0.001	-0.001	0.000	-0.001	0.002
178	138	-0.028	0.000	-0.001	0.000	0.000	0.000
	144	-0.020	0.000	-0.001	0.000	0.000	0.000
179	134	0.012	0.000	0.000	0.000	0.000	0.000
	135	0.007	0.000	0.000	0.000	0.000	0.000
180	140	0.073	0.000	0.000	0.000	0.000	0.001
	142	0.062	-0.007	0.000	0.000	0.000	-0.003
181	145	0.424	0.000	0.000	0.000	0.000	0.000
	146	0.286	0.000	0.000	0.000	0.000	0.000
182	147	0.000	0.000	-0.001	0.000	0.001	0.000
	148	-0.004	-0.006	-0.001	0.000	0.000	-0.002
183	148	0.055	0.015	-0.001	0.000	0.000	-0.004
	149	0.052	0.009	-0.001	0.000	0.000	0.003
184	149	0.047	0.003	0.000	0.000	0.000	0.001
	150	0.041	-0.007	0.000	0.000	0.000	-0.001
185	151	0.424	0.000	0.000	0.000	0.000	0.000
	152	0.286	0.000	0.000	0.000	0.000	0.000
186	153	0.000	0.000	0.000	0.000	0.000	0.000
	154	-0.004	-0.006	0.000	0.000	0.000	-0.002
187	154	0.055	0.014	0.000	0.000	0.000	-0.004
	155	0.052	0.009	0.000	0.000	0.000	0.003
188	155	0.047	0.003	0.001	0.000	-0.001	0.001
	150	0.041	-0.007	0.001	0.000	0.000	-0.001
189	152	0.012	0.000	0.000	0.000	0.000	0.000
	153	0.006	0.000	0.000	0.000	0.000	0.000
190	149	0.000	0.001	0.000	0.000	0.000	0.002
	156	0.000	-0.010	0.000	0.000	0.000	-0.002
191	146	0.073	0.000	0.000	0.000	0.000	0.001
	148	0.062	-0.007	0.000	0.000	0.000	-0.003
192	156	0.000	0.010	-0.001	0.000	0.000	-0.002
	155	0.000	-0.001	-0.001	0.000	-0.001	0.002
193	150	-0.028	0.000	-0.001	0.000	0.000	0.000
	156	-0.020	0.000	-0.001	0.000	0.000	0.000
194	146	0.012	0.000	0.000	0.000	0.000	0.000
	147	0.006	0.000	0.000	0.000	0.000	0.000
195	152	0.074	0.000	0.000	0.000	0.000	0.001
	154	0.063	-0.007	0.000	0.000	0.000	-0.003
196	157	1.049	-0.156	0.003	-0.003	-0.001	0.142
	158	0.497	-0.156	0.003	-0.003	0.002	-0.014
197	159	0.000	0.000	-0.001	0.000	0.001	0.000
	278	-0.002	-0.004	-0.001	0.000	0.000	-0.001
198	160	0.056	0.015	-0.001	0.000	0.000	-0.004
	161	0.052	0.009	-0.001	0.000	0.000	0.003
199	161	0.048	0.003	0.000	0.000	0.000	0.001
	162	0.041	-0.007	0.000	0.000	0.000	-0.001
200	163	1.048	0.155	0.003	0.004	-0.001	-0.142
	164	0.497	0.155	0.003	0.004	0.002	0.013
201	165	0.000	0.000	0.000	0.000	0.000	0.000
	283	-0.003	-0.004	0.000	0.000	0.000	-0.001
202	166	0.056	0.015	0.000	0.000	0.000	-0.004
	167	0.052	0.009	0.000	0.000	0.000	0.003
203	167	0.047	0.003	0.001	0.000	-0.001	0.001
	162	0.041	-0.007	0.001	0.000	0.000	-0.001
204	164	0.012	0.000	0.000	0.000	0.000	0.000
	165	0.006	0.000	0.000	0.000	0.000	0.000
205	161	0.000	0.001	0.000	0.000	0.000	0.002
	168	0.000	-0.010	0.000	0.000	0.000	-0.002
206	158	0.074	0.000	0.000	0.000	0.000	0.001
	160	0.062	-0.007	0.000	0.000	0.000	-0.003
207	168	0.000	0.010	-0.001	0.000	0.000	-0.002
	167	0.000	-0.001	-0.001	0.000	-0.001	0.002
208	162	-0.028	0.000	-0.001	0.000	0.000	0.000
	168	-0.020	0.000	-0.001	0.000	0.000	0.000
209	158	0.012	0.000	0.000	0.000	0.000	0.000
	159	0.007	0.000	0.000	0.000	0.000	0.000
210	164	0.074	0.000	0.000	0.000	0.000	0.001
	166	0.063	-0.007	0.000	0.000	0.000	-0.003
211	169	0.483	0.000	0.000	0.000	0.000	0.000
	309	0.372	0.000	0.000	0.000	0.000	0.000
212	171	0.000	0.000	-0.001	0.000	0.001	0.000
	172	-0.004	-0.006	-0.001	0.000	0.000	-0.002
213	172	0.056	0.014	-0.001	0.000	0.000	-0.004
	277	0.055	0.013	-0.001	0.000	0.000	-0.002
214	173	0.047	0.003	0.000	0.000	0.000	0.001
	174	0.041	-0.007	0.000	0.000	0.000	-0.001
215	175	0.483	0.000	0.000	0.000	0.000	0.000
	310	0.372	0.000	0.000	0.000	0.000	0.000
216	177	-0.001	0.000	0.000	0.000	0.000	0.000
	178	-0.004	-0.006	0.000	0.000	0.000	-0.002
217	178	0.056	0.014	0.000	0.000	0.000	-0.004
	282	0.055	0.013	0.000	0.000	0.000	-0.002
218	179	0.047	0.003	0.001	0.000	-0.001	0.001
	174	0.041	-0.007	0.001	0.000	0.000	-0.001
219	176	0.012	0.000	0.000	0.000	0.000	0.000
	177	0.006	0.000	0.000	0.000	0.000	0.000
220	173	0.000	0.001	0.000	0.000	0.000	0.002
	180	0.000	-0.010	0.000	0.000	0.000	-0.002
221	170	0.074	0.000	0.000	0.000	0.000	0.001
	172	0.062	-0.007	0.000	0.000	0.000	-0.003
222	180	0.000	0.010	-0.001	0.000	0.000	-0.002
	179	0.000	-0.001	-0.001	0.000	-0.001	0.002
223	174	-0.028	0.000	-0.001	0.000	0.000	0.000
	180	-0.020	0.000	-0.001	0.000	0.000	0.000
224	170	0.012	0.000	0.000	0.000	0.000	0.000
	171	0.006	0.000	0.000	0.000	0.000	0.000
225	176	0.074	0.000	0.000	0.000	0.000	0.001
	178	0.063	-0.007	0.000	0.000	0.000	-0.003
226	181	0.576	0.000	0.000	-0.001	0.000	0.000
	311	0.493	0.000	0.000	-0.001	0.000	0.000
227	183	0.000	0.000	-0.001	0.000	0.001	0.000
	184	-0.004	-0.006	-0.001	0.000	0.000	-0.002
228	184	0.056	0.014	-0.001	0.000	0.000	-0.004
	276	0.053	0.010	-0.001	0.000	0.000	0.002
229	185	0.047	0.003	0.000	0.000	0.000	0.001
	186	0.041	-0.007	0.000	0.000	0.000	-0.001
230	187	0.576	0.000	0.000	0.001	0.000	0.000
	312	0.493	0.000	0.000	0.001	0.000	0.000
231	189	0.000	0.000	0.000	0.000	0.000	0.000
	190	-0.004	-0.006	0.000	0.000	0.000	-0.002
232	190	0.056	0.014	0.000	0.000	0.000	-0.004
	281	0.053	0.010	0.000	0.000	0.000	0.002
233	191	0.047	0.003	0.001	0.000	-0.001	0.001
	186	0.041	-0.007	0.001	0.000	0.000	-0.001
234	188	0.012	0.000	0.000	0.000	0.000	0.000
	189	0.006	0.000	0.000	0.000	0.000	0.000
235	185	0.001	0.001	0.000	0.000	0.000	0.002
	192	0.001	-0.010	0.000	0.000	0.000	-0.002
236	182	0.074	-0.001	0.000	0.000	0.000	0.001
	184	0.063	-0.007	0.000	0.000	0.000	-0.003
237	192	0.001	0.010	-0.001	0.000	0.000	-0.002
	191	0.001	-0.001	-0.001	0.000	-0.001	0.002
238	186	-0.028	0.000	-0.001	0.000	0.000	0.000
	192	-0.020	0.000	-0.001	0.000	0.000	0.000
239	182	0.012	0.000	0.000	0.000	0.000	0.000
	183	0.006	0.000	0.000	0.000	0.000	0.000
240	188	0.074	-0.001	0.000	0.000	0.000	0.001
	190	0.063	-0.007	0.000	0.000	0.000	-0.003
241	193	0.575	0.000	0.000	-0.001	0.000	0.000
	313	0.520	0.000	0.000	-0.001	0.000	0.000
242	195	-0.001	0.000	-0.001	0.000	0.001	0.000
	196	-0.005	-0.005	-0.001	0.000	0.000	-0.002
243	196	0.054	0.014	-0.001	0.000	0.000	-0.004
	266	0.053	0.013	-0.001	0.000	0.000	-0.002
244	197	0.045	0.003	0.000	0.000	0.000	0.001
	275	0.043	0.000	0.000	0.000	0.000	0.001

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
245	199	0.575	0.000	0.000	0.001	0.000	0.000
	314	0.520	0.000	0.000	0.001	0.000	0.000
246	201	-0.001	0.000	0.000	0.000	0.000	0.000
	202	-0.004	-0.006	0.000	0.000	0.000	-0.002
247	202	0.054	0.014	0.000	0.000	0.000	-0.004
	268	0.054	0.013	0.000	0.000	0.000	-0.002
248	203	0.045	0.003	0.001	0.000	-0.001	0.001
	280	0.043	0.000	0.001	0.000	-0.001	0.001
249	200	0.012	0.000	0.000	0.000	0.000	0.000
	201	0.006	0.000	0.000	0.000	0.000	0.000
250	197	0.002	0.001	0.000	0.000	0.000	0.002
	204	0.002	-0.010	0.000	0.000	-0.001	-0.002
251	194	0.073	-0.001	0.000	0.000	0.000	0.001
	196	0.061	-0.008	0.000	0.000	0.000	-0.003
252	204	0.002	0.010	0.000	0.000	-0.001	-0.002
	203	0.002	-0.002	0.000	0.000	-0.001	0.002
253	198	-0.027	0.000	0.000	0.000	0.000	0.000
	204	-0.020	0.000	0.000	0.000	0.000	0.000
254	194	0.011	0.000	0.000	0.000	0.000	0.000
	195	0.005	0.000	0.000	0.000	0.000	0.000
255	200	0.073	-0.001	0.000	0.000	0.000	0.001
	202	0.061	-0.007	0.000	0.000	0.000	-0.003
256	205	0.545	-0.001	0.003	-0.001	0.000	0.000
	315	0.517	-0.001	0.003	-0.001	0.001	0.000
257	207	0.009	0.001	-0.001	0.000	0.001	0.000
	208	0.005	-0.004	-0.001	0.000	0.000	-0.001
258	208	0.052	0.011	-0.001	0.000	0.000	-0.003
	209	0.048	0.005	-0.001	0.000	0.000	0.002
259	209	0.040	0.004	-0.001	0.000	0.000	0.000
	265	0.038	0.001	-0.001	0.000	0.000	0.001
260	211	0.544	0.003	0.003	0.001	0.000	0.000
	316	0.517	0.003	0.003	0.001	0.001	0.001
261	213	0.006	0.001	0.001	0.000	0.000	0.000
	214	0.003	-0.005	0.001	0.000	0.000	-0.001
262	214	0.050	0.010	0.001	0.000	0.000	-0.003
	215	0.046	0.005	0.001	0.000	0.001	0.001
263	215	0.040	0.003	0.002	0.000	-0.001	0.000
	267	0.038	0.000	0.002	0.000	-0.001	0.001
264	212	0.014	0.000	0.000	0.000	0.000	0.000
	213	0.009	0.000	0.000	0.000	0.000	0.000
265	209	0.009	0.002	-0.001	0.000	0.000	0.001
	216	0.009	-0.009	-0.001	0.000	-0.001	-0.001
266	206	0.059	0.000	0.000	0.000	0.000	0.001
	208	0.048	-0.006	0.000	0.000	0.000	-0.002
267	216	0.008	0.008	0.000	0.000	-0.001	-0.001
	215	0.008	-0.003	0.000	0.000	0.000	0.001
268	210	-0.025	-0.001	0.002	0.000	-0.001	0.001
	216	-0.017	-0.001	0.002	0.000	0.000	0.000
269	206	0.023	-0.001	0.001	0.000	0.000	0.000
	207	0.018	-0.001	0.001	0.000	0.000	0.000
270	212	0.060	0.000	0.000	0.000	0.000	0.001
	214	0.049	-0.006	0.000	0.000	0.000	-0.002
271	217	1.163	-0.088	-0.020	-0.013	0.007	0.032
	218	0.611	-0.088	-0.020	-0.013	-0.013	-0.056
272	219	0.023	0.003	-0.001	0.000	0.001	0.000
	220	0.020	-0.002	-0.001	0.000	0.000	0.000
273	220	0.023	0.002	-0.001	0.000	0.000	0.000
	221	0.019	-0.004	-0.001	0.000	0.000	-0.001
274	221	0.021	0.005	-0.002	0.000	0.001	-0.001
	222	0.015	-0.005	-0.002	0.000	-0.001	-0.001
275	223	1.164	0.088	-0.020	0.013	0.007	-0.032
	224	0.612	0.088	-0.020	0.013	-0.013	0.057
276	225	0.025	0.002	0.002	0.000	-0.001	0.000
	226	0.022	-0.003	0.002	0.000	0.000	0.000
277	226	0.025	0.002	0.002	0.000	0.000	0.000
	227	0.022	-0.003	0.002	0.000	0.001	-0.001
278	227	0.021	0.005	0.001	0.000	-0.001	-0.001
	222	0.015	-0.005	0.001	0.000	0.001	-0.001
279	224	0.059	0.000	0.000	0.000	0.000	0.000
	225	0.053	0.000	0.000	0.000	0.000	0.000
280	3	-0.002	0.004	0.000	0.000	0.000	0.000
	273	0.000	-0.002	0.000	0.000	0.000	0.000
281	269	0.046	-0.002	0.001	0.000	-0.001	0.002
	30	0.042	-0.008	0.001	0.000	0.000	-0.002
282	269	-0.005	0.004	-0.001	0.000	0.000	0.000
	270	-0.002	-0.003	-0.001	0.000	-0.001	0.001
283	270	0.049	0.008	0.013	0.000	-0.002	0.003
	41	0.048	0.008	0.013	0.000	-0.001	0.003
284	218	0.059	0.000	0.000	0.000	0.000	0.000
	219	0.053	0.000	0.000	0.000	0.000	0.000
285	225	-0.005	0.002	0.001	0.000	0.000	0.000
	212	0.000	-0.003	0.001	0.000	0.000	0.000
286	225	0.001	0.005	-0.004	0.000	0.001	-0.001
	213	0.001	-0.002	-0.004	0.000	-0.001	0.000
287	224	-0.004	0.149	-0.082	-0.024	0.044	-0.011
	212	-0.004	-0.127	-0.082	-0.024	0.003	-0.005
288	21	0.005	0.003	0.004	0.000	-0.001	0.000
	7	0.005	-0.004	0.004	0.000	0.001	0.000
289	20	-0.005	0.128	0.086	0.026	0.003	-0.006
	13	-0.005	-0.147	0.086	0.026	0.046	-0.011
290	33	0.004	0.003	0.000	0.000	-0.001	0.000
	21	0.004	-0.004	0.000	0.000	0.000	0.000
291	32	-0.010	0.150	0.053	0.024	-0.022	-0.012
	20	-0.010	-0.126	0.053	0.024	0.004	-0.006
292	45	0.003	0.003	0.001	0.000	0.000	0.000
	33	0.003	-0.004	0.001	0.000	0.000	0.000
293	44	-0.008	0.135	0.013	0.022	-0.028	-0.010
	32	-0.008	-0.140	0.013	0.022	-0.021	-0.011
294	57	0.002	0.003	0.001	0.000	0.000	0.000
	45	0.002	-0.004	0.001	0.000	0.000	0.000
295	56	-0.005	0.121	-0.025	0.021	-0.015	-0.001
	44	-0.005	-0.155	-0.025	0.021	-0.027	-0.010
296	69	0.002	0.003	0.001	0.000	0.000	0.000
	57	0.002	-0.004	0.001	0.000	0.000	0.000
297	68	0.004	0.204	-0.063	0.019	0.017	-0.034
	56	0.004	-0.072	-0.063	0.019	-0.015	-0.001
298	81	0.002	0.003	0.001	0.000	0.000	0.000
	69	0.002	-0.004	0.001	0.000	0.000	0.000
299	80	0.014	0.082	0.056	0.005	-0.008	-0.004
	68	0.014	-0.194	0.056	0.005	0.020	-0.032
300	93	0.002	0.003	0.001	0.000	0.000	0.000
	81	0.002	-0.004	0.001	0.000	0.000	0.000
301	92	0.015	0.147	0.018	0.003	-0.017	-0.008
	80	0.015	-0.129	0.018	0.003	-0.008	-0.004
302	105	0.001	0.003	0.001	0.000	0.000	0.000
	93	0.001	-0.004	0.001	0.000	0.000	0.000
303	104	0.015	0.129	-0.021	0.002	-0.007	-0.004
	92	0.015	-0.147	-0.021	0.002	-0.017	-0.008
304	117	0.001	0.003	0.001	0.000	0.000	0.000
	105	0.001	-0.004	0.001	0.000	0.000	0.000
305	116	0.015	0.193	-0.059	0.001	0.022	-0.031
	104	0.015	-0.083	-0.059	0.001	-0.007	-0.003
306	129	0.001	0.003	0.001	0.000	0.000	0.000
	117	0.001	-0.004	0.001	0.000	0.000	0.000
307	128	0.015	0.083	0.057	-0.002	-0.007	-0.003
	116	0.015	-0.193	0.057	-0.002	0.022	-0.031
308	141	0.001	0.003	0.001	0.000	0.000	0.000
	129	0.001	-0.004	0.001	0.000	0.000	0.000
309	140	0.015	0.147	0.019	-0.003	-0.016	-0.008
	128	0.015	-0.129	0.019	-0.003	-0.007	-0.003
310	153	0.001	0.003	0.001	0.000	0.000	0.000
	141	0.001	-0.004	0.001	0.000	0.000	0.000
311	152	0.015	0.129	-0.018	-0.004	-0.007	-0.004
	140	0.015	-0.146	-0.018	-0.004	-0.016	-0.008
312	165	0.000	0.003	0.001	0.000	0.000	0.000
	153	0.000	-0.004	0.001	0.000	0.000	0.000
313	164	0.015	0.194	-0.056	-0.005	0.020	-0.032
	152	0.015	-0.081	-0.056	-0.005	-0.008	-0.004
314	177	0.000	0.003	0.001	0.000	0.000	0.000
	165	0.000	-0.004	0.001	0.000	0.000	0.000
315	176	0.005	0.073	0.061	-0.019	-0.014	-0.001
	164	0.005	-0.203	0.061	-0.019	0.017	-0.033
316	189	0.000	0.003	0.001	0.000	0.000	0.000
	177	0.000	-0.004	0.001	0.000	0.000	0.000
317	188	-0.003	0.156	0.024	-0.020	-0.026	-0.010
	176	-0.003	-0.119	0.024	-0.020	-0.014	-0.001
318	201	0.000	0.003	0.001	0.000	0.000	0.000
	189	0.000	-0.004	0.001	0.000	0.000	0.000
319	200	-0.005	0.142	-0.014	-0.022	-0.020	-0.012
	188	-0.005	-0.134	-0.014	-0.022	-0.027	-0.010
320	213	-0.001	0.003	0.001	0.000	-0.001	0.000
	201	-0.001	-0.004	0.001	0.000	0.000	0.000
321	212	-0.006	0.127	-0.051	-0.023	0.004	-0.006
	200	-0.006	-0.148	-0.051	-0.023	-0.021	-0.011
322	222	0.003	0.008	0.000	0.000	0.000	-0.001
	210	0.003	0.002	0.000	0.000	0.000	0.002
323	18	0.003	-0.001	0.002	0.000	-0.001	0.002
	3	0.003	-0.008	0.002	0.000	0.000	-0.001
324	30	0.007	0.001	0.000	0.000	0.000	0.001
	18	0.007	-0.006	0.000	0.000	0.000	0.000
325	42	0.009	0.003	0.000	0.000	0.000	0.000
	30	0.009	-0.004	0.000	0.000	0.000	0.000
326	54	0.009	0.004	0.001	0.000	0.000	0.000
	42	0.009	-0.003	0.001	0.000	0.000	0.000
327	66	0.009	0.003	0.000	0.000	0.000	0.000
	54	0.009	-0.004	0.000	0.000	0.000	0.000

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
328	78	0.009	0.002	-0.001	0.000	0.000	0.000
	66	0.009	-0.004	-0.001	0.000	0.000	0.000
329	90	0.010	0.003	-0.001	0.000	0.000	0.000
	78	0.010	-0.004	-0.001	0.000	0.000	0.000
330	102	0.010	0.003	0.000	0.000	0.000	0.000
	90	0.010	-0.004	0.000	0.000	0.000	0.000
331	114	0.010	0.003	0.000	0.000	0.000	0.000
	102	0.010	-0.004	0.000	0.000	0.000	0.000
332	126	0.010	0.003	0.000	0.000	0.000	0.000
	114	0.010	-0.004	0.000	0.000	0.000	0.000
333	138	0.010	0.003	0.000	0.000	0.000	0.000
	126	0.010	-0.004	0.000	0.000	0.000	0.000
334	150	0.010	0.003	0.000	0.000	0.000	0.000
	138	0.010	-0.004	0.000	0.000	0.000	0.000
335	162	0.010	0.003	0.000	0.000	0.000	0.000
	150	0.010	-0.004	0.000	0.000	0.000	0.000
336	174	0.010	0.003	0.000	0.000	0.000	0.000
	162	0.010	-0.004	0.000	0.000	0.000	0.000
337	186	0.010	0.003	0.000	0.000	0.000	0.000
	174	0.010	-0.004	0.000	0.000	0.000	0.000
338	198	0.009	0.003	0.000	0.000	0.000	0.000
	186	0.009	-0.004	0.000	0.000	0.000	0.000
339	210	0.008	0.005	0.000	0.000	0.000	0.000
	198	0.008	-0.002	0.000	0.000	0.000	0.001
340	219	0.006	0.000	0.006	0.000	-0.001	0.001
	207	0.006	-0.007	0.006	0.000	0.002	-0.001
341	218	-0.003	0.148	0.084	0.024	-0.044	-0.011
	206	-0.003	-0.128	0.084	0.024	-0.002	-0.006
342	15	0.003	0.006	-0.005	0.000	0.001	-0.001
	2	0.003	-0.001	-0.005	0.000	-0.001	0.000
343	14	-0.003	0.126	-0.092	-0.024	-0.002	-0.005
	12	-0.003	-0.150	-0.092	-0.024	-0.048	-0.011
344	27	0.003	0.003	0.002	0.000	0.000	-0.001
	15	0.003	-0.004	0.002	0.000	0.001	-0.001
345	26	-0.009	0.150	-0.057	-0.023	0.025	-0.012
	14	-0.009	-0.126	-0.057	-0.023	-0.004	-0.006
346	39	0.004	0.004	0.002	0.000	0.000	-0.001
	27	0.004	-0.003	0.002	0.000	0.001	0.000
347	38	-0.009	0.134	-0.014	-0.021	0.031	-0.010
	26	-0.009	-0.142	-0.014	-0.021	0.024	-0.012
348	51	0.006	0.002	0.003	0.000	-0.001	0.000
	39	0.006	-0.004	0.003	0.000	0.001	0.000
349	50	-0.007	0.120	0.028	-0.020	0.016	-0.001
	38	-0.007	-0.156	0.028	-0.020	0.030	-0.010
350	63	0.004	0.004	-0.001	0.000	0.000	0.000
	51	0.004	-0.002	-0.001	0.000	-0.001	0.000
351	62	0.002	0.204	0.071	-0.020	-0.019	-0.034
	50	0.002	-0.072	0.071	-0.020	0.016	-0.001
352	75	0.003	0.003	0.000	0.000	0.000	0.000
	63	0.003	-0.004	0.000	0.000	0.000	0.000
353	74	0.013	0.082	-0.053	-0.003	0.005	-0.004
	62	0.013	-0.194	-0.053	-0.003	-0.021	-0.032
354	87	-0.005	0.004	0.000	0.000	0.000	0.000
	75	-0.005	-0.003	0.000	0.000	0.000	0.000
355	86	0.013	0.147	-0.018	-0.003	0.015	-0.008
	74	0.013	-0.129	-0.018	-0.003	0.005	-0.004
356	99	-0.004	0.004	0.001	0.000	0.000	0.000
	87	-0.004	-0.003	0.001	0.000	0.000	0.000
357	98	0.013	0.129	0.018	-0.003	0.006	-0.004
	86	0.013	-0.147	0.018	-0.003	0.015	-0.008
358	111	-0.003	0.004	0.001	0.000	0.000	0.000
	99	-0.003	-0.003	0.001	0.000	0.000	0.000
359	110	0.013	0.193	0.055	-0.002	-0.022	-0.031
	98	0.013	-0.083	0.055	-0.002	0.006	-0.003
360	123	-0.003	0.004	0.001	0.000	0.000	0.000
	111	-0.003	-0.003	0.001	0.000	0.000	0.000
361	122	0.014	0.083	-0.057	0.002	0.007	-0.004
	110	0.014	-0.193	-0.057	0.002	-0.022	-0.031
362	135	-0.002	0.004	0.001	0.000	0.000	0.000
	123	-0.002	-0.003	0.001	0.000	0.000	0.000
363	134	0.013	0.147	-0.020	0.002	0.016	-0.008
	122	0.013	-0.129	-0.020	0.002	0.007	-0.003
364	147	-0.001	0.004	0.001	0.000	0.000	0.000
	135	-0.001	-0.003	0.001	0.000	0.000	0.000
365	146	0.013	0.130	0.018	0.003	0.008	-0.004
	134	0.013	-0.146	0.018	0.003	0.017	-0.008
366	159	0.000	0.004	0.001	0.000	0.000	0.000
	147	0.000	-0.003	0.001	0.000	0.000	0.000
367	158	0.013	0.194	0.056	0.004	-0.020	-0.032
	146	0.013	-0.082	0.056	0.004	0.008	-0.004
368	171	0.001	0.004	0.001	0.000	0.000	0.000
	159	0.001	-0.003	0.001	0.000	0.000	0.000
369	170	0.004	0.073	-0.062	0.019	0.014	-0.001
	158	0.004	-0.203	-0.062	0.019	-0.017	-0.033
370	183	0.002	0.004	0.001	0.000	0.000	0.000
	171	0.002	-0.003	0.001	0.000	0.000	0.000
371	182	-0.005	0.156	-0.025	0.020	0.026	-0.010
	170	-0.005	-0.120	-0.025	0.020	0.014	-0.001
372	195	0.003	0.004	0.001	0.000	0.000	-0.001
	183	0.003	-0.003	0.001	0.000	0.000	0.000
373	194	-0.008	0.141	0.013	0.021	0.021	-0.012
	182	-0.008	-0.134	0.013	0.021	0.027	-0.010
374	207	0.004	0.005	0.000	0.000	0.001	-0.001
	195	0.004	-0.002	0.000	0.000	0.001	0.000
375	206	-0.009	0.126	0.051	0.023	-0.004	-0.006
	194	-0.009	-0.150	0.051	0.023	0.022	-0.012
376	13	0.001	0.405	-0.024	0.003	0.032	-0.081
	239	0.001	0.129	-0.024	0.003	0.020	0.052
377	10	-0.001	0.000	0.000	0.000	0.000	0.001
	236	-0.001	-0.005	0.000	0.000	0.000	-0.001
378	230	-0.019	0.392	0.025	-0.003	-0.002	-0.064
	244	-0.019	0.172	0.025	-0.003	0.008	0.049
379	231	1.006	-0.090	-0.024	0.001	0.021	0.028
	229	0.454	-0.090	-0.024	0.001	-0.003	-0.063
380	232	1.011	0.092	-0.025	-0.002	0.022	-0.028
	230	0.460	0.092	-0.025	-0.002	-0.003	0.064
381	233	0.019	0.002	-0.002	0.000	0.000	0.000
	3	0.016	-0.003	-0.002	0.000	-0.001	0.000
382	229	0.027	0.000	0.000	0.000	0.000	0.000
	235	0.014	0.000	0.000	0.000	0.000	0.000
383	234	0.017	0.003	0.001	0.000	0.000	0.000
	3	0.014	-0.002	0.001	0.000	0.000	0.000
384	230	0.028	0.000	0.000	0.000	0.000	0.000
	236	0.015	0.000	0.000	0.000	0.000	0.000
385	237	0.012	0.000	0.000	0.000	0.000	0.000
	8	0.006	0.000	0.000	0.000	0.000	0.000
386	235	0.009	0.001	0.000	0.000	0.000	-0.001
	233	0.006	0.001	0.000	0.000	0.000	0.000
387	238	0.016	0.000	0.000	0.000	0.000	0.000
	9	0.010	0.000	0.000	0.000	0.000	0.000
388	236	0.010	-0.001	0.000	0.000	0.000	0.000
	234	0.008	-0.001	0.000	0.000	0.000	0.000
389	239	-0.021	0.131	-0.025	0.003	0.020	0.052
	240	-0.021	-0.145	-0.025	0.003	0.008	0.049
390	237	0.012	0.000	0.000	0.000	0.000	0.000
	290	0.012	0.000	0.000	0.000	0.000	0.000
391	240	-0.021	-0.168	-0.024	0.003	0.008	0.049
	229	-0.021	-0.388	-0.024	0.003	-0.002	-0.063
392	238	0.016	0.000	0.000	0.000	0.000	0.000
	291	0.021	0.000	0.000	0.000	0.000	0.000
393	241	0.013	0.000	0.000	0.000	0.000	0.000
	4	0.007	0.000	0.000	0.000	0.000	0.000
394	242	0.018	0.000	0.001	0.000	0.000	0.000
	5	0.012	0.000	0.001	0.000	0.001	0.000
395	241	0.013	0.000	0.000	0.000	0.000	0.000
	292	0.013	0.000	0.000	0.000	0.000	0.000
396	242	0.018	0.000	-0.001	0.000	0.000	0.000
	293	0.024	0.000	-0.001	0.000	0.000	0.000
397	243	-0.001	-0.133	0.025	-0.003	0.021	0.054
	12	-0.001	-0.408	0.025	-0.003	0.034	-0.081
398	244	-0.019	0.146	0.026	-0.003	0.008	0.049
	243	-0.019	-0.129	0.026	-0.003	0.021	0.053
399	228	0.000	0.000	0.000	0.000	0.000	0.001
	245	0.000	-0.005	0.000	0.000	0.000	0.000
400	224	0.006	0.404	0.023	-0.003	-0.031	-0.081
	246	0.006	0.128	0.023	-0.003	-0.019	0.053
401	228	0.000	0.000	0.000	0.000	0.000	0.001
	247	0.000	-0.005	0.000	0.000	0.000	0.000
402	248	-0.018	0.392	-0.024	0.003	0.002	-0.063
	249	-0.018	0.171	-0.024	0.003	-0.008	0.049
403	250	1.005	-0.092	0.023	-0.001	-0.020	0.028
	251	0.454	-0.092	0.023	-0.001	0.003	-0.064
404	252	1.005	0.092	0.023	0.001	-0.020	-0.028
	248	0.453	0.092	0.023	0.001	0.003	0.063
405	251	0.021	0.000	0.000	0.000	0.000	0.000
	284	0.014	0.000	0.000	0.000	0.000	0.000
406	248	0.021	0.000	0.000	0.000	0.000	0.000
	247	0.008	0.000	0.000	0.000	0.000	0.000
407	253	0.012	0.000	0.000	0.000	0.000	0.000
	226	0.007	0.000	0.000	0.000	0.000	0.000
408	245	0.003	0.000	0.000	0.000	0.000	0.000
	254	0.000	0.000	0.000	0.000	0.000	0.000
409	255	0.021	0.000	-0.001	0.000	0.000	0.000
	227	0.015	0.000	-0.001	0.000	-0.001	0.000
410	247	0.003	0.000	0.000	0.000	0.000	0.000
	256	0.000	0.000	0.000	0.000	0.000	0.000

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
411	246	-0.017	0.132	0.024	-0.003	-0.019	0.052
	257	-0.017	-0.144	0.024	-0.003	-0.007	0.049
412	253	0.012	0.000	0.000	0.000	0.000	0.000
	285	0.012	0.000	0.000	0.000	0.000	0.000
413	257	-0.017	-0.172	0.023	-0.003	-0.007	0.049
	251	-0.017	-0.393	0.023	-0.003	0.002	-0.064
414	255	0.021	0.000	0.001	0.000	0.000	0.000
	287	0.027	0.000	0.001	0.000	0.000	0.000
415	258	0.011	0.000	0.000	0.000	0.000	0.000
	220	0.005	0.000	0.000	0.000	0.000	0.000
416	259	0.020	0.000	0.000	0.000	0.000	0.000
	221	0.014	0.000	0.000	0.000	0.000	0.000
417	258	0.011	0.000	0.000	0.000	0.000	0.000
	288	0.011	0.000	0.000	0.000	0.000	0.000
418	259	0.020	0.000	0.000	0.000	0.000	0.000
	289	0.026	0.000	0.000	0.000	0.000	0.000
419	260	0.004	-0.128	-0.023	0.003	-0.020	0.053
	218	0.004	-0.404	-0.023	0.003	-0.031	-0.081
420	249	-0.017	0.144	-0.024	0.003	-0.008	0.049
	260	-0.017	-0.132	-0.024	0.003	-0.020	0.052
421	219	-0.014	0.003	-0.002	0.000	0.001	-0.001
	206	-0.008	-0.002	-0.002	0.000	0.000	0.000
422	2	-0.011	0.002	0.001	0.000	0.000	0.000
	14	-0.005	-0.003	0.001	0.000	0.000	0.000
423	7	-0.011	0.003	-0.001	0.000	0.001	0.000
	20	-0.006	-0.003	-0.001	0.000	0.000	0.000
424	261	0.055	0.013	0.000	0.000	0.000	-0.002
	35	0.053	0.009	0.000	0.000	0.000	0.002
425	270	-0.021	0.002	-0.001	0.000	0.000	0.000
	271	-0.019	-0.004	-0.001	0.000	0.000	-0.001
426	262	0.044	0.001	-0.001	0.000	0.000	0.001
	18	0.039	-0.005	-0.001	0.000	-0.001	-0.001
427	271	0.061	0.012	-0.003	0.000	0.001	-0.002
	53	0.058	0.007	-0.003	0.000	-0.001	0.003
428	263	0.048	0.002	0.001	0.000	0.000	0.001
	273	0.046	-0.002	0.001	0.000	0.000	0.001
429	271	-0.015	0.004	0.000	0.000	0.000	-0.001
	272	-0.013	-0.002	0.000	0.000	0.000	-0.001
430	264	0.062	0.015	-0.001	0.000	0.000	-0.003
	29	0.059	0.011	-0.001	0.000	0.000	0.003
431	272	0.000	-0.007	-0.002	0.000	0.001	0.000
	64	-0.002	-0.009	-0.002	0.000	0.001	-0.002
432	265	0.038	0.001	-0.001	0.000	0.000	0.001
	274	0.036	-0.002	-0.001	0.000	0.000	0.001
433	272	-0.011	0.003	0.001	0.000	0.000	0.000
	75	-0.009	-0.004	0.001	0.000	0.000	0.000
434	266	0.053	0.013	-0.001	0.000	0.000	-0.002
	197	0.050	0.008	-0.001	0.000	0.000	0.002
435	273	0.000	0.003	0.001	0.000	-0.001	0.000
	269	0.002	-0.004	0.001	0.000	0.000	0.000
436	267	0.038	0.000	0.002	0.000	-0.001	0.001
	279	0.036	-0.003	0.002	0.000	0.000	0.000
437	273	0.044	-0.007	-0.001	0.000	0.000	0.001
	18	0.042	-0.010	-0.001	0.000	0.000	-0.002
438	268	0.054	0.013	0.000	0.000	0.000	-0.002
	203	0.051	0.008	0.000	0.000	0.000	0.003
439	283	-0.003	-0.004	0.000	0.000	0.000	-0.001
	166	-0.004	-0.006	0.000	0.000	0.000	-0.002
440	282	0.055	0.013	0.000	0.000	0.000	-0.002
	179	0.052	0.009	0.000	0.000	0.000	0.003
441	281	0.053	0.010	0.000	0.000	0.000	0.002
	191	0.052	0.009	0.000	0.000	0.000	0.003
442	280	0.043	0.000	0.001	0.000	-0.001	0.001
	198	0.039	-0.007	0.001	0.000	0.000	-0.001
443	279	0.036	-0.003	0.002	0.000	0.000	0.000
	210	0.034	-0.007	0.002	0.000	0.001	-0.002
444	223	0.000	0.383	0.001	0.000	0.000	-0.032
	211	0.000	-0.383	0.001	0.000	0.000	-0.032
445	278	-0.002	-0.004	-0.001	0.000	0.000	-0.001
	160	-0.004	-0.006	-0.001	0.000	0.000	-0.002
446	277	0.055	0.013	-0.001	0.000	0.000	-0.002
	173	0.052	0.009	-0.001	0.000	0.000	0.003
447	276	0.053	0.010	-0.001	0.000	0.000	0.002
	185	0.052	0.009	-0.001	0.000	0.000	0.003
448	275	0.043	0.000	0.000	0.000	0.000	0.001
	198	0.038	-0.007	0.000	0.000	0.000	-0.001
449	274	0.036	-0.002	-0.001	0.000	0.000	0.001
	210	0.034	-0.006	-0.001	0.000	-0.001	-0.001
450	19	0.000	0.383	-0.002	0.000	0.001	-0.032
	6	0.000	-0.383	-0.002	0.000	0.000	-0.032
451	31	0.000	0.383	-0.003	0.000	0.001	-0.032
	19	0.000	-0.383	-0.003	0.000	-0.001	-0.032
452	43	0.000	0.383	-0.002	0.000	0.000	-0.032
	31	0.000	-0.383	-0.002	0.000	0.000	-0.032
453	55	0.000	0.383	-0.001	0.000	0.000	-0.032
	43	0.000	-0.383	-0.001	0.000	0.000	-0.032
454	67	0.000	0.383	0.000	0.000	0.000	-0.032
	55	0.000	-0.383	0.000	0.000	0.000	-0.032
455	79	0.000	0.383	0.000	0.000	0.000	-0.032
	67	0.000	-0.383	0.000	0.000	0.000	-0.032
456	91	0.000	0.383	-0.001	0.000	0.000	-0.032
	79	0.000	-0.383	-0.001	0.000	0.000	-0.032
457	103	0.000	0.383	0.000	0.000	0.000	-0.032
	91	0.000	-0.383	0.000	0.000	0.000	-0.032
458	115	0.000	0.383	0.000	0.000	0.000	-0.032
	103	0.000	-0.383	0.000	0.000	0.000	-0.032
459	127	0.000	0.383	0.000	0.000	0.000	-0.032
	115	0.000	-0.383	0.000	0.000	0.000	-0.032
460	139	0.000	0.383	0.000	0.000	0.000	-0.032
	127	0.000	-0.383	0.000	0.000	0.000	-0.032
461	151	0.000	0.383	0.001	0.000	0.000	-0.032
	139	0.000	-0.383	0.001	0.000	0.000	-0.032
462	163	0.000	0.383	0.001	0.000	0.000	-0.032
	151	0.000	-0.383	0.001	0.000	0.000	-0.032
463	175	0.000	0.383	0.000	0.000	0.000	-0.032
	163	0.000	-0.383	0.000	0.000	0.000	-0.032
464	187	0.000	0.383	0.001	0.000	0.000	-0.032
	175	0.000	-0.383	0.001	0.000	0.000	-0.032
465	199	0.000	0.383	0.002	0.000	0.000	-0.032
	187	0.000	-0.383	0.002	0.000	0.000	-0.032
466	211	0.000	0.383	0.003	0.000	-0.001	-0.032
	199	0.000	-0.383	0.003	0.000	0.001	-0.032
467	217	0.000	0.383	-0.002	0.000	0.000	-0.032
	205	0.000	-0.383	-0.002	0.000	-0.001	-0.032
468	11	0.000	0.383	0.002	0.000	-0.001	-0.032
	1	0.000	-0.383	0.002	0.000	0.000	-0.032
469	25	0.000	0.383	0.003	0.000	-0.001	-0.032
	11	0.000	-0.383	0.003	0.000	0.001	-0.032
470	37	0.000	0.383	0.002	0.000	0.000	-0.032
	25	0.000	-0.383	0.002	0.000	0.000	-0.032
471	49	0.000	0.383	0.001	0.000	0.000	-0.032
	37	0.000	-0.383	0.001	0.000	0.000	-0.032
472	284	0.014	0.000	0.000	0.000	0.000	0.000
	245	0.008	0.000	0.000	0.000	0.000	0.000
473	61	0.000	0.383	0.000	0.000	0.000	-0.032
	49	0.000	-0.383	0.000	0.000	0.000	-0.032
474	285	0.012	0.000	0.000	0.000	0.000	0.000
	246	0.016	0.000	0.000	0.000	0.000	0.000
475	73	0.000	0.383	0.000	0.000	0.000	-0.032
	61	0.000	-0.383	0.000	0.000	0.000	-0.032
476	287	0.027	0.000	0.001	0.000	0.000	0.000
	257	0.028	0.000	0.001	0.000	0.000	0.000
477	85	0.000	0.383	0.000	0.000	0.000	-0.032
	73	0.000	-0.383	0.000	0.000	0.000	-0.032
478	97	0.000	0.383	0.000	0.000	0.000	-0.032
	85	0.000	-0.383	0.000	0.000	0.000	-0.032
479	288	0.011	0.000	0.000	0.000	0.000	0.000
	260	0.014	0.000	0.000	0.000	0.000	0.000
480	109	0.000	0.383	0.000	0.000	0.000	-0.032
	97	0.000	-0.383	0.000	0.000	0.000	-0.032
481	289	0.026	0.000	0.000	0.000	0.000	0.000
	249	0.027	0.000	0.000	0.000	0.000	0.000
482	121	0.000	0.383	0.000	0.000	0.000	-0.032
	109	0.000	-0.383	0.000	0.000	0.000	-0.032
483	133	0.000	0.383	0.000	0.000	0.000	-0.032
	121	0.000	-0.383	0.000	0.000	0.000	-0.032
484	145	0.000	0.383	-0.001	0.000	0.000	-0.032
	133	0.000	-0.383	-0.001	0.000	0.000	-0.032
485	157	0.000	0.383	0.000	0.000	0.000	-0.032
	145	0.000	-0.383	0.000	0.000	0.000	-0.032
486	169	0.000	0.383	0.000	0.000	0.000	-0.032
	157	0.000	-0.383	0.000	0.000	0.000	-0.032
487	181	0.000	0.383	-0.001	0.000	0.000	-0.032
	169	0.000	-0.383	-0.001	0.000	0.000	-0.032
488	193	0.000	0.383	-0.002	0.000	0.000	-0.032
	181	0.000	-0.383	-0.002	0.000	0.000	-0.032
489	290	0.012	0.000	0.000	0.000	0.000	0.000
	239	0.015	0.000	0.000	0.000	0.000	0.000
490	291	0.021	0.000	0.000	0.000	0.000	0.000
	240	0.023	0.000	0.000	0.000	0.000	0.000
491	292	0.013	0.000	0.000	0.000	0.000	0.000
	243	0.016	0.000	0.000	0.000	0.000	0.000
492	293	0.024	0.000	-0.001	0.000	0.000	0.000
	244	0.025	0.000	-0.001	0.000	0.000	0.000
493	205	0.000	0.383	-0.003	0.000	0.001	-0.032
	193	0.000	-0.383	-0.003	0.000	-0.001	-0.032

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
494	6	0.000	1.073	0.000	0.000	0.000	-0.250
	286	0.000	0.306	0.000	0.000	0.000	0.094
495	232	0.000	1.073	0.000	0.000	0.000	-0.250
	294	0.000	0.460	0.000	0.000	0.000	0.056
496	286	0.000	0.306	0.000	0.000	0.000	0.094
	295	0.000	-0.460	0.000	0.000	0.000	0.056
497	295	0.000	-0.460	0.000	0.000	0.000	0.056
	231	0.000	-1.073	0.000	0.000	0.000	-0.250
498	296	0.000	-0.306	0.000	0.000	0.000	0.094
	1	0.000	-1.073	0.000	0.000	0.000	-0.250
499	294	0.000	0.460	0.000	0.000	0.000	0.056
	296	0.000	-0.306	0.000	0.000	0.000	0.094
500	223	0.000	1.073	0.000	0.000	0.000	-0.250
	297	0.000	0.306	0.000	0.000	0.000	0.094
501	252	0.000	1.073	0.000	0.000	0.000	-0.250
	298	0.000	0.460	0.000	0.000	0.000	0.056
502	297	0.000	0.306	0.000	0.000	0.000	0.094
	299	0.000	-0.460	0.000	0.000	0.000	0.056
503	299	0.000	-0.460	0.000	0.000	0.000	0.056
	250	0.000	-1.073	0.000	0.000	0.000	-0.250
504	300	0.000	-0.306	0.000	0.000	0.000	0.094
	217	0.000	-1.073	0.000	0.000	0.000	-0.250
505	298	0.000	0.460	0.000	0.000	0.000	0.056
	300	0.000	-0.306	0.000	0.000	0.000	0.094
506	231	0.000	0.690	0.000	0.000	0.000	-0.103
	232	0.000	-0.690	0.000	0.000	0.000	-0.103
507	250	0.000	0.690	0.000	0.000	0.000	-0.103
	252	0.000	-0.690	0.000	0.000	0.000	-0.103
508	230	0.068	0.097	-0.001	0.000	0.000	0.000
	1	0.206	-0.097	-0.001	0.000	-0.001	0.000
509	1	0.042	0.027	0.000	-0.001	0.001	0.000
	301	0.014	-0.042	0.000	-0.001	0.001	-0.004
510	6	0.206	0.097	0.001	0.000	-0.001	0.000
	229	0.068	-0.097	0.001	0.000	0.000	0.000
511	217	0.204	0.097	0.000	0.000	-0.001	0.000
	248	0.066	-0.097	0.000	0.000	0.000	0.000
512	217	0.040	0.027	0.000	0.001	-0.001	0.000
	315	0.012	-0.042	0.000	0.001	-0.001	-0.004
513	223	0.204	0.097	0.000	0.000	0.001	0.000
	251	0.066	-0.097	0.000	0.000	0.000	0.000
514	223	0.041	0.027	0.003	-0.001	0.000	0.000
	316	0.013	-0.042	0.003	-0.001	0.002	-0.004
515	6	0.040	0.027	0.000	0.001	-0.001	0.000
	302	0.013	-0.042	0.000	0.001	-0.001	-0.004
516	301	0.438	0.000	0.000	0.001	0.000	0.000
	14	0.328	0.000	0.000	0.001	0.000	0.000
517	301	0.043	0.037	-0.001	-0.001	0.001	-0.004
	303	0.015	-0.032	-0.001	-0.001	0.001	-0.003
518	302	0.432	0.000	0.000	-0.001	0.000	0.000
	20	0.322	0.000	0.000	-0.001	0.000	0.000
519	302	0.041	0.037	0.001	0.001	-0.001	-0.004
	304	0.013	-0.032	0.001	0.001	-0.001	-0.003
520	303	0.454	0.000	0.001	0.001	-0.001	0.000
	26	0.371	0.000	0.001	0.001	0.000	0.000
521	303	0.042	0.036	-0.001	-0.001	0.001	-0.003
	305	0.014	-0.033	-0.001	-0.001	0.000	-0.003
522	304	0.448	0.000	0.001	-0.001	-0.001	0.000
	32	0.365	0.000	0.001	-0.001	0.000	0.000
523	304	0.040	0.036	0.001	0.001	-0.001	-0.003
	306	0.012	-0.033	0.001	0.001	0.000	-0.003
524	305	0.429	-0.001	0.002	0.001	-0.001	0.000
	38	0.374	-0.001	0.002	0.001	0.000	0.000
525	305	0.039	0.036	0.000	0.000	0.000	-0.003
	307	0.011	-0.033	0.000	0.000	-0.001	-0.003
526	306	0.421	0.001	0.002	-0.001	-0.001	0.000
	44	0.366	0.001	0.002	-0.001	0.000	0.000
527	306	0.037	0.035	0.000	0.000	0.000	-0.003
	308	0.010	-0.033	0.000	0.000	0.000	-0.003
528	307	0.302	-0.002	0.009	0.000	-0.002	0.000
	50	0.274	-0.002	0.009	0.000	0.000	0.000
529	307	0.031	0.042	0.001	0.000	0.000	-0.004
	62	0.004	-0.027	0.001	0.000	0.000	0.000
530	308	0.295	0.001	0.009	0.000	-0.002	0.000
	56	0.267	0.001	0.009	0.000	0.000	0.000
531	308	0.030	0.042	-0.001	0.000	0.000	-0.004
	68	0.002	-0.027	-0.001	0.000	0.000	0.000
532	309	0.295	-0.001	-0.009	0.000	0.002	0.000
	170	0.267	-0.001	-0.009	0.000	0.000	0.000
533	309	0.029	0.042	-0.001	0.000	0.000	-0.004
	158	0.002	-0.027	-0.001	0.000	0.000	0.000
534	310	0.295	0.001	-0.009	0.000	0.002	0.000
	176	0.267	0.001	-0.009	0.000	0.000	0.000
535	310	0.030	0.042	0.001	0.000	0.000	-0.004
	164	0.003	-0.027	0.001	0.000	0.000	0.000
536	311	0.421	-0.001	-0.002	-0.001	0.001	0.000
	182	0.365	-0.001	-0.002	-0.001	0.000	0.000
537	311	0.037	0.035	0.000	0.000	0.000	-0.003
	309	0.009	-0.033	0.000	0.000	0.000	-0.003
538	312	0.421	0.001	-0.002	0.001	0.001	0.000
	188	0.366	0.001	-0.002	0.001	0.000	0.000
539	312	0.038	0.036	0.000	0.000	0.000	-0.003
	310	0.010	-0.033	0.000	0.000	0.000	-0.003
540	313	0.447	0.000	-0.001	-0.001	0.001	0.000
	194	0.364	0.000	-0.001	-0.001	0.000	0.000
541	313	0.039	0.036	0.001	0.001	-0.001	-0.003
	311	0.012	-0.033	0.001	0.001	0.000	-0.003
542	314	0.447	0.000	-0.001	0.001	0.001	0.000
	200	0.364	0.000	-0.001	0.001	0.000	0.000
543	314	0.040	0.036	-0.001	-0.001	0.001	-0.003
	312	0.013	-0.033	-0.001	-0.001	0.000	-0.003
544	315	0.434	0.000	0.000	-0.001	0.000	0.000
	206	0.324	0.000	0.000	-0.001	0.000	0.000
545	315	0.040	0.036	0.001	0.001	-0.001	-0.004
	313	0.013	-0.032	0.001	0.001	-0.001	-0.003
546	316	0.433	-0.001	0.000	0.001	0.000	0.000
	212	0.323	-0.001	0.000	0.001	0.000	0.000
547	316	0.041	0.036	-0.001	-0.001	0.001	-0.004
	314	0.014	-0.032	-0.001	-0.001	0.001	-0.003
565	227	0.001	0.009	-0.005	0.000	0.001	-0.002
	215	0.001	0.003	-0.005	0.000	-0.001	0.001
566	23	-0.001	-0.001	0.006	0.000	-0.002	0.001
	9	-0.001	-0.008	0.006	0.000	0.001	-0.001
567	35	-0.003	0.005	0.002	0.000	-0.001	0.000
	23	-0.003	-0.002	0.002	0.000	0.000	0.001
568	47	-0.004	0.005	0.001	0.000	0.000	0.000
	35	-0.004	-0.002	0.001	0.000	0.000	0.000
569	59	-0.005	0.005	0.001	0.000	0.000	-0.001
	47	-0.005	-0.002	0.001	0.000	0.000	0.000
570	71	-0.005	0.005	-0.001	0.000	0.000	-0.001
	59	-0.005	-0.002	-0.001	0.000	0.000	0.000
571	83	-0.005	0.005	-0.001	0.000	0.000	-0.001
	71	-0.005	-0.002	-0.001	0.000	0.000	0.000
572	95	-0.004	0.005	-0.001	0.000	0.000	-0.001
	83	-0.004	-0.002	-0.001	0.000	0.000	0.000
573	107	-0.004	0.005	0.000	0.000	0.000	-0.001
	95	-0.004	-0.002	0.000	0.000	0.000	0.000
574	119	-0.003	0.005	0.000	0.000	0.000	-0.001
	107	-0.003	-0.002	0.000	0.000	0.000	0.000
575	131	-0.003	0.004	0.000	0.000	0.000	-0.001
	119	-0.003	-0.002	0.000	0.000	0.000	0.000
576	143	-0.003	0.004	0.000	0.000	0.000	-0.001
	131	-0.003	-0.002	0.000	0.000	0.000	0.000
577	155	-0.002	0.005	0.000	0.000	0.000	-0.001
	143	-0.002	-0.002	0.000	0.000	0.000	0.000
578	167	-0.002	0.005	0.000	0.000	0.000	-0.001
	155	-0.002	-0.002	0.000	0.000	0.000	0.000
579	179	-0.001	0.004	0.000	0.000	0.000	-0.001
	167	-0.001	-0.002	0.000	0.000	0.000	0.000
580	191	-0.001	0.004	0.000	0.000	0.000	0.000
	179	-0.001	-0.002	0.000	0.000	0.000	0.000
581	203	-0.001	0.004	0.000	0.000	0.000	0.000
	191	-0.001	-0.003	0.000	0.000	0.000	0.000
582	215	0.000	0.004	-0.001	0.000	0.000	0.000
	203	0.000	-0.003	-0.001	0.000	0.000	0.001
600	221	-0.001	0.006	0.003	0.000	-0.001	-0.001
	209	-0.001	0.000	0.003	0.000	0.001	0.001
601	17	0.001	-0.001	-0.002	0.000	0.000	0.001
	5	0.001	-0.008	-0.002	0.000	-0.001	-0.001
602	29	0.000	0.003	-0.002	0.000	0.000	0.001
	17	0.000	-0.004	-0.002	0.000	-0.001	0.000
603	41	0.001	0.004	-0.001	0.000	0.000	0.000
	29	0.001	-0.003	-0.001	0.000	-0.001	0.000
604	53	0.014	0.005	0.001	0.000	0.000	-0.001
	41	0.014	-0.001	0.001	0.000	0.000	0.000
605	65	0.011	0.004	0.000	0.000	0.000	0.000
	53	0.011	-0.003	0.000	0.000	0.000	0.000
606	77	0.008	0.003	-0.002	0.000	0.000	0.000
	65	0.008	-0.004	-0.002	0.000	0.000	0.000
607	89	0.006	0.003	-0.002	0.000	0.001	0.000
	77	0.006	-0.004	-0.002	0.000	-0.001	0.000
608	101	0.005	0.003	-0.002	0.000	0.000	0.000
	89	0.005	-0.004	-0.002	0.000	0.000	0.000
609	113	0.004	0.003	-0.001	0.000	0.000	0.000
	101	0.004	-0.004	-0.001	0.000	0.000	0.000
610	125	0.003	0.003	-0.001	0.000	0.000	0.000
	113	0.003	-0.004	-0.001	0.000	0.000	0.000

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
611	137	0.002	0.003	-0.001	0.000	0.000	0.000
	125	0.002	-0.004	-0.001	0.000	0.000	0.000
612	149	0.001	0.003	-0.001	0.000	0.000	0.000
	137	0.001	-0.004	-0.001	0.000	0.000	0.000
613	161	0.000	0.003	-0.001	0.000	0.000	0.000
	149	0.000	-0.004	-0.001	0.000	0.000	0.000
614	173	-0.001	0.003	-0.001	0.000	0.000	0.000
	161	-0.001	-0.004	-0.001	0.000	0.000	0.000
615	185	-0.002	0.003	-0.001	0.000	0.000	0.000
	173	-0.002	-0.004	-0.001	0.000	0.000	0.000
616	197	-0.002	0.003	-0.001	0.000	0.000	0.000
	185	-0.002	-0.004	-0.001	0.000	0.000	0.000
617	209	-0.002	0.003	0.000	0.000	0.000	0.000
	197	-0.002	-0.004	0.000	0.000	0.000	0.000

Load case 2 (Linear): Seism on X direction

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
1	1	-1.703	-0.213	-0.166	-0.546	0.067	-0.177
	12	-1.703	-0.213	-0.166	-0.546	-0.099	-0.390
2	2	-1.637	-0.004	-0.014	0.000	0.006	0.003
	4	-1.637	-0.004	-0.014	0.000	-0.002	0.000
3	4	-1.634	0.003	-0.013	-0.001	-0.002	0.002
	5	-1.634	0.003	-0.013	-0.001	-0.010	0.004
4	5	-1.491	0.000	-0.026	0.001	0.013	-0.004
	234	-1.491	0.000	-0.026	0.001	0.001	-0.004
5	6	1.698	-0.142	0.152	-0.563	-0.069	-0.183
	13	1.698	-0.142	0.152	-0.563	0.083	-0.324
6	7	0.854	0.034	-0.072	0.000	0.044	-0.021
	8	0.854	0.034	-0.072	0.000	0.000	0.000
7	8	0.841	0.017	-0.071	-0.001	0.001	0.002
	9	0.841	0.017	-0.071	-0.001	-0.042	0.012
8	9	0.547	-0.015	-0.049	0.000	0.023	0.003
	233	0.547	-0.015	-0.049	0.000	-0.001	-0.004
9	13	1.726	0.013	0.000	0.000	0.000	0.000
	7	1.726	0.013	0.000	0.000	0.000	0.007
10	219	1.094	-0.011	0.036	0.000	-0.019	0.007
	260	1.094	-0.011	0.036	0.000	0.006	-0.001
11	225	-1.110	-0.004	0.032	0.000	-0.016	0.002
	246	-1.110	-0.004	0.032	0.000	0.007	-0.001
12	10	0.026	-0.002	0.000	0.000	0.000	0.001
	235	0.026	-0.002	0.000	0.000	0.000	0.000
13	7	-1.140	-0.014	-0.003	0.000	0.003	0.005
	239	-1.140	-0.014	-0.003	0.000	0.001	-0.005
14	12	-1.977	-0.021	0.015	0.000	0.000	0.000
	2	-1.977	-0.021	0.015	0.000	0.008	-0.011
15	2	2.041	0.012	-0.037	0.000	0.018	-0.005
	243	2.041	0.012	-0.037	0.000	-0.008	0.003
16	11	-0.666	0.023	-0.001	-0.058	0.000	0.000
	301	-0.666	0.023	-0.001	-0.058	0.000	0.005
17	15	-0.136	0.012	-0.008	0.000	0.003	-0.003
	16	-0.136	0.012	-0.008	0.000	-0.001	0.004
18	16	-0.363	-0.037	-0.013	0.000	-0.001	0.023
	17	-0.363	-0.037	-0.013	0.000	-0.009	0.000
19	17	-0.277	-0.001	-0.031	0.000	0.005	0.006
	263	-0.277	-0.001	-0.031	0.000	-0.004	0.005
20	19	0.149	0.027	0.005	-0.059	0.000	0.000
	302	0.149	0.027	0.005	-0.059	0.001	0.005
21	21	0.176	0.016	-0.073	0.001	0.047	-0.016
	22	0.176	0.016	-0.073	0.001	0.003	-0.006
22	22	0.336	0.053	-0.074	-0.001	0.008	-0.020
	23	0.336	0.053	-0.074	-0.001	-0.037	0.012
23	23	0.470	0.033	-0.059	0.000	0.029	-0.016
	262	0.470	0.033	-0.059	0.000	0.012	-0.007
24	20	0.075	0.032	-0.018	0.000	0.000	0.000
	21	0.075	0.032	-0.018	0.000	-0.009	0.016
25	17	-0.102	-0.006	-0.023	0.000	0.028	-0.005
	24	-0.102	-0.006	-0.023	0.000	0.009	-0.010
26	14	-0.226	0.052	-0.006	0.000	0.006	-0.033
	16	-0.226	0.052	-0.006	0.000	0.000	0.018
27	24	-0.066	0.041	-0.065	0.000	0.009	-0.007
	23	-0.066	0.041	-0.065	0.000	-0.046	0.028
28	18	-0.047	0.036	-0.042	0.000	0.024	-0.017
	24	-0.047	0.036	-0.042	0.000	0.000	0.003
29	14	-0.126	-0.005	0.003	0.000	0.000	0.000
	15	-0.126	-0.005	0.003	0.000	0.002	-0.002
30	20	0.161	-0.035	-0.002	0.001	0.007	0.020
	22	0.161	-0.035	-0.002	0.001	0.005	-0.014
31	25	-0.176	0.012	0.000	-0.048	0.000	0.000
	303	-0.176	0.012	0.000	-0.048	0.000	0.005
32	27	-0.041	-0.003	0.005	0.000	-0.005	0.002
	28	-0.041	-0.003	0.005	0.000	-0.002	0.001
33	28	-0.179	0.004	-0.012	0.000	-0.003	0.019
	264	-0.179	0.004	-0.012	0.000	-0.005	0.019
34	29	-0.206	-0.011	-0.074	0.000	0.002	0.013
	269	-0.206	-0.011	-0.074	0.000	-0.019	0.010
35	31	0.134	0.013	0.002	-0.049	0.000	0.000
	304	0.134	0.013	0.002	-0.049	0.001	0.005
36	33	0.048	0.008	-0.060	0.001	0.040	-0.013
	34	0.048	0.008	-0.060	0.001	0.004	-0.008
37	34	0.317	0.058	-0.053	-0.001	0.009	-0.032
	261	0.317	0.058	-0.053	-0.001	0.001	-0.024
38	35	0.452	0.027	-0.047	0.000	0.023	-0.014
	30	0.452	0.027	-0.047	0.000	-0.025	0.014
39	32	0.025	0.026	-0.012	0.000	0.000	0.000
	33	0.025	0.026	-0.012	0.000	-0.006	0.013
40	29	-0.089	-0.023	0.002	0.000	0.007	0.009
	36	-0.089	-0.023	0.002	0.000	0.009	-0.011
41	26	-0.122	0.065	-0.017	0.000	0.015	-0.046
	28	-0.122	0.065	-0.017	0.000	-0.001	0.018
42	36	-0.047	0.027	-0.046	0.000	0.010	-0.006
	35	-0.047	0.027	-0.046	0.000	-0.030	0.017
43	30	-0.050	0.043	-0.049	0.000	0.027	-0.020
	36	-0.050	0.043	-0.049	0.000	0.000	0.004
44	26	-0.045	0.005	-0.005	0.000	0.000	0.000
	27	-0.045	0.005	-0.005	0.000	-0.002	0.002
45	32	0.264	-0.069	0.007	0.001	-0.002	0.043
	34	0.264	-0.069	0.007	0.001	0.005	-0.024
46	37	0.034	0.003	-0.001	-0.030	0.000	0.000
	305	0.034	0.003	-0.001	-0.030	-0.001	0.002
47	39	0.143	-0.002	-0.019	0.000	0.005	0.000
	40	0.143	-0.002	-0.019	0.000	-0.006	-0.002
48	40	0.091	0.048	-0.042	0.000	-0.007	0.014
	270	0.091	0.048	-0.042	0.000	-0.029	0.038
49	41	-0.443	-0.025	0.007	0.000	-0.005	0.017
	42	-0.443	-0.025	0.007	0.000	0.002	-0.008
50	43	0.242	0.002	0.001	-0.029	0.000	0.000
	306	0.242	0.002	0.001	-0.029	0.000	0.001
51	45	0.005	0.004	-0.055	0.001	0.038	-0.012
	46	0.005	0.004	-0.055	0.001	0.005	-0.010
52	46	0.342	0.062	-0.040	-0.001	0.010	-0.041
	47	0.342	0.062	-0.040	-0.001	-0.014	-0.003
53	47	0.488	0.025	-0.039	0.000	0.020	-0.014
	42	0.488	0.025	-0.039	0.000	-0.020	0.012
54	44	0.020	0.024	-0.012	0.000	0.000	0.000
	45	0.020	0.024	-0.012	0.000	-0.006	0.012
55	41	-0.208	-0.049	-0.001	0.000	0.009	0.025
	48	-0.208	-0.049	-0.001	0.000	0.008	-0.016
56	38	-0.026	0.067	-0.023	0.000	0.022	-0.051
	40	-0.026	0.067	-0.023	0.000	-0.001	0.015
57	48	-0.158	0.021	-0.039	0.000	0.009	-0.007
	47	-0.158	0.021	-0.039	0.000	-0.024	0.011
58	42	-0.070	0.051	-0.038	0.000	0.022	-0.020
	48	-0.070	0.051	-0.038	0.000	0.000	0.009
59	38	0.133	-0.001	0.003	0.000	0.000	0.000
	39	0.133	-0.001	0.003	0.000	0.001	-0.001
60	44	0.330	-0.091	0.015	0.001	-0.010	0.058
	46	0.330	-0.091	0.015	0.001	0.005	-0.031
61	49	-0.139	0.010	0.000	-0.015	0.000	0.000
	307	-0.139	0.010	0.000	-0.015	0.000	0.008
62	51	-0.057	0.019	-0.036	0.000	0.009	-0.004
	52	-0.057	0.019	-0.036	0.000	-0.012	0.008
63	52	-0.399	-0.017	-0.072	0.001	-0.016	0.040
	271	-0.399	-0.017	-0.072	0.001	-0.026	0.038
64	53	-0.383	-0.019	0.009	0.000	-0.008	0.015
	54	-0.383	-0.019	0.009	0.000	0.001	-0.005
65	55	0.215	0.009	-0.001	-0.013	0.000	0.000
	308	0.215	0.009	-0.001	-0.013	0.000	0.007
66	57	0.051	0.004	-0.053	0.001	0.037	-0.012
	58	0.051	0.004	-0.053	0.001	0.005	-0.009
67	58	0.422	0.054	-0.028	-0.001	0.011	-0.045
	59	0.422	0.054	-0.028	-0.001	-0.006	-0.013
68	59	0.468	0.027	-0.038	0.000	0.020	-0.016
	54	0.468	0.027	-0.038	0.000	-0.019	0.012
69	56	0.022	0.023	-0.011	0.000	0.000	0.000
	57	0.022	0.023	-0.011	0.000	-0.006	0.012
70	53	-0.050	-0.034	0.001	0.000	0.004	0.018
	60	-0.050	-0.034	0.001	0.000	0.006	-0.011
71	50	-0.325	0.112	-0.036	0.000	0.032	-0.077
	52	-0.325	0.112	-0.036	0.000	-0.004	0.033
72	60	-0.006	0.006	-0.029	0.000	0.006	-0.002
	59	-0.006	0.006	-0.029	0.000	-0.019	0.003
73	54	-0.040	0.044	-0.031	0.000	0.017	-0.017
	60	-0.040	0.044	-0.031	0.000	0.000	0.008
74	50	-0.052	-0.008	0.006	0.000	0.000	0.000
	51	-0.052	-0.008	0.006	0.000	0.003	-0.004

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
75	56	0.357	-0.113	0.025	0.001	-0.018	0.074
	58	0.357	-0.113	0.025	0.001	0.006	-0.036
76	61	-0.331	6.582	-0.027	-0.211	0.016	-6.350
	62	-0.331	6.582	-0.027	-0.211	-0.012	0.232
77	63	0.034	0.024	-0.044	0.000	0.005	-0.002
	272	0.034	0.024	-0.044	0.000	-0.011	0.007
78	64	-0.494	-0.039	-0.006	0.001	-0.018	0.054
	65	-0.494	-0.039	-0.006	0.001	-0.021	0.031
79	65	-0.427	-0.019	0.016	0.000	-0.011	0.014
	66	-0.427	-0.019	0.016	0.000	0.005	-0.006
80	67	0.293	6.654	0.042	-0.184	-0.022	-6.377
	68	0.293	6.654	0.042	-0.184	0.020	0.277
81	69	0.025	0.003	-0.047	0.001	0.034	-0.011
	70	0.025	0.003	-0.047	0.001	0.006	-0.009
82	70	0.422	0.046	-0.017	-0.001	0.011	-0.049
	71	0.422	0.046	-0.017	-0.001	0.001	-0.022
83	71	0.455	0.027	-0.034	0.000	0.019	-0.016
	66	0.455	0.027	-0.034	0.000	-0.016	0.011
84	68	0.019	0.022	-0.010	0.000	0.000	0.000
	69	0.019	0.022	-0.010	0.000	-0.005	0.011
85	65	-0.059	-0.030	0.011	0.000	-0.003	0.017
	72	-0.059	-0.030	0.011	0.000	0.006	-0.009
86	62	-0.443	0.139	-0.046	-0.001	0.039	-0.095
	64	-0.443	0.139	-0.046	-0.001	-0.006	0.041
87	72	-0.016	-0.005	-0.020	0.000	0.007	-0.001
	71	-0.016	-0.005	-0.020	0.000	-0.010	-0.005
88	66	-0.025	0.043	-0.031	0.000	0.017	-0.017
	72	-0.025	0.043	-0.031	0.000	0.000	0.008
89	62	0.059	-0.003	0.004	0.000	0.000	0.000
	63	0.059	-0.003	0.004	0.000	0.002	-0.002
90	68	0.377	-0.130	0.030	0.001	-0.024	0.086
	70	0.377	-0.130	0.030	0.001	0.006	-0.040
91	73	-0.258	0.000	0.000	-0.018	0.000	0.000
	74	-0.258	0.000	0.000	-0.018	0.000	0.000
92	75	0.074	0.012	0.011	-0.001	-0.013	0.003
	76	0.074	0.012	0.011	-0.001	-0.006	0.010
93	76	-0.416	-0.043	-0.033	0.001	-0.010	0.059
	77	-0.416	-0.043	-0.033	0.001	-0.030	0.033
94	77	-0.410	-0.021	0.024	0.000	-0.015	0.015
	78	-0.410	-0.021	0.024	0.000	0.009	-0.007
95	79	0.197	0.000	0.000	-0.017	0.000	0.000
	80	0.197	0.000	0.000	-0.017	0.000	0.000
96	81	0.040	0.003	-0.042	0.001	0.032	-0.010
	82	0.040	0.003	-0.042	0.001	0.006	-0.008
97	82	0.447	0.038	-0.008	-0.001	0.012	-0.051
	83	0.447	0.038	-0.008	-0.001	0.007	-0.028
98	83	0.448	0.025	-0.029	0.000	0.017	-0.016
	78	0.448	0.025	-0.029	0.000	-0.013	0.010
99	80	0.018	0.020	-0.009	0.000	0.000	0.000
	81	0.018	0.020	-0.009	0.000	-0.005	0.010
100	77	-0.015	-0.030	0.022	0.000	-0.012	0.018
	84	-0.015	-0.030	0.022	0.000	0.007	-0.007
101	74	-0.467	0.158	-0.043	-0.001	0.038	-0.106
	76	-0.467	0.158	-0.043	-0.001	-0.004	0.049
102	84	0.029	-0.015	-0.010	0.000	0.007	0.000
	83	0.029	-0.015	-0.010	0.000	-0.002	-0.012
103	78	-0.016	0.043	-0.032	0.000	0.018	-0.017
	84	-0.016	0.043	-0.032	0.000	0.000	0.007
104	74	-0.029	0.007	-0.006	0.000	0.000	0.000
	75	-0.029	0.007	-0.006	0.000	-0.003	0.004
105	80	0.383	-0.140	0.034	0.001	-0.027	0.094
	82	0.383	-0.140	0.034	0.001	0.006	-0.043
106	85	-0.314	0.000	0.000	-0.006	0.000	0.000
	86	-0.314	0.000	0.000	-0.006	0.000	0.000
107	87	0.007	0.008	0.015	-0.001	-0.016	0.005
	88	0.007	0.008	0.015	-0.001	-0.007	0.010
108	88	-0.468	-0.037	-0.030	0.001	-0.011	0.059
	89	-0.468	-0.037	-0.030	0.001	-0.029	0.037
109	89	-0.430	-0.024	0.031	0.000	-0.018	0.016
	90	-0.430	-0.024	0.031	0.000	0.013	-0.009
110	91	0.289	0.000	0.000	-0.005	0.000	0.000
	92	0.289	0.000	0.000	-0.005	0.000	0.000
111	93	0.025	0.001	-0.037	0.001	0.029	-0.009
	94	0.025	0.001	-0.037	0.001	0.007	-0.009
112	94	0.443	0.035	-0.001	-0.001	0.012	-0.053
	95	0.443	0.035	-0.001	-0.001	0.011	-0.032
113	95	0.447	0.022	-0.023	0.000	0.014	-0.015
	90	0.447	0.022	-0.023	0.000	-0.010	0.008
114	92	0.014	0.018	-0.008	0.000	0.000	0.000
	93	0.014	0.018	-0.008	0.000	-0.004	0.009
115	89	-0.036	-0.033	0.030	0.000	-0.018	0.021
	96	-0.036	-0.033	0.030	0.000	0.008	-0.007
116	86	-0.450	0.161	-0.045	-0.001	0.039	-0.108
	88	-0.450	0.161	-0.045	-0.001	-0.005	0.049
117	96	0.007	-0.020	-0.003	0.000	0.008	0.000
	95	0.007	-0.020	-0.003	0.000	0.005	-0.017
118	90	-0.013	0.044	-0.033	0.000	0.019	-0.018
	96	-0.013	0.044	-0.033	0.000	0.000	0.007
119	86	0.022	0.010	-0.009	0.000	0.000	0.000
	87	0.022	0.010	-0.009	0.000	-0.004	0.005
120	92	0.393	-0.146	0.036	0.001	-0.030	0.098
	94	0.393	-0.146	0.036	0.001	0.005	-0.044
121	97	-0.241	0.000	0.000	0.006	0.000	0.000
	98	-0.241	0.000	0.000	0.006	0.000	0.000
122	99	-0.009	0.007	0.016	-0.001	-0.017	0.005
	100	-0.009	0.007	0.016	-0.001	-0.007	0.010
123	100	-0.476	-0.033	-0.029	0.001	-0.012	0.059
	101	-0.476	-0.033	-0.029	0.001	-0.029	0.039
124	101	-0.428	-0.026	0.033	0.000	-0.019	0.016
	102	-0.428	-0.026	0.033	0.000	0.015	-0.010
125	103	0.242	0.000	0.000	0.006	0.000	0.000
	104	0.242	0.000	0.000	0.006	0.000	0.000
126	105	0.022	0.000	-0.035	0.001	0.028	-0.009
	106	0.022	0.000	-0.035	0.001	0.007	-0.009
127	106	0.460	0.038	0.003	-0.001	0.012	-0.055
	107	0.460	0.038	0.003	-0.001	0.014	-0.032
128	107	0.453	0.020	-0.019	0.000	0.012	-0.014
	102	0.453	0.020	-0.019	0.000	-0.008	0.007
129	104	0.011	0.017	-0.008	0.000	0.000	0.000
	105	0.011	0.017	-0.008	0.000	-0.004	0.009
130	101	-0.037	-0.035	0.033	0.000	-0.021	0.023
	108	-0.037	-0.035	0.033	0.000	0.007	-0.007
131	98	-0.440	0.162	-0.045	-0.001	0.039	-0.109
	100	-0.440	0.162	-0.045	-0.001	-0.005	0.049
132	108	0.006	-0.023	0.001	0.000	0.007	0.000
	107	0.006	-0.023	0.001	0.000	0.008	-0.019
133	102	-0.012	0.043	-0.032	0.000	0.018	-0.017
	108	-0.012	0.043	-0.032	0.000	0.000	0.007
134	98	0.001	0.010	-0.009	0.000	0.000	0.000
	99	0.001	0.010	-0.009	0.000	-0.004	0.005
135	104	0.413	-0.152	0.038	0.001	-0.032	0.102
	106	0.413	-0.152	0.038	0.001	0.005	-0.046
136	109	-0.389	6.880	-0.008	-0.008	0.006	-7.000
	110	-0.389	6.880	-0.008	-0.008	-0.002	-0.120
137	111	-0.005	0.007	0.017	-0.001	-0.017	0.005
	112	-0.005	0.007	0.017	-0.001	-0.007	0.010
138	112	-0.481	-0.034	-0.030	0.001	-0.012	0.060
	113	-0.481	-0.034	-0.030	0.001	-0.029	0.039
139	113	-0.428	-0.026	0.033	0.000	-0.020	0.016
	114	-0.428	-0.026	0.033	0.000	0.015	-0.010
140	115	0.393	6.807	0.015	-0.011	-0.007	-6.917
	116	0.393	6.807	0.015	-0.011	0.008	-0.110
141	117	0.016	-0.002	-0.034	0.001	0.028	-0.008
	118	0.016	-0.002	-0.034	0.001	0.007	-0.009
142	118	0.473	0.041	0.004	-0.001	0.012	-0.057
	119	0.473	0.041	0.004	-0.001	0.015	-0.032
143	119	0.460	0.019	-0.018	0.000	0.011	-0.013
	114	0.460	0.019	-0.018	0.000	-0.007	0.006
144	116	0.009	0.017	-0.008	0.000	0.000	0.000
	117	0.009	0.017	-0.008	0.000	-0.004	0.008
145	113	-0.041	-0.035	0.035	0.000	-0.022	0.023
	120	-0.041	-0.035	0.035	0.000	0.007	-0.007
146	110	-0.449	0.165	-0.046	-0.001	0.040	-0.111
	112	-0.449	0.165	-0.046	-0.001	-0.005	0.050
147	120	0.000	-0.023	0.004	0.000	0.007	0.000
	119	0.000	-0.023	0.004	0.000	0.010	-0.019
148	114	-0.011	0.041	-0.031	0.000	0.017	-0.017
	120	-0.011	0.041	-0.031	0.000	0.000	0.007
149	110	0.005	0.011	-0.009	0.000	0.000	0.000
	111	0.005	0.011	-0.009	0.000	-0.005	0.005
150	116	0.431	-0.155	0.038	0.001	-0.032	0.104
	118	0.431	-0.155	0.038	0.001	0.005	-0.048
151	121	-0.235	0.000	0.000	-0.008	0.000	0.000
	122	-0.235	0.000	0.000	-0.008	0.000	0.000
152	123	-0.009	0.007	0.017	-0.001	-0.017	0.005
	124	-0.009	0.007	0.017	-0.001	-0.007	0.009
153	124	-0.475	-0.032	-0.029	0.001	-0.012	0.059
	125	-0.475	-0.032	-0.029	0.001	-0.029	0.039
154	125	-0.427	-0.026	0.034	0.000	-0.020	0.016
	126	-0.427	-0.026	0.034	0.000	0.015	-0.010
155	127	0.231	0.000	0.000	-0.008	0.000	0.000
	128	0.231	0.000	0.000	-0.008	0.000	0.000
156	129	0.020	-0.002	-0.033	0.001	0.027	-0.008
	130	0.020	-0.002	-0.033	0.001	0.007	-0.009
157	130	0.466	0.039	0.004	-0.001	0.012	-0.056
	131	0.466	0.039	0.004	-0.001	0.015	-0.033

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
158	131	0.456	0.018	-0.016	0.000	0.010	-0.012
	126	0.456	0.018	-0.016	0.000	-0.006	0.006
159	128	0.009	0.016	-0.008	0.000	0.000	0.000
	129	0.009	0.016	-0.008	0.000	-0.004	0.008
160	125	-0.039	-0.035	0.036	0.000	-0.024	0.023
	132	-0.039	-0.035	0.036	0.000	0.007	-0.007
161	122	-0.438	0.163	-0.046	-0.001	0.040	-0.110
	124	-0.438	0.163	-0.046	-0.001	-0.005	0.049
162	132	0.002	-0.025	0.006	0.000	0.007	0.001
	131	0.002	-0.025	0.006	0.000	0.012	-0.020
163	126	-0.011	0.041	-0.030	0.000	0.017	-0.016
	132	-0.011	0.041	-0.030	0.000	0.000	0.007
164	122	0.001	0.011	-0.009	0.000	0.000	0.000
	123	0.001	0.011	-0.009	0.000	-0.005	0.005
165	128	0.421	-0.153	0.037	0.001	-0.031	0.102
	130	0.421	-0.153	0.037	0.001	0.005	-0.047
166	133	-0.302	0.000	0.000	0.004	0.000	0.000
	134	-0.302	0.000	0.000	0.004	0.000	0.000
167	135	-0.014	0.006	0.018	-0.001	-0.018	0.006
	136	-0.014	0.006	0.018	-0.001	-0.007	0.009
168	136	-0.470	-0.031	-0.027	0.001	-0.012	0.058
	137	-0.470	-0.031	-0.027	0.001	-0.028	0.039
169	137	-0.427	-0.026	0.035	0.000	-0.020	0.016
	138	-0.427	-0.026	0.035	0.000	0.016	-0.011
170	139	0.301	0.000	0.000	0.004	0.000	0.000
	140	0.301	0.000	0.000	0.004	0.000	0.000
171	141	0.022	-0.002	-0.031	0.001	0.026	-0.008
	142	0.022	-0.002	-0.031	0.001	0.007	-0.009
172	142	0.459	0.037	0.006	-0.001	0.012	-0.055
	143	0.459	0.037	0.006	-0.001	0.015	-0.033
173	143	0.452	0.017	-0.014	0.000	0.009	-0.012
	138	0.452	0.017	-0.014	0.000	-0.005	0.005
174	140	0.009	0.016	-0.007	0.000	0.000	0.000
	141	0.009	0.016	-0.007	0.000	-0.004	0.008
175	137	-0.036	-0.035	0.037	0.000	-0.025	0.023
	144	-0.036	-0.035	0.037	0.000	0.007	-0.006
176	134	-0.429	0.160	-0.045	-0.001	0.039	-0.108
	136	-0.429	0.160	-0.045	-0.001	-0.005	0.049
177	144	0.004	-0.026	0.008	0.000	0.007	0.001
	143	0.004	-0.026	0.008	0.000	0.013	-0.021
178	138	-0.009	0.039	-0.029	0.000	0.017	-0.016
	144	-0.009	0.039	-0.029	0.000	0.000	0.007
179	134	-0.003	0.011	-0.010	0.000	0.000	0.000
	135	-0.003	0.011	-0.010	0.000	-0.005	0.006
180	140	0.412	-0.151	0.037	0.001	-0.031	0.101
	142	0.412	-0.151	0.037	0.001	0.005	-0.046
181	145	-0.226	0.000	0.000	0.016	0.000	0.000
	146	-0.226	0.000	0.000	0.016	0.000	0.000
182	147	-0.013	0.006	0.020	-0.001	-0.019	0.006
	148	-0.013	0.006	0.020	-0.001	-0.007	0.009
183	148	-0.469	-0.033	-0.024	0.001	-0.012	0.058
	149	-0.469	-0.033	-0.024	0.001	-0.026	0.038
184	149	-0.428	-0.026	0.037	0.000	-0.021	0.015
	150	-0.428	-0.026	0.037	0.000	0.017	-0.011
185	151	0.234	0.000	0.000	0.016	0.000	0.000
	152	0.234	0.000	0.000	0.016	0.000	0.000
186	153	0.018	-0.002	-0.030	0.001	0.025	-0.008
	154	0.018	-0.002	-0.030	0.001	0.007	-0.009
187	154	0.460	0.038	0.008	-0.001	0.011	-0.055
	155	0.460	0.038	0.008	-0.001	0.016	-0.032
188	155	0.454	0.014	-0.010	0.000	0.007	-0.010
	150	0.454	0.014	-0.010	0.000	-0.003	0.004
189	152	0.008	0.015	-0.007	0.000	0.000	0.000
	153	0.008	0.015	-0.007	0.000	-0.004	0.008
190	149	-0.035	-0.033	0.039	0.000	-0.026	0.023
	156	-0.035	-0.033	0.039	0.000	0.007	-0.006
191	146	-0.429	0.159	-0.044	-0.001	0.038	-0.106
	148	-0.429	0.159	-0.044	-0.001	-0.005	0.048
192	156	0.002	-0.027	0.011	0.000	0.007	0.001
	155	0.002	-0.027	0.011	0.000	0.016	-0.022
193	150	-0.006	0.037	-0.028	0.000	0.016	-0.015
	156	-0.006	0.037	-0.028	0.000	0.000	0.006
194	146	-0.002	0.012	-0.010	0.000	0.000	0.000
	147	-0.002	0.012	-0.010	0.000	-0.005	0.006
195	152	0.417	-0.151	0.038	0.001	-0.032	0.101
	154	0.417	-0.151	0.038	0.001	0.005	-0.046
196	157	-0.359	6.809	0.016	0.179	-0.008	-6.571
	158	-0.359	6.809	0.016	0.179	0.009	0.238
197	159	-0.012	0.005	0.023	-0.001	-0.021	0.007
	278	-0.012	0.005	0.023	-0.001	-0.012	0.008
198	160	-0.466	-0.035	-0.021	0.001	-0.012	0.057
	161	-0.466	-0.035	-0.021	0.001	-0.024	0.036
199	161	-0.430	-0.025	0.038	0.000	-0.021	0.014
	162	-0.430	-0.025	0.038	0.000	0.018	-0.011
200	163	0.365	6.791	-0.007	0.171	0.005	-6.532
	164	0.365	6.791	-0.007	0.171	-0.002	0.259
201	165	0.015	-0.004	-0.027	0.001	0.023	-0.007
	283	0.015	-0.004	-0.027	0.001	0.013	-0.008
202	166	0.459	0.040	0.009	-0.001	0.011	-0.055
	167	0.459	0.040	0.009	-0.001	0.016	-0.031
203	167	0.455	0.010	-0.005	0.000	0.005	-0.008
	162	0.455	0.010	-0.005	0.000	-0.001	0.003
204	164	0.006	0.014	-0.006	0.000	0.000	0.000
	165	0.006	0.014	-0.006	0.000	-0.003	0.007
205	161	-0.035	-0.031	0.042	0.000	-0.029	0.022
	168	-0.035	-0.031	0.042	0.000	0.007	-0.005
206	158	-0.427	0.157	-0.044	-0.001	0.037	-0.105
	160	-0.427	0.157	-0.044	-0.001	-0.005	0.048
207	168	-0.002	-0.027	0.015	0.000	0.006	0.000
	167	-0.002	-0.027	0.015	0.000	0.019	-0.023
208	162	-0.004	0.033	-0.027	0.000	0.015	-0.014
	168	-0.004	0.033	-0.027	0.000	0.000	0.005
209	158	-0.001	0.014	-0.011	0.000	0.000	0.000
	159	-0.001	0.014	-0.011	0.000	-0.006	0.007
210	164	0.421	-0.149	0.036	0.001	-0.031	0.099
	166	0.421	-0.149	0.036	0.001	0.005	-0.046
211	169	-0.219	0.009	-0.001	0.013	0.000	0.000
	309	-0.219	0.009	-0.001	0.013	-0.001	0.007
212	171	-0.020	0.002	0.027	-0.001	-0.023	0.008
	172	-0.020	0.002	0.027	-0.001	-0.007	0.009
213	172	-0.449	-0.034	-0.015	0.001	-0.012	0.054
	277	-0.449	-0.034	-0.015	0.001	-0.014	0.049
214	173	-0.431	-0.024	0.040	0.000	-0.021	0.013
	174	-0.431	-0.024	0.040	0.000	0.020	-0.011
215	175	0.212	0.008	0.000	0.012	0.000	0.000
	310	0.212	0.008	0.000	0.012	0.000	0.007
216	177	0.017	-0.004	-0.023	0.001	0.020	-0.006
	178	0.017	-0.004	-0.023	0.001	0.006	-0.008
217	178	0.439	0.038	0.010	-0.001	0.010	-0.052
	282	0.439	0.038	0.010	-0.001	0.012	-0.047
218	179	0.449	0.005	0.002	0.000	0.000	-0.005
	174	0.449	0.005	0.002	0.000	0.003	0.000
219	176	0.004	0.012	-0.006	0.000	0.000	0.000
	177	0.004	0.012	-0.006	0.000	-0.003	0.006
220	173	-0.028	-0.028	0.048	0.000	-0.034	0.021
	180	-0.028	-0.028	0.048	0.000	0.006	-0.003
221	170	-0.404	0.149	-0.042	-0.001	0.036	-0.100
	172	-0.404	0.149	-0.042	-0.001	-0.005	0.045
222	180	-0.002	-0.029	0.023	0.000	0.006	0.000
	179	-0.002	-0.029	0.023	0.000	0.026	-0.024
223	174	0.001	0.026	-0.025	0.000	0.014	-0.012
	180	0.001	0.026	-0.025	0.000	0.000	0.003
224	170	-0.007	0.015	-0.013	0.000	0.000	0.000
	171	-0.007	0.015	-0.013	0.000	-0.006	0.008
225	176	0.399	-0.141	0.033	0.001	-0.028	0.094
	178	0.399	-0.141	0.033	0.001	0.004	-0.044
226	181	-0.255	0.003	0.000	0.030	0.000	0.000
	311	-0.255	0.003	0.000	0.030	0.000	0.002
227	183	-0.031	0.000	0.033	-0.001	-0.027	0.009
	184	-0.031	0.000	0.033	-0.001	-0.006	0.009
228	184	-0.433	-0.039	-0.003	0.001	-0.012	0.051
	276	-0.433	-0.039	-0.003	0.001	-0.013	0.031
229	185	-0.434	-0.021	0.045	0.000	-0.022	0.010
	186	-0.434	-0.021	0.045	0.000	0.024	-0.012
230	187	0.255	0.002	0.000	0.030	0.000	0.000
	312	0.255	0.002	0.000	0.030	0.000	0.001
231	189	0.020	-0.006	-0.016	0.001	0.016	-0.004
	190	0.020	-0.006	-0.016	0.001	0.006	-0.008
232	190	0.417	0.038	0.013	0.000	0.009	-0.048
	281	0.417	0.038	0.013	0.000	0.015	-0.028
233	191	0.438	-0.006	0.015	0.000	-0.007	0.001
	186	0.438	-0.006	0.015	0.000	0.009	-0.004
234	188	0.003	0.009	-0.004	0.000	0.000	0.000
	189	0.003	0.009	-0.004	0.000	-0.002	0.004
235	185	-0.023	-0.021	0.056	0.000	-0.041	0.018
	192	-0.023	-0.021	0.056	0.000	0.006	-0.001
236	182	-0.381	0.135	-0.037	-0.001	0.030	-0.090
	184	-0.381	0.135	-0.037	-0.001	-0.005	0.042
237	192	-0.009	-0.031	0.034	0.000	0.006	0.000
	191	-0.009	-0.031	0.034	0.000	0.035	-0.026
238	186	0.009	0.015	-0.021	0.000	0.012	-0.008
	192	0.009	0.015	-0.021	0.000	0.000	0.000
239	182	-0.015	0.018	-0.015	0.000	0.000	0.000
	183	-0.015	0.018	-0.015	0.000	-0.008	0.009
240	188	0.379	-0.129	0.029	0.001	-0.025	0.086
	190	0.379	-0.129	0.029	0.001	0.003	-0.040

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
241	193	-0.211	0.014	0.000	0.051	0.000	0.000
	313	-0.211	0.014	0.000	0.051	0.000	0.005
242	195	-0.032	-0.003	0.044	-0.001	-0.033	0.011
	196	-0.032	-0.003	0.044	-0.001	-0.006	0.010
243	196	-0.386	-0.046	0.016	0.001	-0.012	0.046
	266	-0.386	-0.046	0.016	0.001	-0.009	0.039
244	197	-0.432	-0.019	0.053	0.000	-0.024	0.006
	275	-0.432	-0.019	0.053	0.000	-0.009	0.000
245	199	0.354	0.016	0.000	0.049	0.000	0.000
	314	0.354	0.016	0.000	0.049	0.000	0.006
246	201	0.003	-0.011	-0.006	0.000	0.009	-0.002
	202	0.003	-0.011	-0.006	0.000	0.005	-0.008
247	202	0.369	0.042	0.016	0.000	0.007	-0.043
	268	0.369	0.042	0.016	0.000	0.010	-0.037
248	203	0.442	-0.022	0.037	0.000	-0.018	0.011
	280	0.442	-0.022	0.037	0.000	-0.008	0.005
249	200	-0.014	0.004	-0.002	0.000	0.000	0.000
	201	-0.014	0.004	-0.002	0.000	-0.001	0.002
250	197	-0.016	-0.010	0.067	0.000	-0.051	0.012
	204	-0.016	-0.010	0.067	0.000	0.006	0.003
251	194	-0.339	0.111	-0.028	-0.001	0.021	-0.072
	196	-0.339	0.111	-0.028	-0.001	-0.006	0.036
252	204	-0.019	-0.033	0.051	0.000	0.006	-0.001
	203	-0.019	-0.033	0.051	0.000	0.049	-0.029
253	198	0.023	-0.003	-0.016	0.001	0.009	-0.002
	204	0.023	-0.003	-0.016	0.001	0.000	-0.004
254	194	-0.010	0.023	-0.019	0.000	0.000	0.000
	195	-0.010	0.023	-0.019	0.000	-0.009	0.011
255	200	0.353	-0.108	0.021	0.000	-0.018	0.071
	202	0.353	-0.108	0.021	0.000	0.002	-0.035
256	205	-0.314	0.029	-0.001	0.062	0.000	0.000
	315	-0.314	0.029	-0.001	0.062	0.000	0.006
257	207	-0.211	-0.012	0.056	-0.001	-0.040	0.015
	208	-0.211	-0.012	0.056	-0.001	-0.006	0.008
258	208	-0.397	-0.030	0.041	0.001	-0.012	0.029
	209	-0.397	-0.030	0.041	0.001	0.013	0.010
259	209	-0.409	-0.019	0.065	0.000	-0.028	0.003
	265	-0.409	-0.019	0.065	0.000	-0.009	-0.003
260	211	0.696	0.156	0.002	0.053	0.000	0.000
	316	0.696	0.156	0.002	0.053	0.000	0.031
261	213	0.119	-0.015	0.012	0.000	-0.003	0.003
	214	0.119	-0.015	0.012	0.000	0.004	-0.006
262	214	0.372	0.032	0.016	0.000	0.004	-0.029
	215	0.372	0.032	0.016	0.000	0.014	-0.010
263	215	0.367	-0.039	0.062	0.000	-0.031	0.021
	267	0.367	-0.039	0.062	0.000	-0.014	0.010
264	212	0.022	-0.005	0.005	0.000	0.000	0.000
	213	0.022	-0.005	0.005	0.000	0.003	-0.003
265	209	-0.034	-0.002	0.078	0.000	-0.060	0.008
	216	-0.034	-0.002	0.078	0.000	0.006	0.007
266	206	-0.176	0.062	-0.015	-0.001	0.009	-0.040
	208	-0.176	0.062	-0.015	-0.001	-0.006	0.021
267	216	-0.053	-0.035	0.066	0.000	0.005	-0.002
	215	-0.053	-0.035	0.066	0.000	0.062	-0.031
268	210	0.033	-0.019	-0.012	0.001	0.007	0.002
	216	0.033	-0.019	-0.012	0.001	0.000	-0.008
269	206	-0.208	0.030	-0.025	0.000	0.000	0.000
	207	-0.208	0.030	-0.025	0.000	-0.013	0.015
270	212	0.250	-0.065	0.004	0.000	-0.004	0.040
	214	0.250	-0.065	0.004	0.000	0.000	-0.023
271	217	-1.455	-0.195	0.141	0.586	-0.058	-0.170
	218	-1.455	-0.195	0.141	0.586	0.083	-0.365
272	219	-0.793	-0.029	0.052	0.000	-0.033	0.017
	220	-0.793	-0.029	0.052	0.000	-0.002	0.000
273	220	-0.774	-0.003	0.050	0.001	-0.002	-0.001
	221	-0.774	-0.003	0.050	0.001	0.028	-0.003
274	221	-0.527	-0.023	0.061	0.000	-0.029	0.008
	222	-0.527	-0.023	0.061	0.000	0.033	-0.016
275	223	1.007	-0.183	-0.169	0.588	0.064	-0.174
	224	1.007	-0.183	-0.169	0.588	-0.105	-0.357
276	225	0.870	0.011	0.005	0.000	-0.002	-0.006
	226	0.870	0.011	0.005	0.000	0.001	0.000
277	226	0.873	0.010	0.004	0.001	0.001	-0.002
	227	0.873	0.010	0.004	0.001	0.004	0.004
278	227	0.618	-0.030	0.065	0.000	-0.035	0.015
	222	0.618	-0.030	0.065	0.000	0.032	-0.016
279	224	0.849	-0.017	0.001	0.000	0.000	0.000
	225	0.849	-0.017	0.001	0.000	0.000	-0.008
280	3	1.680	-0.025	0.034	0.000	-0.011	0.004
	273	1.680	-0.025	0.034	0.000	0.010	-0.011
281	269	-0.395	-0.022	0.039	0.000	-0.018	0.010
	30	-0.395	-0.022	0.039	0.000	0.011	-0.006
282	269	1.388	0.049	-0.056	0.000	0.010	-0.007
	270	1.388	0.049	-0.056	0.000	-0.025	0.023
283	270	-0.671	0.065	1.062	0.001	-0.070	0.037
	41	-0.671	0.065	1.062	0.001	0.026	0.043
284	218	-1.449	0.017	-0.017	0.000	0.000	0.000
	219	-1.449	0.017	-0.017	0.000	-0.009	0.009
285	225	0.610	-0.030	0.035	0.000	-0.018	0.015
	212	0.610	-0.030	0.035	0.000	0.007	-0.006
286	225	-0.449	0.024	-0.091	0.000	0.026	-0.004
	213	-0.449	0.024	-0.091	0.000	-0.020	0.007
287	224	-0.864	-0.090	-3.761	-0.939	1.991	0.070
	212	-0.864	-0.090	-3.761	-0.939	0.110	0.025
288	21	0.273	-0.067	0.164	0.000	-0.034	0.015
	7	0.273	-0.067	0.164	0.000	0.048	-0.019
289	20	-0.870	0.228	3.598	0.869	0.118	-0.031
	13	-0.870	0.228	3.598	0.869	1.916	0.083
290	33	0.183	-0.030	0.059	0.000	-0.025	0.013
	21	0.183	-0.030	0.059	0.000	0.005	-0.002
291	32	-1.200	-0.077	2.105	0.845	-0.871	0.002
	20	-1.200	-0.077	2.105	0.845	0.182	-0.036
292	45	0.111	-0.021	0.050	0.000	-0.016	0.007
	33	0.111	-0.021	0.050	0.000	0.009	-0.003
293	44	-1.177	0.007	0.568	0.803	-1.105	0.001
	32	-1.177	0.007	0.568	0.803	-0.821	0.004
294	57	0.044	-0.035	0.073	0.000	-0.020	0.010
	45	0.044	-0.035	0.073	0.000	0.016	-0.008
295	56	-1.141	0.021	-0.988	0.745	-0.587	-0.001
	44	-1.141	0.021	-0.988	0.745	-1.081	0.009
296	69	-0.020	-0.026	0.056	0.000	-0.017	0.008
	57	-0.020	-0.026	0.056	0.000	0.011	-0.005
297	68	-1.083	0.060	-2.562	0.671	0.686	-0.015
	56	-1.083	0.060	-2.562	0.671	-0.595	0.015
298	81	-0.078	-0.028	0.059	0.000	-0.018	0.009
	69	-0.078	-0.028	0.059	0.000	0.012	-0.005
299	80	-0.847	-0.020	2.426	0.308	-0.355	-0.004
	68	-0.847	-0.020	2.426	0.308	0.858	-0.014
300	93	-0.129	-0.022	0.048	0.000	-0.015	0.007
	81	-0.129	-0.022	0.048	0.000	0.009	-0.004
301	92	-0.804	0.059	0.769	0.214	-0.736	-0.010
	80	-0.804	0.059	0.769	0.214	-0.352	0.019
302	105	-0.174	-0.021	0.046	0.000	-0.013	0.006
	93	-0.174	-0.021	0.046	0.000	0.010	-0.004
303	104	-0.759	0.047	-0.896	0.116	-0.298	-0.007
	92	-0.759	0.047	-0.896	0.116	-0.746	0.016
304	117	-0.217	-0.021	0.045	0.000	-0.012	0.006
	105	-0.217	-0.021	0.045	0.000	0.010	-0.005
305	116	-0.713	0.093	-2.576	0.014	0.968	-0.026
	104	-0.713	0.093	-2.576	0.014	-0.320	0.021
306	129	-0.259	-0.022	0.047	0.000	-0.012	0.006
	117	-0.259	-0.022	0.047	0.000	0.011	-0.005
307	128	-0.652	0.001	2.540	0.020	-0.307	-0.006
	116	-0.652	0.001	2.540	0.020	0.963	-0.006
308	141	-0.300	-0.022	0.046	0.000	-0.013	0.006
	129	-0.300	-0.022	0.046	0.000	0.010	-0.005
309	140	-0.607	0.062	0.857	-0.082	-0.743	-0.011
	128	-0.607	0.062	0.857	-0.082	-0.314	0.020
310	153	-0.338	-0.020	0.043	0.000	-0.012	0.006
	141	-0.338	-0.020	0.043	0.000	0.009	-0.004
311	152	-0.562	0.047	-0.819	-0.183	-0.353	-0.007
	140	-0.562	0.047	-0.819	-0.183	-0.762	0.016
312	165	-0.375	-0.019	0.041	0.000	-0.012	0.006
	153	-0.375	-0.019	0.041	0.000	0.009	-0.004
313	164	-0.517	0.102	-2.498	-0.285	0.865	-0.030
	152	-0.517	0.102	-2.498	-0.285	-0.384	0.021
314	177	-0.409	-0.020	0.041	0.000	-0.013	0.007
	165	-0.409	-0.020	0.041	0.000	0.008	-0.003
315	176	-0.530	0.008	2.592	-0.643	-0.617	-0.005
	164	-0.530	0.008	2.592	-0.643	0.679	-0.001
316	189	-0.438	-0.018	0.037	0.000	-0.014	0.007
	177	-0.438	-0.018	0.037	0.000	0.004	-0.001
317	188	-0.502	0.062	0.989	-0.738	-1.126	-0.012
	176	-0.502	0.062	0.989	-0.738	-0.632	0.019
318	201	-0.458	-0.014	0.026	0.000	-0.014	0.008
	189	-0.458	-0.014	0.026	0.000	-0.001	0.001
319	200	-0.473	0.070	-0.609	-0.823	-0.863	-0.025
	188	-0.473	0.070	-0.609	-0.823	-1.167	0.010
320	213	-0.466	-0.008	0.021	0.000	-0.017	0.008
	201	-0.466	-0.008	0.021	0.000	-0.006	0.004
321	212	-0.451	-0.049	-2.207	-0.894	0.179	0.015
	200	-0.451	-0.049	-2.207	-0.894	-0.925	-0.009
322	222	0.004	0.006	-0.203	0.000	0.054	0.000
	210	0.004	0.006	-0.203	0.000	-0.048	0.004
323	18	-1.299	-0.067	0.092	0.000	-0.023	0.019
	3	-1.299	-0.067	0.092	0.000	0.023	-0.014

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
324	30	-1.176	-0.103	0.035	0.000	-0.015	0.029
	18	-1.176	-0.103	0.035	0.000	0.002	-0.023
325	42	-1.042	-0.089	0.002	0.000	-0.005	0.026
	30	-1.042	-0.089	0.002	0.000	-0.004	-0.019
326	54	-0.958	-0.045	0.046	0.000	-0.013	0.014
	42	-0.958	-0.045	0.046	0.000	0.010	-0.008
327	66	-0.880	-0.059	0.019	0.000	-0.008	0.016
	54	-0.880	-0.059	0.019	0.000	0.002	-0.014
328	78	-0.800	-0.057	0.017	0.000	-0.007	0.015
	66	-0.800	-0.057	0.017	0.000	0.002	-0.013
329	90	-0.715	-0.066	-0.005	0.000	-0.002	0.018
	78	-0.715	-0.066	-0.005	0.000	-0.004	-0.015
330	102	-0.628	-0.061	-0.011	0.000	0.001	0.016
	90	-0.628	-0.061	-0.011	0.000	-0.004	-0.014
331	114	-0.543	-0.059	-0.014	0.000	0.003	0.015
	102	-0.543	-0.059	-0.014	0.000	-0.004	-0.014
332	126	-0.461	-0.059	-0.012	0.000	0.003	0.015
	114	-0.461	-0.059	-0.012	0.000	-0.004	-0.014
333	138	-0.381	-0.058	-0.014	0.000	0.003	0.015
	126	-0.381	-0.058	-0.014	0.000	-0.005	-0.014
334	150	-0.303	-0.056	-0.020	0.000	0.004	0.015
	138	-0.303	-0.056	-0.020	0.000	-0.006	-0.013
335	162	-0.228	-0.054	-0.025	0.000	0.005	0.015
	150	-0.228	-0.054	-0.025	0.000	-0.008	-0.013
336	174	-0.157	-0.053	-0.029	0.000	0.005	0.015
	162	-0.157	-0.053	-0.029	0.000	-0.010	-0.012
337	186	-0.094	-0.048	-0.040	0.000	0.005	0.015
	174	-0.094	-0.048	-0.040	0.000	-0.015	-0.009
338	198	-0.044	-0.038	-0.062	0.000	0.009	0.013
	186	-0.044	-0.038	-0.062	0.000	-0.022	-0.005
339	210	-0.011	-0.032	-0.089	0.000	0.012	0.014
	198	-0.011	-0.032	-0.089	0.000	-0.033	-0.002
340	219	-0.103	0.051	-0.184	0.000	0.056	-0.019
	207	-0.103	0.051	-0.184	0.000	-0.036	0.007
341	218	0.872	0.237	-3.724	-0.951	1.987	-0.093
	206	0.872	0.237	-3.724	-0.951	0.125	0.025
342	15	0.382	-0.047	0.098	0.000	-0.023	0.012
	2	0.382	-0.047	0.098	0.000	0.026	-0.012
343	14	0.769	-0.086	3.468	0.872	0.112	-0.022
	12	0.769	-0.086	3.468	0.872	1.845	-0.065
344	27	0.393	0.012	-0.026	0.000	-0.007	0.006
	15	0.393	0.012	-0.026	0.000	-0.020	0.012
345	26	0.454	-0.043	1.967	0.836	-0.811	0.007
	14	0.454	-0.043	1.967	0.836	0.172	-0.015
346	39	0.384	0.031	-0.054	0.000	0.015	-0.010
	27	0.384	0.031	-0.054	0.000	-0.012	0.006
347	38	0.474	0.018	0.528	0.791	-1.018	0.011
	26	0.474	0.018	0.528	0.791	-0.754	0.020
348	51	0.405	-0.024	0.065	0.000	-0.013	0.004
	39	0.405	-0.024	0.065	0.000	0.020	-0.008
349	50	0.491	0.122	-0.831	0.740	-0.564	-0.031
	38	0.491	0.122	-0.831	0.740	-0.979	0.030
350	63	0.447	0.012	-0.001	0.000	-0.005	0.000
	51	0.447	0.012	-0.001	0.000	-0.005	0.006
351	62	0.506	0.002	-2.362	0.663	0.636	-0.004
	50	0.506	0.002	-2.362	0.663	-0.545	-0.003
352	75	0.495	-0.008	0.010	0.000	-0.006	0.005
	63	0.495	-0.008	0.010	0.000	-0.001	0.001
353	74	0.387	0.137	2.543	0.336	-0.405	-0.028
	62	0.387	0.137	2.543	0.336	0.867	0.041
354	87	0.322	0.003	-0.040	0.000	0.005	0.003
	75	0.322	0.003	-0.040	0.000	-0.015	0.004
355	86	0.436	0.047	0.841	0.231	-0.788	-0.018
	74	0.436	0.047	0.841	0.231	-0.367	0.005
356	99	0.298	-0.008	-0.029	0.000	0.006	0.003
	87	0.298	-0.008	-0.029	0.000	-0.008	-0.001
357	98	0.489	0.078	-0.857	0.123	-0.334	-0.023
	86	0.489	0.078	-0.857	0.123	-0.763	0.016
358	111	0.274	-0.008	-0.030	0.000	0.007	0.002
	99	0.274	-0.008	-0.030	0.000	-0.008	-0.002
359	110	0.542	0.025	-2.552	0.015	0.955	-0.002
	98	0.542	0.025	-2.552	0.015	-0.321	0.010
360	123	0.248	-0.010	-0.028	0.000	0.007	0.003
	111	0.248	-0.010	-0.028	0.000	-0.007	-0.002
361	122	0.590	0.118	2.626	0.024	-0.330	-0.024
	110	0.590	0.118	2.626	0.024	0.983	0.035
362	135	0.221	-0.010	-0.028	0.000	0.006	0.003
	123	0.221	-0.010	-0.028	0.000	-0.008	-0.002
363	134	0.645	0.061	0.931	-0.086	-0.768	-0.020
	122	0.645	0.061	0.931	-0.086	-0.302	0.011
364	147	0.194	-0.010	-0.032	0.000	0.006	0.003
	135	0.194	-0.010	-0.032	0.000	-0.009	-0.001
365	146	0.700	0.074	-0.757	-0.193	-0.374	-0.023
	134	0.700	0.074	-0.757	-0.193	-0.752	0.014
366	159	0.163	-0.011	-0.033	0.000	0.007	0.004
	147	0.163	-0.011	-0.033	0.000	-0.010	-0.002
367	158	0.754	0.011	-2.446	-0.299	0.852	0.004
	146	0.754	0.011	-2.446	-0.299	-0.371	0.009
368	171	0.129	-0.013	-0.033	0.000	0.005	0.005
	159	0.129	-0.013	-0.033	0.000	-0.011	-0.002
369	170	0.862	0.099	2.653	-0.643	-0.635	-0.022
	158	0.862	0.099	2.653	-0.643	0.692	0.027
370	183	0.089	-0.016	-0.035	0.000	0.004	0.007
	171	0.089	-0.016	-0.035	0.000	-0.014	-0.001
371	182	0.931	0.051	1.037	-0.743	-1.137	-0.017
	170	0.931	0.051	1.037	-0.743	-0.619	0.009
372	195	0.041	-0.018	-0.043	0.000	0.003	0.010
	183	0.041	-0.018	-0.043	0.000	-0.019	0.000
373	194	0.989	0.034	-0.576	-0.833	-0.863	-0.008
	182	0.989	0.034	-0.576	-0.833	-1.151	0.009
374	207	-0.022	-0.028	-0.045	0.000	-0.002	0.016
	195	-0.022	-0.028	-0.045	0.000	-0.025	0.002
375	206	1.038	-0.001	-2.184	-0.905	0.186	0.011
	194	1.038	-0.001	-2.184	-0.905	-0.906	0.011
376	13	-5.072	0.201	-1.021	0.166	1.353	-0.544
	239	-5.072	0.201	-1.021	0.166	0.843	-0.444
377	10	0.026	0.002	0.000	0.000	0.000	0.001
	236	0.026	0.002	0.000	0.000	0.000	0.002
378	230	6.427	1.369	-1.005	0.158	0.079	-0.595
	244	6.427	1.369	-1.005	0.158	-0.324	-0.047
379	231	-4.551	1.064	-1.009	0.064	0.843	-0.555
	229	-4.551	1.064	-1.009	0.064	-0.165	0.509
380	232	5.093	1.217	0.985	0.062	-0.828	-0.622
	230	5.093	1.217	0.985	0.062	0.157	0.595
381	233	0.536	0.013	-0.049	0.000	-0.001	0.002
	3	0.536	0.013	-0.049	0.000	-0.027	0.009
382	229	0.019	0.001	0.000	0.000	0.000	0.000
	235	0.019	0.001	0.000	0.000	0.000	0.001
383	234	-1.509	0.019	-0.025	0.000	0.001	0.000
	3	-1.509	0.019	-0.025	0.000	-0.012	0.010
384	230	0.004	-0.001	0.001	0.000	0.000	0.000
	236	0.004	-0.001	0.001	0.000	0.001	-0.001
385	237	-0.022	-0.002	-0.001	0.000	0.000	-0.001
	8	-0.022	-0.002	-0.001	0.000	-0.001	-0.001
386	235	0.017	-0.025	0.000	0.000	0.000	0.001
	233	0.017	-0.025	0.000	0.000	0.000	-0.006
387	238	-0.101	0.007	-0.005	0.000	-0.004	0.005
	9	-0.101	0.007	-0.005	0.000	-0.006	0.009
388	236	0.006	0.025	0.001	0.000	0.001	-0.003
	234	0.006	0.025	0.001	0.000	0.001	0.004
389	239	-5.886	1.019	-1.025	0.167	0.844	-0.449
	240	-5.886	1.019	-1.025	0.167	0.331	0.061
390	237	-0.022	-0.002	0.001	0.000	0.000	0.001
	290	-0.022	-0.002	0.001	0.000	0.000	0.001
391	240	-5.894	1.120	-1.030	0.167	0.331	0.061
	229	-5.894	1.120	-1.030	0.167	-0.081	0.509
392	238	-0.101	0.007	0.005	0.000	-0.004	-0.005
	291	-0.101	0.007	0.005	0.000	-0.001	-0.001
393	241	0.008	0.002	0.001	0.000	0.000	0.001
	4	0.008	0.002	0.001	0.000	0.001	0.001
394	242	0.115	-0.006	0.016	0.000	0.011	-0.004
	5	0.115	-0.006	0.016	0.000	0.019	-0.007
395	241	0.008	0.002	-0.001	0.000	0.000	-0.001
	292	0.008	0.002	-0.001	0.000	0.000	-0.001
396	242	0.115	-0.006	-0.016	0.000	0.011	0.004
	293	0.115	-0.006	-0.016	0.000	0.002	0.001
397	243	4.980	-0.188	-0.951	0.164	-0.824	0.577
	12	4.980	-0.188	-0.951	0.164	-1.300	0.482
398	244	6.433	1.254	-0.989	0.158	-0.324	-0.047
	243	6.433	1.254	-0.989	0.158	-0.818	0.580
399	228	0.000	0.000	0.000	0.000	0.000	0.000
	245	0.000	0.000	0.000	0.000	0.000	0.000
400	224	-5.247	0.248	1.033	-0.175	-1.403	-0.582
	246	-5.247	0.248	1.033	-0.175	-0.887	-0.458
401	228	0.000	0.000	0.000	0.000	0.000	0.000
	247	0.000	0.000	0.000	0.000	0.000	0.000
402	248	6.030	1.148	1.081	-0.172	-0.085	-0.524
	249	6.030	1.148	1.081	-0.172	0.347	-0.065
403	250	-4.703	1.100	1.063	-0.068	-0.894	-0.571
	251	-4.703	1.100	1.063	-0.068	0.169	0.529
404	252	4.675	1.093	-1.058	-0.068	0.888	-0.569
	248	4.675	1.093	-1.058	-0.068	-0.171	0.524
405	251	0.000	0.000	0.000	0.000	0.000	0.000
	284	0.000	0.000	0.000	0.000	0.000	0.000
406	248	0.000	0.000	0.000	0.000	0.000	0.000
	247	0.000	0.000	0.000	0.000	0.000	0.000

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
407	253	0.001	0.002	0.001	0.000	0.000	0.001
	226	0.001	0.002	0.001	0.000	0.001	0.002
408	245	0.000	0.000	0.000	0.000	0.000	0.000
	254	0.000	0.000	0.000	0.000	0.000	0.000
409	255	-0.154	-0.009	0.020	0.000	0.013	-0.006
	227	-0.154	-0.009	0.020	0.000	0.023	-0.011
410	247	0.000	0.000	0.000	0.000	0.000	0.000
	256	0.000	0.000	0.000	0.000	0.000	0.000
411	246	-6.037	1.029	1.066	-0.170	-0.882	-0.459
	257	-6.037	1.029	1.066	-0.170	-0.349	0.055
412	253	0.001	0.002	-0.001	0.000	0.000	-0.001
	285	0.001	0.002	-0.001	0.000	0.000	-0.001
413	257	-6.028	1.183	1.086	-0.170	-0.349	0.055
	251	-6.028	1.183	1.086	-0.170	0.086	0.529
414	255	-0.154	-0.009	-0.020	0.000	0.013	0.006
	287	-0.154	-0.009	-0.020	0.000	0.003	0.001
415	258	0.032	-0.001	-0.001	0.000	0.000	0.000
	220	0.032	-0.001	-0.001	0.000	-0.001	-0.001
416	259	0.092	0.010	-0.013	0.000	-0.009	0.007
	221	0.092	0.010	-0.013	0.000	-0.016	0.012
417	258	0.032	-0.001	0.001	0.000	0.000	0.000
	288	0.032	-0.001	0.001	0.000	0.000	0.000
418	259	0.092	0.010	0.013	0.000	-0.009	-0.007
	289	0.092	0.010	0.013	0.000	-0.002	-0.001
419	260	5.256	0.243	1.031	-0.177	0.885	0.465
	218	5.256	0.243	1.031	-0.177	1.401	0.586
420	249	6.020	1.056	1.068	-0.172	0.347	-0.065
	260	6.020	1.056	1.068	-0.172	0.881	0.464
421	219	0.324	-0.031	0.042	0.000	-0.021	0.016
	206	0.324	-0.031	0.042	0.000	0.008	-0.006
422	2	-0.457	0.010	-0.021	0.000	0.011	-0.005
	14	-0.457	0.010	-0.021	0.000	-0.004	0.002
423	7	-0.497	0.006	-0.024	0.000	0.013	-0.004
	20	-0.497	0.006	-0.024	0.000	-0.004	0.000
424	261	0.317	0.058	-0.053	-0.001	0.001	-0.024
	35	0.317	0.058	-0.053	-0.001	-0.023	0.003
425	270	0.047	0.011	-0.022	0.000	0.010	0.002
	271	0.047	0.011	-0.022	0.000	-0.003	0.009
426	262	0.470	0.033	-0.059	0.000	0.012	-0.007
	18	0.470	0.033	-0.059	0.000	-0.032	0.018
427	271	-0.472	-0.013	0.054	0.000	-0.033	0.038
	53	-0.472	-0.013	0.054	0.000	-0.008	0.032
428	263	-0.277	-0.001	-0.031	0.000	-0.004	0.005
	273	-0.277	-0.001	-0.031	0.000	-0.015	0.005
429	271	-0.098	-0.001	-0.010	0.000	0.003	0.006
	272	-0.098	-0.001	-0.010	0.000	-0.003	0.006
430	264	-0.179	0.004	-0.012	0.000	-0.005	0.019
	29	-0.179	0.004	-0.012	0.000	-0.010	0.021
431	272	-0.033	0.024	0.040	-0.001	-0.021	0.008
	64	-0.033	0.024	0.040	-0.001	-0.012	0.013
432	265	-0.409	-0.019	0.065	0.000	-0.009	-0.003
	274	-0.409	-0.019	0.065	0.000	0.015	-0.010
433	272	-0.204	0.001	-0.014	0.000	0.006	0.002
	75	-0.204	0.001	-0.014	0.000	-0.002	0.002
434	266	-0.386	-0.046	0.016	0.001	-0.009	0.039
	197	-0.386	-0.046	0.016	0.001	-0.002	0.018
435	273	1.592	-0.001	0.012	0.000	0.003	-0.007
	269	1.592	-0.001	0.012	0.000	0.010	-0.008
436	267	0.367	-0.039	0.062	0.000	-0.014	0.010
	279	0.367	-0.039	0.062	0.000	0.009	-0.005
437	273	-0.353	-0.012	0.022	0.000	-0.007	0.005
	18	-0.353	-0.012	0.022	0.000	0.001	0.000
438	268	0.369	0.042	0.016	0.000	0.010	-0.037
	203	0.369	0.042	0.016	0.000	0.017	-0.018
439	283	0.015	-0.004	-0.027	0.001	0.013	-0.008
	166	0.015	-0.004	-0.027	0.001	0.007	-0.009
440	282	0.439	0.038	0.010	-0.001	0.012	-0.047
	179	0.439	0.038	0.010	-0.001	0.016	-0.029
441	281	0.417	0.038	0.013	0.000	0.015	-0.028
	191	0.417	0.038	0.013	0.000	0.017	-0.025
442	280	0.442	-0.022	0.037	0.000	-0.008	0.005
	198	0.442	-0.022	0.037	0.000	0.019	-0.011
443	279	0.367	-0.039	0.062	0.000	0.009	-0.005
	210	0.367	-0.039	0.062	0.000	0.032	-0.019
444	223	0.000	0.000	0.066	0.000	-0.011	0.000
	211	0.000	0.000	0.066	0.000	0.022	0.000
445	278	-0.012	0.005	0.023	-0.001	-0.012	0.008
	160	-0.012	0.005	0.023	-0.001	-0.007	0.009
446	277	-0.449	-0.034	-0.015	0.001	-0.014	0.049
	173	-0.449	-0.034	-0.015	0.001	-0.021	0.033
447	276	-0.433	-0.039	-0.003	0.001	-0.013	0.031
	185	-0.433	-0.039	-0.003	0.001	-0.014	0.027
448	275	-0.432	-0.019	0.053	0.000	-0.009	0.000
	198	-0.432	-0.019	0.053	0.000	0.030	-0.014
449	274	-0.409	-0.019	0.065	0.000	0.015	-0.010
	210	-0.409	-0.019	0.065	0.000	0.039	-0.017
450	19	0.000	0.000	-0.077	0.000	0.026	0.000
	6	0.000	0.000	-0.077	0.000	-0.013	0.000
451	31	0.000	0.000	-0.124	0.000	0.028	0.000
	19	0.000	0.000	-0.124	0.000	-0.034	0.000
452	43	0.000	0.000	-0.076	0.000	0.018	0.000
	31	0.000	0.000	-0.076	0.000	-0.020	0.000
453	55	0.000	0.000	-0.041	0.000	0.009	0.000
	43	0.000	0.000	-0.041	0.000	-0.012	0.000
454	67	0.000	0.000	-0.012	0.000	0.002	0.000
	55	0.000	0.000	-0.012	0.000	-0.004	0.000
455	79	0.000	0.000	-0.024	0.000	0.008	0.000
	67	0.000	0.000	-0.024	0.000	-0.004	0.000
456	91	0.000	0.000	-0.029	0.000	0.005	0.000
	79	0.000	0.000	-0.029	0.000	-0.009	0.000
457	103	0.000	0.000	0.007	0.000	-0.003	0.000
	91	0.000	0.000	0.007	0.000	0.000	0.000
458	115	0.000	0.000	0.011	0.000	-0.002	0.000
	103	0.000	0.000	0.011	0.000	0.004	0.000
459	127	0.000	0.000	-0.013	0.000	0.004	0.000
	115	0.000	0.000	-0.013	0.000	-0.002	0.000
460	139	0.000	0.000	-0.010	0.000	0.001	0.000
	127	0.000	0.000	-0.010	0.000	-0.004	0.000
461	151	0.000	0.000	0.026	0.000	-0.008	0.000
	139	0.000	0.000	0.026	0.000	0.005	0.000
462	163	0.000	0.000	0.023	0.000	-0.004	0.000
	151	0.000	0.000	0.023	0.000	0.008	0.000
463	175	0.000	0.000	0.011	0.000	-0.004	0.000
	163	0.000	0.000	0.011	0.000	0.002	0.000
464	187	0.000	0.000	0.041	0.000	-0.012	0.000
	175	0.000	0.000	0.041	0.000	0.009	0.000
465	199	0.000	0.000	0.079	0.000	-0.021	0.000
	187	0.000	0.000	0.079	0.000	0.018	0.000
466	211	0.000	0.000	0.116	0.000	-0.030	0.000
	199	0.000	0.000	0.116	0.000	0.028	0.000
467	217	0.000	0.000	0.080	0.000	-0.013	0.000
	205	0.000	0.000	0.080	0.000	0.027	0.000
468	11	0.000	0.000	-0.075	0.000	0.025	0.000
	1	0.000	0.000	-0.075	0.000	-0.013	0.000
469	25	0.000	0.000	-0.120	0.000	0.028	0.000
	11	0.000	0.000	-0.120	0.000	-0.033	0.000
470	37	0.000	0.000	-0.075	0.000	0.017	0.000
	25	0.000	0.000	-0.075	0.000	-0.020	0.000
471	49	0.000	0.000	-0.044	0.000	0.010	0.000
	37	0.000	0.000	-0.044	0.000	-0.012	0.000
472	284	0.000	0.000	0.000	0.000	0.000	0.000
	245	0.000	0.000	0.000	0.000	0.000	0.000
473	61	0.000	0.000	-0.014	0.000	0.002	0.000
	49	0.000	0.000	-0.014	0.000	-0.005	0.000
474	285	0.001	0.002	-0.001	0.000	0.000	-0.001
	246	0.001	0.002	-0.001	0.000	0.000	0.000
475	73	0.000	0.000	-0.026	0.000	0.009	0.000
	61	0.000	0.000	-0.026	0.000	-0.004	0.000
476	287	-0.154	-0.009	-0.020	0.000	0.003	0.001
	257	-0.154	-0.009	-0.020	0.000	0.000	0.000
477	85	0.000	0.000	-0.031	0.000	0.006	0.000
	73	0.000	0.000	-0.031	0.000	-0.010	0.000
478	97	0.000	0.000	0.006	0.000	-0.003	0.000
	85	0.000	0.000	0.006	0.000	0.000	0.000
479	288	0.032	-0.001	0.001	0.000	0.000	0.000
	260	0.032	-0.001	0.001	0.000	0.000	0.000
480	109	0.000	0.000	0.011	0.000	-0.002	0.000
	97	0.000	0.000	0.011	0.000	0.004	0.000
481	289	0.092	0.010	0.013	0.000	-0.002	-0.001
	249	0.092	0.010	0.013	0.000	0.000	0.000
482	121	0.000	0.000	-0.012	0.000	0.004	0.000
	109	0.000	0.000	-0.012	0.000	-0.002	0.000
483	133	0.000	0.000	-0.009	0.000	0.001	0.000
	121	0.000	0.000	-0.009	0.000	-0.004	0.000
484	145	0.000	0.000	0.027	0.000	-0.008	0.000
	133	0.000	0.000	0.027	0.000	0.005	0.000
485	157	0.000	0.000	0.024	0.000	-0.004	0.000
	145	0.000	0.000	0.024	0.000	0.008	0.000
486	169	0.000	0.000	0.012	0.000	-0.004	0.000
	157	0.000	0.000	0.012	0.000	0.002	0.000
487	181	0.000	0.000	0.042	0.000	-0.012	0.000
	169	0.000	0.000	0.042	0.000	0.009	0.000
488	193	0.000	0.000	0.079	0.000	-0.021	0.000
	181	0.000	0.000	0.079	0.000	0.018	0.000
489	290	-0.022	-0.002	0.001	0.000	0.000	0.001
	239	-0.022	-0.002	0.001	0.000	0.000	0.000

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
490	291	-0.101	0.007	0.005	0.000	-0.001	-0.001
	240	-0.101	0.007	0.005	0.000	0.000	0.000
491	292	0.008	0.002	-0.001	0.000	0.000	-0.001
	243	0.008	0.002	-0.001	0.000	0.000	0.000
492	293	0.115	-0.006	-0.016	0.000	0.002	0.001
	244	0.115	-0.006	-0.016	0.000	0.000	0.000
493	205	0.000	0.000	0.129	0.000	-0.035	0.000
	193	0.000	0.000	0.129	0.000	0.029	0.000
494	6	0.000	0.000	0.000	0.000	0.000	0.000
	286	0.000	0.000	0.000	0.000	0.000	0.000
495	232	0.000	0.000	0.000	0.000	0.000	0.000
	294	0.000	0.000	0.000	0.000	0.000	0.000
496	286	0.000	0.000	0.000	0.000	0.000	0.000
	295	0.000	0.000	0.000	0.000	0.000	0.000
497	295	0.000	0.000	0.000	0.000	0.000	0.000
	231	0.000	0.000	0.000	0.000	0.000	0.000
498	296	0.000	0.000	0.000	0.000	0.000	0.000
	1	0.000	0.000	0.000	0.000	0.000	0.000
499	294	0.000	0.000	0.000	0.000	0.000	0.000
	296	0.000	0.000	0.000	0.000	0.000	0.000
500	223	0.000	0.000	0.000	0.000	0.000	0.000
	297	0.000	0.000	0.000	0.000	0.000	0.000
501	252	0.000	0.000	0.000	0.000	0.000	0.000
	298	0.000	0.000	0.000	0.000	0.000	0.000
502	297	0.000	0.000	0.000	0.000	0.000	0.000
	299	0.000	0.000	0.000	0.000	0.000	0.000
503	299	0.000	0.000	0.000	0.000	0.000	0.000
	250	0.000	0.000	0.000	0.000	0.000	0.000
504	300	0.000	0.000	0.000	0.000	0.000	0.000
	217	0.000	0.000	0.000	0.000	0.000	0.000
505	298	0.000	0.000	0.000	0.000	0.000	0.000
	300	0.000	0.000	0.000	0.000	0.000	0.000
506	231	0.000	0.000	0.000	0.000	0.000	0.000
	232	0.000	0.000	0.000	0.000	0.000	0.000
507	250	0.000	0.000	0.000	0.000	0.000	0.000
	252	0.000	0.000	0.000	0.000	0.000	0.000
508	230	-6.401	0.000	0.021	0.008	-0.014	0.000
	1	-6.401	0.000	0.021	0.008	0.023	0.000
509	1	-0.165	-0.002	0.014	0.043	-0.061	0.000
	301	-0.165	-0.002	0.014	0.043	-0.054	-0.001
510	6	5.937	0.000	0.022	0.008	-0.023	0.000
	229	5.937	0.000	0.022	0.008	0.014	0.000
511	217	-6.067	0.000	-0.023	-0.009	0.024	0.000
	248	-6.067	0.000	-0.023	-0.009	-0.015	0.000
512	217	-0.068	-0.001	-0.012	-0.046	0.065	0.000
	315	-0.068	-0.001	-0.012	-0.046	0.058	0.000
513	223	6.056	0.000	-0.023	-0.009	0.025	0.000
	251	6.056	0.000	-0.023	-0.009	-0.015	0.000
514	223	0.074	0.001	0.136	-0.050	0.000	0.000
	316	0.074	0.001	0.136	-0.050	0.073	0.001
515	6	0.197	0.002	0.012	0.044	-0.062	0.000
	302	0.197	0.002	0.012	0.044	-0.056	0.001
516	301	-0.666	-0.003	-0.001	-0.055	0.001	0.002
	14	-0.666	-0.003	-0.001	-0.055	0.000	0.000
517	301	-0.165	-0.002	0.040	0.040	-0.055	0.000
	303	-0.165	-0.002	0.040	0.040	-0.033	-0.001
518	302	0.144	-0.004	0.002	-0.057	-0.002	0.003
	20	0.144	-0.004	0.002	-0.057	0.000	0.000
519	302	0.202	0.005	0.043	0.041	-0.057	-0.002
	304	0.202	0.005	0.043	0.041	-0.034	0.001
520	303	-0.177	0.004	-0.001	-0.049	0.001	-0.002
	26	-0.177	0.004	-0.001	-0.049	0.000	0.000
521	303	-0.163	-0.001	0.049	0.034	-0.029	0.000
	305	-0.163	-0.001	0.049	0.034	-0.003	0.000
522	304	0.133	0.004	0.004	-0.051	-0.002	-0.002
	32	0.133	0.004	0.004	-0.051	0.000	0.000
523	304	0.201	0.007	0.053	0.035	-0.029	-0.002
	306	0.201	0.007	0.053	0.035	0.000	0.002
524	305	0.042	0.032	-0.004	-0.028	0.002	-0.013
	38	0.042	0.032	-0.004	-0.028	0.000	0.000
525	305	-0.164	-0.009	0.020	0.020	0.001	0.002
	307	-0.164	-0.009	0.020	0.020	0.012	-0.003
526	306	0.243	0.035	0.009	-0.028	-0.004	-0.014
	44	0.243	0.035	0.009	-0.028	0.000	0.000
527	306	0.193	0.009	0.020	0.020	0.004	-0.002
	308	0.193	0.009	0.020	0.020	0.015	0.003
528	307	-0.154	0.044	-0.015	-0.003	0.003	-0.009
	50	-0.154	0.044	-0.015	-0.003	0.000	0.000
529	307	-0.144	-0.001	-0.013	0.000	0.007	0.001
	62	-0.144	-0.001	-0.013	0.000	0.000	0.000
530	308	0.232	0.049	0.022	-0.001	-0.004	-0.010
	56	0.232	0.049	0.022	-0.001	0.000	0.000
531	308	0.166	0.002	-0.020	0.000	0.011	-0.001
	68	0.166	0.002	-0.020	0.000	0.000	0.000
532	309	-0.229	0.054	0.014	0.001	-0.003	-0.011
	170	-0.229	0.054	0.014	0.001	0.000	0.000
533	309	-0.040	-0.001	0.023	0.000	-0.012	0.001
	158	-0.040	-0.001	0.023	0.000	0.000	0.000
534	310	0.221	0.055	-0.011	0.001	0.002	-0.011
	176	0.221	0.055	-0.011	0.001	0.000	0.000
535	310	0.052	0.001	0.023	0.000	-0.013	0.000
	164	0.052	0.001	0.023	0.000	0.000	0.000
536	311	-0.256	0.036	0.006	0.029	-0.002	-0.015
	182	-0.256	0.036	0.006	0.029	0.000	0.000
537	311	-0.058	-0.005	-0.022	-0.021	-0.005	0.001
	309	-0.058	-0.005	-0.022	-0.021	-0.016	-0.002
538	312	0.254	0.036	-0.004	0.029	0.002	-0.015
	188	0.254	0.036	-0.004	0.029	0.000	0.000
539	312	0.066	0.004	-0.023	-0.021	-0.005	-0.001
	310	0.066	0.004	-0.023	-0.021	-0.017	0.001
540	313	-0.210	0.004	0.003	0.053	-0.002	-0.002
	194	-0.210	0.004	0.003	0.053	0.000	0.000
541	313	-0.064	-0.004	-0.056	-0.037	0.030	0.001
	311	-0.064	-0.004	-0.056	-0.037	0.000	-0.001
542	314	0.354	-0.001	-0.002	0.053	0.001	0.001
	200	0.354	-0.001	-0.002	0.053	0.000	0.000
543	314	0.069	0.002	-0.057	-0.036	0.031	-0.001
	312	0.069	0.002	-0.057	-0.036	0.000	0.001
544	315	-0.314	-0.005	0.001	0.059	-0.001	0.004
	206	-0.314	-0.005	0.001	0.059	0.000	0.000
545	315	-0.066	-0.002	-0.045	-0.043	0.059	0.001
	313	-0.066	-0.002	-0.045	-0.043	0.035	-0.001
546	316	0.697	-0.020	-0.001	0.062	0.001	0.016
	212	0.697	-0.020	-0.001	0.062	0.000	0.000
547	316	0.070	0.000	-0.041	-0.039	0.059	0.000
	314	0.070	0.000	-0.041	-0.039	0.037	0.000
565	227	-0.080	0.022	-0.179	0.000	0.032	0.002
	215	-0.080	0.022	-0.179	0.000	-0.057	0.013
566	23	0.017	-0.090	0.232	0.000	-0.062	0.016
	9	0.017	-0.090	0.232	0.000	0.054	-0.029
567	35	-0.033	-0.073	0.176	0.000	-0.048	0.016
	23	-0.033	-0.073	0.176	0.000	0.040	-0.020
568	47	-0.073	-0.050	0.093	0.000	-0.026	0.016
	35	-0.073	-0.050	0.093	0.000	0.020	-0.009
569	59	-0.111	-0.020	0.110	0.000	-0.028	0.007
	47	-0.111	-0.020	0.110	0.000	0.027	-0.003
570	71	-0.150	-0.022	0.063	0.000	-0.018	0.004
	59	-0.150	-0.022	0.063	0.000	0.014	-0.007
571	83	-0.187	-0.014	0.040	0.000	-0.012	0.002
	71	-0.187	-0.014	0.040	0.000	0.008	-0.005
572	95	-0.218	-0.009	0.002	0.000	-0.003	0.002
	83	-0.218	-0.009	0.002	0.000	-0.002	-0.003
573	107	-0.244	0.002	-0.015	0.000	0.002	0.000
	95	-0.244	0.002	-0.015	0.000	-0.005	0.001
574	119	-0.265	0.006	-0.024	0.000	0.006	-0.002
	107	-0.265	0.006	-0.024	0.000	-0.007	0.001
575	131	-0.283	0.004	-0.026	0.000	0.006	-0.001
	119	-0.283	0.004	-0.026	0.000	-0.007	0.001
576	143	-0.298	0.005	-0.031	0.000	0.007	-0.001
	131	-0.298	0.005	-0.031	0.000	-0.009	0.002
577	155	-0.310	0.011	-0.040	0.000	0.009	-0.002
	143	-0.310	0.011	-0.040	0.000	-0.011	0.003
578	167	-0.318	0.014	-0.050	0.000	0.011	-0.004
	155	-0.318	0.014	-0.050	0.000	-0.014	0.003
579	179	-0.317	0.014	-0.061	0.000	0.013	-0.004
	167	-0.317	0.014	-0.061	0.000	-0.018	0.003
580	191	-0.301	0.021	-0.086	0.000	0.017	-0.006
	179	-0.301	0.021	-0.086	0.000	-0.026	0.005
581	203	-0.264	0.027	-0.119	0.000	0.022	-0.006
	191	-0.264	0.027	-0.119	0.000	-0.037	0.007
582	215	-0.192	0.049	-0.196	0.000	0.042	-0.011
	203	-0.192	0.049	-0.196	0.000	-0.056	0.013
600	221	0.024	-0.030	-0.226	0.000	0.048	0.015
	209	0.024	-0.030	-0.226	0.000	-0.065	0.001
601	17	0.029	-0.038	0.114	0.000	-0.038	0.012
	5	0.029	-0.038	0.114	0.000	0.019	-0.007
602	29	0.070	0.034	0.064	0.000	-0.029	0.002
	17	0.070	0.034	0.064	0.000	0.003	0.019
603	41	0.130	-0.016	-0.039	0.000	0.008	0.016
	29	0.130	-0.016	-0.039	0.000	-0.011	0.009
604	53	1.186	-0.011	-0.008	0.000	-0.006	0.006
	41	1.186	-0.011	-0.008	0.000	-0.009	0.000
605	65	1.229	0.000	0.020	0.000	-0.011	0.005
	53	1.229	0.000	0.020	0.000	-0.002	0.005
606	77	1.197	0.024	0.006	0.000	-0.009	-0.001
	65	1.197	0.024	0.006	0.000	-0.006	0.011

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
607	89	1.118	0.015	-0.016	0.000	-0.001	0.000
	77	1.118	0.015	-0.016	0.000	-0.009	0.008
608	101	1.028	0.014	-0.027	0.000	0.004	0.000
	89	1.028	0.014	-0.027	0.000	-0.010	0.006
609	113	0.933	0.012	-0.029	0.000	0.005	-0.001
	101	0.933	0.012	-0.029	0.000	-0.009	0.005
610	125	0.835	0.014	-0.031	0.000	0.006	-0.002
	113	0.835	0.014	-0.031	0.000	-0.009	0.005
611	137	0.737	0.011	-0.034	0.000	0.007	-0.002
	125	0.737	0.011	-0.034	0.000	-0.010	0.004
612	149	0.638	0.005	-0.037	0.000	0.007	0.001
	137	0.638	0.005	-0.037	0.000	-0.012	0.003
613	161	0.538	0.001	-0.043	0.000	0.006	0.004
	149	0.538	0.001	-0.043	0.000	-0.015	0.005
614	173	0.437	-0.002	-0.054	0.000	0.006	0.008
	161	0.437	-0.002	-0.054	0.000	-0.021	0.007
615	185	0.334	-0.010	-0.073	0.000	0.007	0.013
	173	0.334	-0.010	-0.073	0.000	-0.029	0.008
616	197	0.231	-0.017	-0.107	0.000	0.012	0.018
	185	0.231	-0.017	-0.107	0.000	-0.041	0.010
617	209	0.126	-0.030	-0.176	0.000	0.030	0.022
	197	0.126	-0.030	-0.176	0.000	-0.058	0.007

Load case 3 (Linear): Seism on Z direction

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
1	1	-13.680	-0.106	-2.019	0.075	1.302	-0.173
	12	-13.680	-0.106	-2.019	0.075	-0.717	-0.279
2	2	-7.313	0.036	-0.055	0.000	0.036	-0.021
	4	-7.313	0.036	-0.055	0.000	0.004	0.001
3	4	-7.337	0.009	-0.055	0.000	0.003	0.004
	5	-7.337	0.009	-0.055	0.000	-0.030	0.010
4	5	-7.388	-0.048	0.039	-0.001	-0.024	0.023
	234	-7.388	-0.048	0.039	-0.001	-0.005	-0.001
5	6	-2.412	0.120	-1.667	0.086	0.984	-0.033
	13	-2.412	0.120	-1.667	0.086	-0.683	0.087
6	7	0.156	-0.058	0.114	0.000	-0.070	0.034
	8	0.156	-0.058	0.114	0.000	-0.001	-0.001
7	8	0.183	-0.024	0.113	0.000	-0.002	-0.004
	9	0.183	-0.024	0.113	0.000	0.066	-0.018
8	9	0.515	0.038	0.040	0.000	-0.017	-0.015
	233	0.515	0.038	0.040	0.000	0.003	0.004
9	13	-1.075	-0.031	0.021	0.000	0.000	0.000
	7	-1.075	-0.031	0.021	0.000	0.011	-0.015
10	219	-0.451	-0.027	0.025	0.000	-0.009	0.011
	260	-0.451	-0.027	0.025	0.000	0.008	-0.008
11	225	-0.538	0.024	-0.029	0.000	0.014	-0.012
	246	-0.538	0.024	-0.029	0.000	-0.007	0.005
12	10	0.189	0.000	-0.001	0.000	0.000	0.007
	235	0.189	0.000	-0.001	0.000	0.000	0.007
13	7	-0.108	0.034	-0.027	0.000	0.012	-0.016
	239	-0.108	0.034	-0.027	0.000	-0.007	0.008
14	12	-17.066	-0.003	0.009	0.000	0.000	0.000
	2	-17.066	-0.003	0.009	0.000	0.005	-0.002
15	2	8.711	-0.012	0.040	0.000	-0.018	0.008
	243	8.711	-0.012	0.040	0.000	0.010	0.000
16	11	5.404	-0.014	-0.501	0.013	0.000	0.000
	301	5.404	-0.014	-0.501	0.013	-0.100	-0.003
17	15	0.026	0.019	-0.038	0.000	0.030	-0.011
	16	0.026	0.019	-0.038	0.000	0.007	0.000
18	16	-0.101	-0.006	-0.086	0.000	0.008	0.006
	17	-0.101	-0.006	-0.086	0.000	-0.044	0.003
19	17	-0.359	0.000	0.001	0.000	0.004	-0.005
	263	-0.359	0.000	0.001	0.000	0.004	-0.005
20	19	1.799	-0.001	-0.351	0.006	0.000	0.000
	302	1.799	-0.001	-0.351	0.006	-0.070	0.000
21	21	-0.106	-0.041	0.110	-0.001	-0.072	0.027
	22	-0.106	-0.041	0.110	-0.001	-0.006	0.002
22	22	0.016	-0.020	0.153	0.001	-0.011	-0.004
	23	0.016	-0.020	0.153	0.001	0.081	-0.016
23	23	-0.190	-0.034	0.069	0.000	-0.033	0.015
	262	-0.190	-0.034	0.069	0.000	-0.014	0.006
24	20	-0.065	-0.053	0.025	0.000	0.000	0.000
	21	-0.065	-0.053	0.025	0.000	0.012	-0.026
25	17	0.286	0.008	0.013	-0.001	-0.029	0.008
	24	0.286	0.008	0.013	-0.001	-0.018	0.015
26	14	-0.125	0.032	-0.048	0.000	0.047	-0.025
	16	-0.125	0.032	-0.048	0.000	0.001	0.006
27	24	0.241	-0.052	0.072	0.000	-0.018	0.013
	23	0.241	-0.052	0.072	0.000	0.043	-0.032
28	18	0.061	-0.045	0.059	0.000	-0.033	0.024
	24	0.061	-0.045	0.059	0.000	0.001	-0.002
29	14	0.017	-0.022	0.004	0.000	0.000	0.000
	15	0.017	-0.022	0.004	0.000	0.002	-0.011
30	20	0.120	-0.033	0.043	-0.001	-0.047	0.026
	22	0.120	-0.033	0.043	-0.001	-0.006	-0.006
31	25	1.770	-0.006	-0.192	0.021	0.000	0.000
	303	1.770	-0.006	-0.192	0.021	-0.077	-0.003
32	27	0.077	0.016	-0.031	0.000	0.027	-0.010
	28	0.077	0.016	-0.031	0.000	0.008	0.000
33	28	0.009	-0.020	-0.066	0.000	0.010	-0.002
	264	0.009	-0.020	-0.066	0.000	0.000	-0.005
34	29	-0.025	0.015	-0.065	0.000	0.013	-0.013
	269	-0.025	0.015	-0.065	0.000	-0.005	-0.009
35	31	0.401	-0.001	-0.132	0.006	0.000	0.000
	304	0.401	-0.001	-0.132	0.006	-0.053	-0.001
36	33	-0.119	-0.049	0.118	-0.001	-0.077	0.029
	34	-0.119	-0.049	0.118	-0.001	-0.006	0.000
37	34	-0.040	-0.008	0.145	0.001	-0.012	0.002
	261	-0.040	-0.008	0.145	0.001	0.008	0.001
38	35	-0.004	-0.054	0.092	0.000	-0.045	0.028
	30	-0.004	-0.054	0.092	0.000	0.048	-0.028
39	32	-0.100	-0.058	0.028	0.000	0.000	0.000
	33	-0.100	-0.058	0.028	0.000	0.014	-0.029
40	29	0.005	0.025	0.002	-0.001	-0.025	-0.001
	36	0.005	0.025	0.002	-0.001	-0.023	0.020
41	26	-0.077	-0.004	-0.034	0.000	0.035	0.001
	28	-0.077	-0.004	-0.034	0.000	0.001	-0.002
42	36	-0.066	-0.052	0.094	0.000	-0.023	0.014
	35	-0.066	-0.052	0.094	0.000	0.057	-0.031
43	30	0.077	-0.072	0.092	0.000	-0.052	0.036
	36	0.077	-0.072	0.092	0.000	0.001	-0.006
44	26	0.093	-0.019	-0.003	0.000	0.000	0.000
	27	0.093	-0.019	-0.003	0.000	-0.002	-0.010
45	32	0.089	0.004	0.027	-0.001	-0.033	-0.002
	34	0.089	0.004	0.027	-0.001	-0.007	0.002
46	37	-0.319	-0.007	-0.082	0.024	0.000	0.000
	305	-0.319	-0.007	-0.082	0.024	-0.049	-0.004
47	39	0.013	0.020	-0.027	0.000	0.023	-0.009
	40	0.013	0.020	-0.027	0.000	0.007	0.004
48	40	-0.025	-0.044	-0.049	0.000	0.008	-0.007
	270	-0.025	-0.044	-0.049	0.000	-0.017	-0.030
49	41	-0.056	0.030	-0.017	0.000	0.014	-0.023
	42	-0.056	0.030	-0.017	0.000	-0.003	0.008
50	43	-0.160	-0.001	-0.058	0.006	0.000	0.000
	306	-0.160	-0.001	-0.058	0.006	-0.035	-0.001
51	45	-0.081	-0.057	0.127	-0.001	-0.082	0.032
	46	-0.081	-0.057	0.127	-0.001	-0.006	-0.002
52	46	-0.072	0.005	0.133	0.002	-0.014	0.011
	47	-0.072	0.005	0.133	0.002	0.067	0.014
53	47	-0.069	-0.072	0.111	0.000	-0.057	0.039
	42	-0.069	-0.072	0.111	0.000	0.057	-0.035
54	44	-0.106	-0.063	0.031	0.000	0.000	0.000
	45	-0.106	-0.063	0.031	0.000	0.015	-0.032
55	41	0.099	0.043	0.010	-0.001	-0.031	-0.013
	48	0.099	0.043	0.010	-0.001	-0.023	0.024
56	38	-0.062	-0.043	-0.022	0.001	0.022	0.031
	40	-0.062	-0.043	-0.022	0.001	0.001	-0.011
57	48	0.003	-0.044	0.105	0.000	-0.023	0.012
	47	0.003	-0.044	0.105	0.000	0.066	-0.026
58	42	0.087	-0.096	0.094	0.001	-0.053	0.042
	48	0.087	-0.096	0.094	0.001	0.001	-0.013
59	38	0.000	-0.017	-0.008	0.000	0.000	0.000
	39	0.000	-0.017	-0.008	0.000	-0.004	-0.008
60	44	0.035	0.052	0.007	-0.001	-0.015	-0.038
	46	0.035	0.052	0.007	-0.001	-0.009	0.013
61	49	-0.804	-0.015	-0.022	0.023	0.000	0.000
	307	-0.804	-0.015	-0.022	0.023	-0.018	-0.012
62	51	0.100	0.027	-0.057	0.000	0.026	-0.008
	52	0.100	0.027	-0.057	0.000	-0.009	0.008
63	52	0.193	-0.066	-0.072	0.002	-0.012	-0.028
	271	0.193	-0.066	-0.072	0.002	-0.023	-0.037
64	53	0.027	0.028	0.003	0.000	0.008	-0.027
	54	0.027	0.028	0.003	0.000	0.011	0.002
65	55	-0.474	-0.003	-0.018	0.004	0.000	0.000
	308	-0.474	-0.003	-0.018	0.004	-0.014	-0.002
66	57	-0.142	-0.073	0.135	-0.001	-0.086	0.035
	58	-0.142	-0.073	0.135	-0.001	-0.005	-0.009
67	58	-0.150	0.047	0.113	0.002	-0.015	0.015
	59	-0.150	0.047	0.113	0.002	0.053	0.044
68	59	0.020	-0.098	0.136	0.000	-0.072	0.057
	54	0.020	-0.098	0.136	0.000	0.067	-0.044
69	56	-0.130	-0.070	0.034	0.000	0.000	0.000
	57	-0.130	-0.070	0.034	0.000	0.017	-0.035
70	53	-0.093	0.056	0.030	-0.001	-0.043	-0.022
	60	-0.093	0.056	0.030	-0.001	-0.018	0.026
71	50	0.045	-0.123	-0.015	0.001	0.010	0.084
	52	0.045	-0.123	-0.015	0.001	-0.004	-0.036

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
72	60	-0.212	-0.020	0.110	0.000	-0.019	0.004
	59	-0.212	-0.020	0.110	0.000	0.075	-0.013
73	54	0.076	-0.119	0.081	0.001	-0.045	0.046
	60	0.076	-0.119	0.081	0.001	0.001	-0.022
74	50	0.153	-0.016	-0.006	0.000	0.000	0.000
	51	0.153	-0.016	-0.006	0.000	-0.003	-0.008
75	56	0.043	0.111	-0.022	-0.001	0.011	-0.085
	58	0.043	0.111	-0.022	-0.001	-0.011	0.024
76	61	5.695	-2.954	-2.561	0.286	1.420	2.987
	62	5.695	-2.954	-2.561	0.286	-1.141	0.033
77	63	-0.927	-0.091	0.062	0.001	-0.009	0.015
	272	-0.927	-0.091	0.062	0.001	0.014	-0.019
78	64	0.542	0.290	0.024	-0.001	0.026	-0.161
	65	0.542	0.290	0.024	-0.001	0.040	0.013
79	65	0.405	-0.025	0.070	0.000	-0.028	0.004
	66	0.405	-0.025	0.070	0.000	0.044	-0.022
80	67	3.158	-0.495	-1.915	0.052	1.039	0.784
	68	3.158	-0.495	-1.915	0.052	-0.876	0.289
81	69	0.015	-0.097	0.138	-0.002	-0.087	0.039
	70	0.015	-0.097	0.138	-0.002	-0.004	-0.020
82	70	0.056	0.119	0.081	0.002	-0.016	0.014
	71	0.056	0.119	0.081	0.002	0.033	0.086
83	71	0.221	-0.124	0.156	0.000	-0.085	0.075
	66	0.221	-0.124	0.156	0.000	0.075	-0.053
84	68	-0.156	-0.077	0.037	0.000	0.000	0.000
	69	-0.156	-0.077	0.037	0.000	0.019	-0.039
85	65	-0.116	0.000	0.064	0.000	-0.062	0.010
	72	-0.116	0.000	0.064	0.000	-0.008	0.010
86	62	1.676	-0.339	0.045	0.001	-0.040	0.212
	64	1.676	-0.339	0.045	0.001	0.004	-0.118
87	72	-0.209	0.028	0.094	0.000	-0.009	-0.013
	71	-0.209	0.028	0.094	0.000	0.071	0.011
88	66	-0.029	-0.093	0.030	0.001	-0.017	0.031
	72	-0.029	-0.093	0.030	0.001	0.000	-0.023
89	62	-1.097	0.030	-0.053	0.000	0.000	0.000
	63	-1.097	0.030	-0.053	0.000	-0.026	0.015
90	68	0.129	0.178	-0.057	-0.001	0.043	-0.140
	70	0.129	0.178	-0.057	-0.001	-0.013	0.034
91	73	4.321	0.000	0.000	0.007	0.000	0.000
	74	4.321	0.000	0.000	0.007	0.000	0.000
92	75	-6.094	-0.147	-0.130	0.002	0.096	-0.006
	76	-6.094	-0.147	-0.130	0.002	0.017	-0.095
93	76	-2.692	0.771	-0.041	-0.003	0.033	-0.333
	77	-2.692	0.771	-0.041	-0.003	0.008	0.132
94	77	-0.435	-0.051	-0.025	0.000	0.007	0.040
	78	-0.435	-0.051	-0.025	0.000	-0.019	-0.012
95	79	1.201	0.000	0.000	0.002	0.000	0.000
	80	1.201	0.000	0.000	0.002	0.000	0.000
96	81	-0.590	-0.094	0.084	-0.001	-0.056	0.029
	82	-0.590	-0.094	0.084	-0.001	-0.005	-0.027
97	82	-0.536	0.186	0.011	0.001	-0.014	0.015
	83	-0.536	0.186	0.011	0.001	-0.008	0.127
98	83	0.328	-0.095	0.101	0.000	-0.058	0.060
	78	0.328	-0.095	0.101	0.000	0.045	-0.037
99	80	-0.198	-0.060	0.028	0.000	0.000	0.000
	81	-0.198	-0.060	0.028	0.000	0.014	-0.030
100	77	-1.554	-0.132	-0.038	0.000	0.001	0.090
	84	-1.554	-0.132	-0.038	0.000	-0.031	-0.022
101	74	3.470	-0.614	0.089	0.002	-0.070	0.361
	76	3.470	-0.614	0.089	0.002	0.016	-0.238
102	84	-1.588	0.099	0.028	0.000	-0.031	-0.018
	83	-1.588	0.099	0.028	0.000	-0.007	0.067
103	78	-0.231	-0.034	0.065	0.000	-0.037	0.025
	84	-0.231	-0.034	0.065	0.000	0.001	0.005
104	74	1.685	-0.048	0.040	0.000	0.000	0.000
	75	1.685	-0.048	0.040	0.000	0.020	-0.024
105	80	0.168	0.230	-0.073	-0.001	0.062	-0.182
	82	0.168	0.230	-0.073	-0.001	-0.009	0.042
106	85	0.780	0.000	0.000	-0.013	0.000	0.000
	86	0.780	0.000	0.000	-0.013	0.000	0.000
107	87	-0.994	0.008	-0.196	0.003	0.137	-0.044
	88	-0.994	0.008	-0.196	0.003	0.019	-0.039
108	88	0.321	0.257	-0.126	-0.003	0.036	-0.152
	89	0.321	0.257	-0.126	-0.003	-0.040	0.003
109	89	0.286	0.041	-0.157	0.000	0.070	-0.007
	90	0.286	0.041	-0.157	0.000	-0.091	0.035
110	91	-0.064	0.000	0.000	-0.001	0.000	0.000
	92	-0.064	0.000	0.000	-0.001	0.000	0.000
111	93	0.083	-0.052	0.033	-0.001	-0.030	0.017
	94	0.083	-0.052	0.033	-0.001	-0.010	-0.014
112	94	0.018	0.130	-0.009	0.000	-0.014	0.028
	95	0.018	0.130	-0.009	0.000	-0.020	0.106
113	95	0.162	-0.033	0.022	0.000	-0.016	0.024
	90	0.162	-0.033	0.022	0.000	0.007	-0.010
114	92	-0.081	-0.034	0.014	0.000	0.000	0.000
	93	-0.081	-0.034	0.014	0.000	0.007	-0.017
115	89	-0.040	-0.013	-0.175	0.000	0.101	0.009
	96	-0.040	-0.013	-0.175	0.000	-0.048	-0.002
116	86	1.296	-0.332	0.069	0.002	-0.051	0.211
	88	1.296	-0.332	0.069	0.002	0.017	-0.113
117	96	-0.108	0.092	-0.041	0.001	-0.046	0.005
	95	-0.108	0.092	-0.041	0.001	-0.081	0.083
118	90	-0.105	-0.067	0.134	-0.001	-0.076	0.045
	96	-0.105	-0.067	0.134	-0.001	0.001	0.006
119	86	-0.974	-0.087	0.052	0.000	0.000	0.000
	87	-0.974	-0.087	0.052	0.000	0.026	-0.043
120	92	0.018	0.192	-0.042	-0.001	0.036	-0.146
	94	0.018	0.192	-0.042	-0.001	-0.005	0.042
121	97	-1.431	0.000	0.000	-0.024	0.000	0.000
	98	-1.431	0.000	0.000	-0.024	0.000	0.000
122	99	0.076	0.041	-0.102	0.001	0.075	-0.028
	100	0.076	0.041	-0.102	0.001	0.013	-0.003
123	100	0.208	-0.035	-0.084	-0.002	0.023	-0.037
	101	0.208	-0.035	-0.084	-0.002	-0.028	-0.058
124	101	0.047	0.052	-0.115	0.000	0.055	-0.022
	102	0.047	0.052	-0.115	0.000	-0.064	0.032
125	103	-1.088	0.000	0.000	-0.004	0.000	0.000
	104	-1.088	0.000	0.000	-0.004	0.000	0.000
126	105	-0.031	-0.029	0.044	-0.001	-0.037	0.016
	106	-0.031	-0.029	0.044	-0.001	-0.010	-0.002
127	106	-0.198	0.041	0.031	0.000	-0.015	0.034
	107	-0.198	0.041	0.031	0.000	0.004	0.058
128	107	-0.008	-0.013	0.012	0.000	-0.008	0.009
	102	-0.008	-0.013	0.012	0.000	0.005	-0.004
129	104	-0.054	-0.031	0.013	0.000	0.000	0.000
	105	-0.054	-0.031	0.013	0.000	0.007	-0.016
130	101	-0.010	0.053	-0.149	0.000	0.096	-0.036
	108	-0.010	0.053	-0.149	0.000	-0.031	0.009
131	98	0.087	-0.124	0.018	0.001	-0.008	0.088
	100	0.087	-0.124	0.018	0.001	0.010	-0.033
132	108	-0.071	0.046	-0.042	0.001	-0.030	0.011
	107	-0.071	0.046	-0.042	0.001	-0.066	0.049
133	102	0.008	-0.061	0.107	-0.001	-0.061	0.036
	108	0.008	-0.061	0.107	-0.001	0.001	0.001
134	98	0.132	-0.055	0.020	0.000	0.000	0.000
	99	0.132	-0.055	0.020	0.000	0.010	-0.027
135	104	-0.121	0.134	-0.013	-0.001	0.008	-0.095
	106	-0.121	0.134	-0.013	-0.001	-0.005	0.036
136	109	-0.058	-1.613	-2.699	-0.317	1.471	1.830
	110	-0.058	-1.613	-2.699	-0.317	-1.228	0.217
137	111	0.088	0.033	-0.073	0.001	0.056	-0.021
	112	0.088	0.033	-0.073	0.001	0.012	-0.001
138	112	0.062	-0.044	-0.080	-0.001	0.018	-0.016
	113	0.062	-0.044	-0.080	-0.001	-0.030	-0.043
139	113	-0.050	0.038	-0.079	0.000	0.037	-0.016
	114	-0.050	0.038	-0.079	0.000	-0.044	0.023
140	115	-0.171	-0.578	-1.955	-0.068	1.065	0.749
	116	-0.171	-0.578	-1.955	-0.068	-0.890	0.171
141	117	-0.039	-0.025	0.058	-0.001	-0.044	0.017
	118	-0.039	-0.025	0.058	-0.001	-0.009	0.002
142	118	-0.171	0.003	0.066	0.000	-0.014	0.027
	119	-0.171	0.003	0.066	0.000	0.026	0.028
143	119	-0.068	-0.012	0.021	0.000	-0.011	0.006
	114	-0.068	-0.012	0.021	0.000	0.011	-0.006
144	116	-0.051	-0.034	0.015	0.000	0.000	0.000
	117	-0.051	-0.034	0.015	0.000	0.007	-0.017
145	113	0.049	0.043	-0.105	0.000	0.064	-0.026
	120	0.049	0.043	-0.105	0.000	-0.025	0.010
146	110	-0.056	-0.059	-0.007	0.001	0.013	0.042
	112	-0.056	-0.059	-0.007	0.001	0.007	-0.016
147	120	0.002	0.012	-0.015	0.001	-0.024	0.013
	119	0.002	0.012	-0.015	0.001	-0.037	0.022
148	114	0.032	-0.047	0.089	0.000	-0.051	0.029
	120	0.032	-0.047	0.089	0.000	0.001	0.002
149	110	0.097	-0.041	0.012	0.000	0.000	0.000
	111	0.097	-0.041	0.012	0.000	0.006	-0.021
150	116	-0.108	0.081	0.008	-0.001	-0.012	-0.055
	118	-0.108	0.081	0.008	-0.001	-0.005	0.025
151	121	1.386	0.000	0.000	-0.015	0.000	0.000
	122	1.386	0.000	0.000	-0.015	0.000	0.000
152	123	0.064	0.024	-0.066	0.001	0.050	-0.018
	124	0.064	0.024	-0.066	0.001	0.011	-0.003
153	124	0.049	-0.016	-0.088	-0.001	0.016	-0.014
	125	0.049	-0.016	-0.088	-0.001	-0.037	-0.024
154	125	-0.050	0.029	-0.065	0.000	0.030	-0.012
	126	-0.050	0.029	-0.065	0.000	-0.036	0.018

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
155	127	0.932	0.000	0.000	-0.005	0.000	0.000
	128	0.932	0.000	0.000	-0.005	0.000	0.000
156	129	-0.051	-0.027	0.069	-0.001	-0.050	0.019
	130	-0.051	-0.027	0.069	-0.001	-0.008	0.002
157	130	-0.101	-0.006	0.090	0.000	-0.013	0.017
	131	-0.101	-0.006	0.090	0.000	0.042	0.013
158	131	-0.056	-0.017	0.034	0.000	-0.016	0.008
	126	-0.056	-0.017	0.034	0.000	0.019	-0.010
159	128	-0.057	-0.037	0.017	0.000	0.000	0.000
	129	-0.057	-0.037	0.017	0.000	0.008	-0.019
160	125	0.070	0.027	-0.078	0.000	0.041	-0.012
	132	0.070	0.027	-0.078	0.000	-0.025	0.011
161	122	-0.031	-0.030	-0.022	0.001	0.027	0.019
	124	-0.031	-0.030	-0.022	0.001	0.005	-0.011
162	132	0.027	-0.010	0.012	0.001	-0.025	0.014
	131	0.027	-0.010	0.012	0.001	-0.015	0.006
163	126	0.037	-0.043	0.090	0.000	-0.051	0.028
	132	0.037	-0.043	0.090	0.000	0.001	0.003
164	122	0.062	-0.036	0.009	0.000	0.000	0.000
	123	0.062	-0.036	0.009	0.000	0.005	-0.018
165	128	-0.036	0.041	0.022	-0.001	-0.026	-0.025
	130	-0.036	0.041	0.022	-0.001	-0.004	0.014
166	133	0.058	0.000	0.000	-0.011	0.000	0.000
	134	0.058	0.000	0.000	-0.011	0.000	0.000
167	135	0.052	0.021	-0.063	0.001	0.048	-0.017
	136	0.052	0.021	-0.063	0.001	0.010	-0.004
168	136	0.034	-0.003	-0.092	-0.001	0.014	-0.012
	137	0.034	-0.003	-0.092	-0.001	-0.041	-0.013
169	137	-0.046	0.025	-0.058	0.000	0.027	-0.009
	138	-0.046	0.025	-0.058	0.000	-0.032	0.016
170	139	-0.015	0.000	0.000	-0.005	0.000	0.000
	140	-0.015	0.000	0.000	-0.005	0.000	0.000
171	141	-0.064	-0.030	0.077	-0.001	-0.054	0.020
	142	-0.064	-0.030	0.077	-0.001	-0.008	0.002
172	142	-0.050	-0.006	0.105	0.001	-0.012	0.009
	143	-0.050	-0.006	0.105	0.001	0.051	0.006
173	143	-0.041	-0.023	0.046	0.000	-0.022	0.010
	138	-0.041	-0.023	0.046	0.000	0.025	-0.013
174	140	-0.063	-0.040	0.018	0.000	0.000	0.000
	141	-0.063	-0.040	0.018	0.000	0.009	-0.020
175	137	0.067	0.018	-0.063	0.000	0.028	-0.004
	144	0.067	0.018	-0.063	0.000	-0.026	0.011
176	134	-0.026	-0.015	-0.029	0.001	0.033	0.007
	136	-0.026	-0.015	-0.029	0.001	0.004	-0.007
177	144	0.023	-0.023	0.031	0.000	-0.026	0.015
	143	0.023	-0.023	0.031	0.000	0.000	-0.004
178	138	0.041	-0.044	0.094	0.000	-0.053	0.029
	144	0.041	-0.044	0.094	0.000	0.001	0.004
179	134	0.049	-0.034	0.008	0.000	0.000	0.000
	135	0.049	-0.034	0.008	0.000	0.004	-0.017
180	140	0.023	0.016	0.029	-0.001	-0.033	-0.009
	142	0.023	0.016	0.029	-0.001	-0.004	0.007
181	145	-1.598	0.000	0.000	-0.008	0.000	0.000
	146	-1.598	0.000	0.000	-0.008	0.000	0.000
182	147	0.053	0.021	-0.060	0.001	0.046	-0.016
	148	0.053	0.021	-0.060	0.001	0.010	-0.004
183	148	0.022	0.000	-0.093	-0.001	0.014	-0.009
	149	0.022	0.000	-0.093	-0.001	-0.043	-0.009
184	149	-0.046	0.023	-0.054	0.000	0.025	-0.009
	150	-0.046	0.023	-0.054	0.000	-0.030	0.015
185	151	-1.176	0.000	0.000	-0.005	0.000	0.000
	152	-1.176	0.000	0.000	-0.005	0.000	0.000
186	153	-0.071	-0.033	0.081	-0.001	-0.056	0.021
	154	-0.071	-0.033	0.081	-0.001	-0.007	0.002
187	154	-0.021	-0.005	0.114	0.001	-0.012	0.005
	155	-0.021	-0.005	0.114	0.001	0.057	0.002
188	155	-0.032	-0.026	0.053	0.000	-0.025	0.012
	150	-0.032	-0.026	0.053	0.000	0.029	-0.015
189	152	-0.067	-0.042	0.019	0.000	0.000	0.000
	153	-0.067	-0.042	0.019	0.000	0.010	-0.021
190	149	0.063	0.015	-0.056	0.000	0.020	0.000
	156	0.063	0.015	-0.056	0.000	-0.027	0.012
191	146	-0.036	-0.006	-0.033	0.001	0.036	0.001
	148	-0.036	-0.006	-0.033	0.001	0.004	-0.005
192	156	0.018	-0.030	0.041	0.000	-0.027	0.016
	155	0.018	-0.030	0.041	0.000	0.008	-0.010
193	150	0.045	-0.045	0.097	0.000	-0.055	0.030
	156	0.045	-0.045	0.097	0.000	0.001	0.004
194	146	0.050	-0.033	0.009	0.000	0.000	0.000
	147	0.050	-0.033	0.009	0.000	0.005	-0.016
195	152	0.057	0.004	0.032	-0.001	-0.036	0.000
	154	0.057	0.004	0.032	-0.001	-0.005	0.004
196	157	-4.232	-0.084	-2.655	-0.065	1.443	0.285
	158	-4.232	-0.084	-2.655	-0.065	-1.211	0.201
197	159	0.055	0.022	-0.060	0.001	0.046	-0.017
	278	0.055	0.022	-0.060	0.001	0.023	-0.008
198	160	0.012	0.000	-0.093	-0.001	0.013	-0.007
	161	0.012	0.000	-0.093	-0.001	-0.043	-0.007
199	161	-0.048	0.022	-0.052	0.000	0.024	-0.008
	162	-0.048	0.022	-0.052	0.000	-0.029	0.014
200	163	-3.068	-0.076	-1.908	-0.062	1.038	0.147
	164	-3.068	-0.076	-1.908	-0.062	-0.870	0.072
201	165	-0.075	-0.034	0.084	-0.001	-0.058	0.022
	283	-0.075	-0.034	0.084	-0.001	-0.026	0.009
202	166	-0.008	-0.005	0.118	0.001	-0.011	0.003
	167	-0.008	-0.005	0.118	0.001	0.059	0.000
203	167	-0.029	-0.028	0.056	0.000	-0.027	0.012
	162	-0.029	-0.028	0.056	0.000	0.031	-0.016
204	164	-0.069	-0.043	0.020	0.000	0.000	0.000
	165	-0.069	-0.043	0.020	0.000	0.010	-0.022
205	161	0.060	0.014	-0.052	0.000	0.017	0.001
	168	0.060	0.014	-0.052	0.000	-0.027	0.013
206	158	-0.048	-0.002	-0.033	0.001	0.036	-0.002
	160	-0.048	-0.002	-0.033	0.001	0.004	-0.004
207	168	0.014	-0.034	0.046	0.000	-0.027	0.016
	167	0.014	-0.034	0.046	0.000	0.012	-0.013
208	162	0.048	-0.046	0.098	0.000	-0.056	0.030
	168	0.048	-0.046	0.098	0.000	0.001	0.004
209	158	0.052	-0.033	0.011	0.000	0.000	0.000
	159	0.052	-0.033	0.011	0.000	0.006	-0.017
210	164	0.073	-0.002	0.034	-0.001	-0.037	0.004
	166	0.073	-0.002	0.034	-0.001	-0.005	0.002
211	169	0.711	-0.003	-0.023	-0.003	0.000	0.000
	309	0.711	-0.003	-0.023	-0.003	-0.019	-0.002
212	171	0.056	0.023	-0.061	0.000	0.046	-0.017
	172	0.056	0.023	-0.061	0.000	0.009	-0.003
213	172	0.001	-0.001	-0.095	-0.001	0.013	-0.006
	277	0.001	-0.001	-0.095	-0.001	-0.001	-0.006
214	173	-0.051	0.021	-0.051	0.000	0.024	-0.008
	174	-0.051	0.021	-0.051	0.000	-0.029	0.014
215	175	0.473	-0.003	-0.018	-0.003	0.000	0.000
	310	0.473	-0.003	-0.018	-0.003	-0.014	-0.002
216	177	-0.077	-0.034	0.084	-0.001	-0.058	0.022
	178	-0.077	-0.034	0.084	-0.001	-0.007	0.001
217	178	0.002	-0.005	0.120	0.001	-0.011	0.002
	282	0.002	-0.005	0.120	0.001	0.005	0.001
218	179	-0.029	-0.028	0.058	0.000	-0.027	0.012
	174	-0.029	-0.028	0.058	0.000	0.032	-0.017
219	176	-0.072	-0.044	0.020	0.000	0.000	0.000
	177	-0.072	-0.044	0.020	0.000	0.010	-0.022
220	173	0.059	0.013	-0.051	0.000	0.016	0.002
	180	0.059	0.013	-0.051	0.000	-0.027	0.013
221	170	-0.060	0.002	-0.034	0.001	0.037	-0.005
	172	-0.060	0.002	-0.034	0.001	0.004	-0.003
222	180	0.013	-0.036	0.048	0.000	-0.027	0.017
	179	0.013	-0.036	0.048	0.000	0.013	-0.014
223	174	0.049	-0.046	0.099	0.000	-0.056	0.030
	180	0.049	-0.046	0.099	0.000	0.001	0.004
224	170	0.050	-0.034	0.013	0.000	0.000	0.000
	171	0.050	-0.034	0.013	0.000	0.006	-0.017
225	176	0.083	-0.007	0.036	-0.001	-0.039	0.008
	178	0.083	-0.007	0.036	-0.001	-0.004	0.000
226	181	0.280	0.000	-0.082	-0.002	0.000	0.000
	311	0.280	0.000	-0.082	-0.002	-0.049	0.000
227	183	0.061	0.024	-0.063	0.001	0.047	-0.018
	184	0.061	0.024	-0.063	0.001	0.009	-0.003
228	184	-0.006	0.000	-0.098	-0.001	0.013	-0.005
	276	-0.006	0.000	-0.098	-0.001	-0.038	-0.005
229	185	-0.048	0.021	-0.052	0.000	0.024	-0.007
	186	-0.048	0.021	-0.052	0.000	-0.029	0.014
230	187	0.149	-0.001	-0.059	-0.002	0.000	0.000
	312	0.149	-0.001	-0.059	-0.002	-0.035	0.000
231	189	-0.078	-0.034	0.083	-0.001	-0.057	0.022
	190	-0.078	-0.034	0.083	-0.001	-0.007	0.001
232	190	0.010	-0.006	0.121	0.001	-0.011	0.001
	281	0.010	-0.006	0.121	0.001	0.051	-0.002
233	191	-0.020	-0.027	0.057	0.000	-0.027	0.011
	186	-0.020	-0.027	0.057	0.000	0.031	-0.016
234	188	-0.070	-0.043	0.020	0.000	0.000	0.000
	189	-0.070	-0.043	0.020	0.000	0.010	-0.022
235	185	0.053	0.011	-0.053	0.000	0.017	0.003
	192	0.053	0.011	-0.053	0.000	-0.028	0.012
236	182	-0.071	0.007	-0.035	0.001	0.038	-0.008
	184	-0.071	0.007	-0.035	0.001	0.004	-0.001
237	192	0.010	-0.037	0.047	0.000	-0.028	0.017
	191	0.010	-0.037	0.047	0.000	0.012	-0.014

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
238	186	0.048	-0.044	0.100	0.000	-0.056	0.030
	192	0.048	-0.044	0.100	0.000	0.001	0.005
239	182	0.055	-0.035	0.015	0.000	0.000	0.000
	183	0.055	-0.035	0.015	0.000	0.008	-0.018
240	188	0.092	-0.012	0.038	-0.001	-0.041	0.011
	190	0.092	-0.012	0.038	-0.001	-0.004	-0.001
241	193	-1.415	0.001	-0.189	-0.001	0.000	0.000
	313	-1.415	0.001	-0.189	-0.001	-0.076	0.000
242	195	0.073	0.025	-0.066	0.001	0.049	-0.018
	196	0.073	0.025	-0.066	0.001	0.009	-0.003
243	196	-0.015	0.001	-0.104	-0.001	0.013	-0.002
	266	-0.015	0.001	-0.104	-0.001	-0.002	-0.002
244	197	-0.076	0.020	-0.054	0.000	0.024	-0.006
	275	-0.076	0.020	-0.054	0.000	0.009	0.000
245	199	-0.377	0.000	-0.132	-0.001	0.000	0.000
	314	-0.377	0.000	-0.132	-0.001	-0.053	0.000
246	201	-0.068	-0.031	0.082	-0.001	-0.057	0.021
	202	-0.068	-0.031	0.082	-0.001	-0.007	0.002
247	202	0.018	-0.012	0.123	0.000	-0.011	0.001
	268	0.018	-0.012	0.123	0.000	0.006	-0.001
248	203	-0.064	-0.024	0.054	0.000	-0.025	0.009
	280	-0.064	-0.024	0.054	0.000	-0.010	0.002
249	200	-0.063	-0.042	0.020	0.000	0.000	0.000
	201	-0.063	-0.042	0.020	0.000	0.010	-0.021
250	197	0.087	0.009	-0.058	0.000	0.021	0.004
	204	0.087	0.009	-0.058	0.000	-0.028	0.012
251	194	-0.091	0.015	-0.038	0.001	0.041	-0.014
	196	-0.091	0.015	-0.038	0.001	0.004	0.001
252	204	0.047	-0.040	0.045	0.001	-0.028	0.018
	203	0.047	-0.040	0.045	0.001	0.010	-0.016
253	198	0.049	-0.040	0.103	0.000	-0.058	0.030
	204	0.049	-0.040	0.103	0.000	0.001	0.006
254	194	0.066	-0.037	0.018	0.000	0.000	0.000
	195	0.066	-0.037	0.018	0.000	0.009	-0.019
255	200	0.085	-0.019	0.041	-0.001	-0.044	0.016
	202	0.085	-0.019	0.041	-0.001	-0.004	-0.002
256	205	-4.878	0.002	-0.498	-0.002	0.000	0.000
	315	-4.878	0.002	-0.498	-0.002	-0.100	0.000
257	207	0.100	0.027	-0.070	0.001	0.051	-0.020
	208	0.100	0.027	-0.070	0.001	0.009	-0.003
258	208	-0.021	0.002	-0.112	-0.001	0.013	0.001
	209	-0.021	0.002	-0.112	-0.001	-0.055	0.003
259	209	0.024	0.016	-0.052	0.000	0.023	-0.004
	265	0.024	0.016	-0.052	0.000	0.009	0.001
260	211	-1.726	0.006	-0.352	0.001	0.000	0.000
	316	-1.726	0.006	-0.352	0.001	-0.070	0.001
261	213	-0.068	-0.026	0.081	-0.001	-0.056	0.020
	214	-0.068	-0.026	0.081	-0.001	-0.007	0.005
262	214	-0.013	-0.029	0.128	0.000	-0.011	0.003
	215	-0.013	-0.029	0.128	0.000	0.067	-0.015
263	215	0.080	-0.015	0.046	0.000	-0.021	0.004
	267	0.080	-0.015	0.046	0.000	-0.008	-0.001
264	212	-0.084	-0.040	0.018	0.000	0.000	0.000
	213	-0.084	-0.040	0.018	0.000	0.009	-0.020
265	209	-0.026	0.005	-0.057	0.000	0.022	0.006
	216	-0.026	0.005	-0.057	0.000	-0.027	0.010
266	206	-0.121	0.029	-0.042	0.001	0.045	-0.024
	208	-0.121	0.029	-0.042	0.001	0.004	0.004
267	216	-0.054	-0.045	0.036	0.001	-0.026	0.019
	215	-0.054	-0.045	0.036	0.001	0.004	-0.019
268	210	0.049	-0.027	0.093	0.000	-0.052	0.025
	216	0.049	-0.027	0.093	0.000	0.001	0.009
269	206	0.075	-0.039	0.021	0.000	0.000	0.000
	207	0.075	-0.039	0.021	0.000	0.011	-0.019
270	212	0.049	-0.027	0.047	-0.001	-0.049	0.024
	214	0.049	-0.027	0.047	-0.001	-0.004	-0.002
271	217	6.737	0.081	-2.130	-0.063	1.323	-0.014
	218	6.737	0.081	-2.130	-0.063	-0.808	0.066
272	219	0.331	0.040	-0.074	0.000	0.049	-0.025
	220	0.331	0.040	-0.074	0.000	0.004	-0.001
273	220	0.309	0.012	-0.074	0.000	0.004	0.001
	221	0.309	0.012	-0.074	0.000	-0.040	0.008
274	221	0.087	0.000	-0.034	0.000	0.011	0.005
	222	0.087	0.000	-0.034	0.000	-0.024	0.005
275	223	2.592	-0.013	-1.659	0.042	0.981	-0.009
	224	2.592	-0.013	-1.659	0.042	-0.678	-0.023
276	225	0.213	-0.059	0.098	0.000	-0.062	0.034
	226	0.213	-0.059	0.098	0.000	-0.003	-0.001
277	226	0.248	-0.013	0.098	0.000	-0.003	-0.004
	227	0.248	-0.013	0.098	0.000	0.056	-0.012
278	227	0.063	0.019	0.019	0.000	-0.005	-0.015
	222	0.063	0.019	0.019	0.000	0.015	0.005
279	224	1.514	-0.018	0.016	0.000	0.000	0.000
	225	1.514	-0.018	0.016	0.000	0.008	-0.009
280	3	13.270	0.035	-0.029	0.000	0.012	-0.008
	273	13.270	0.035	-0.029	0.000	-0.006	0.014
281	269	-0.038	0.022	-0.035	0.000	0.014	-0.009
	30	-0.038	0.022	-0.035	0.000	-0.012	0.008
282	269	13.411	-0.042	0.044	0.000	-0.008	0.009
	270	13.411	-0.042	0.044	0.000	0.020	-0.018
283	270	0.147	-0.062	-0.275	0.000	0.017	-0.030
	41	0.147	-0.062	-0.275	0.000	-0.008	-0.035
284	218	6.070	-0.028	0.031	0.000	0.000	0.000
	219	6.070	-0.028	0.031	0.000	0.016	-0.014
285	225	-1.358	0.027	-0.039	0.000	0.019	-0.014
	212	-1.358	0.027	-0.039	0.000	-0.009	0.006
286	225	0.855	0.067	-0.097	0.000	0.028	-0.022
	213	0.855	0.067	-0.097	0.000	-0.020	0.011
287	224	0.475	1.267	0.000	0.005	-0.084	-0.660
	212	0.475	1.267	0.000	0.005	-0.084	-0.026
288	21	-1.010	0.087	-0.147	0.000	0.022	-0.010
	7	-1.010	0.087	-0.147	0.000	-0.052	0.034
289	20	-0.414	1.240	-0.110	-0.156	-0.008	0.030
	13	-0.414	1.240	-0.110	-0.156	-0.064	0.650
290	33	-0.876	0.059	-0.135	0.000	0.029	-0.012
	21	-0.876	0.059	-0.135	0.000	-0.039	0.017
291	32	2.014	0.301	-0.139	-0.181	0.029	-0.081
	20	2.014	0.301	-0.139	-0.181	-0.040	0.070
292	45	-0.729	0.052	-0.122	0.000	0.026	-0.010
	33	-0.729	0.052	-0.122	0.000	-0.036	0.016
293	44	3.263	-0.097	-0.122	-0.180	0.066	-0.004
	32	3.263	-0.097	-0.122	-0.180	0.005	-0.052
294	57	-0.571	0.066	-0.150	0.000	0.032	-0.013
	45	-0.571	0.066	-0.150	0.000	-0.043	0.020
295	56	4.397	-0.020	-0.032	-0.142	0.068	0.019
	44	4.397	-0.020	-0.032	-0.142	0.052	0.009
296	69	-0.402	0.057	-0.144	-0.001	0.032	-0.011
	57	-0.402	0.057	-0.144	-0.001	-0.040	0.017
297	68	5.223	0.769	0.105	-0.057	0.016	-0.375
	56	5.223	0.769	0.105	-0.057	0.069	0.009
298	81	-0.227	0.141	-0.288	-0.001	0.102	-0.053
	69	-0.227	0.141	-0.288	-0.001	-0.042	0.017
299	80	-3.562	0.961	-0.226	-0.206	0.098	-0.017
	68	-3.562	0.961	-0.226	-0.206	-0.015	0.463
300	93	-0.114	-0.068	0.088	0.000	0.011	-0.003
	81	-0.114	-0.068	0.088	0.000	0.055	-0.037
301	92	-2.343	-0.177	-0.054	-0.024	0.153	0.017
	80	-2.343	-0.177	-0.054	-0.024	0.126	-0.072
302	105	-0.067	0.016	-0.044	0.001	0.007	-0.002
	93	-0.067	0.016	-0.044	0.001	-0.014	0.006
303	104	-1.079	-0.079	0.135	0.121	0.104	0.025
	92	-1.079	-0.079	0.135	0.121	0.172	-0.015
304	117	-0.011	0.029	-0.066	0.000	0.009	-0.003
	105	-0.011	0.029	-0.066	0.000	-0.024	0.011
305	116	0.215	0.919	0.344	0.216	-0.061	-0.442
	104	0.215	0.919	0.344	0.216	0.111	0.018
306	129	0.062	0.038	-0.082	0.000	0.013	-0.005
	117	0.062	0.038	-0.082	0.000	-0.028	0.014
307	128	-0.427	0.988	-0.074	0.100	0.037	-0.036
	116	-0.427	0.988	-0.074	0.100	0.000	0.458
308	141	0.148	0.043	-0.092	0.000	0.018	-0.008
	129	0.148	0.043	-0.092	0.000	-0.028	0.014
309	140	0.898	-0.012	0.017	0.125	0.020	-0.009
	128	0.898	-0.012	0.017	0.125	0.028	-0.015
310	153	0.242	0.045	-0.097	0.000	0.021	-0.009
	141	0.242	0.045	-0.097	0.000	-0.027	0.013
311	152	2.229	-0.031	0.059	0.134	-0.022	0.034
	140	2.229	-0.031	0.059	0.134	0.008	0.019
312	165	0.342	0.045	-0.098	0.000	0.023	-0.010
	153	0.342	0.045	-0.098	0.000	-0.026	0.012
313	164	3.562	1.128	0.076	0.134	-0.074	-0.499
	152	3.562	1.128	0.076	0.134	-0.036	0.065
314	177	0.446	0.044	-0.099	0.000	0.024	-0.011
	165	0.446	0.044	-0.099	0.000	-0.025	0.011
315	176	-5.133	0.874	-0.006	0.058	-0.029	-0.034
	164	-5.133	0.874	-0.006	0.058	-0.032	0.403
316	189	0.551	0.044	-0.098	0.000	0.025	-0.011
	177	0.551	0.044	-0.098	0.000	-0.024	0.011
317	188	-4.234	0.047	-0.004	0.051	-0.046	-0.024
	176	-4.234	0.047	-0.004	0.051	-0.047	-0.001
318	201	0.654	0.043	-0.095	0.000	0.025	-0.011
	189	0.654	0.043	-0.095	0.000	-0.023	0.010
319	200	-3.058	-0.065	-0.016	0.039	-0.057	0.044
	188	-3.058	-0.065	-0.016	0.039	-0.065	0.011
320	213	0.757	0.042	-0.099	0.000	0.027	-0.011
	201	0.757	0.042	-0.099	0.000	-0.023	0.010

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
321	212	-1.787	0.287	-0.032	0.023	-0.064	-0.063
	200	-1.787	0.287	-0.032	0.023	-0.080	0.081
322	222	-0.696	0.100	0.030	0.000	-0.008	-0.022
	210	-0.696	0.100	0.030	0.000	0.007	0.028
323	18	-9.924	0.045	-0.042	0.000	0.000	-0.005
	3	-9.924	0.045	-0.042	0.000	-0.020	0.017
324	30	-9.384	0.198	-0.061	0.000	0.011	-0.042
	18	-9.384	0.198	-0.061	0.000	-0.020	0.057
325	42	-8.854	0.171	-0.062	0.000	0.011	-0.042
	30	-8.854	0.171	-0.062	0.000	-0.020	0.044
326	54	-8.325	0.189	-0.111	0.000	0.022	-0.050
	42	-8.325	0.189	-0.111	0.000	-0.033	0.045
327	66	-7.789	0.145	-0.164	0.000	0.039	-0.045
	54	-7.789	0.145	-0.164	0.000	-0.043	0.027
328	78	-7.155	-0.053	-0.354	0.000	0.117	0.016
	66	-7.155	-0.053	-0.354	0.000	-0.060	-0.011
329	90	-6.596	0.360	0.269	0.000	-0.038	-0.091
	78	-6.596	0.360	0.269	0.000	0.096	0.088
330	102	-6.160	0.207	0.141	0.000	-0.038	-0.064
	90	-6.160	0.207	0.141	0.000	0.032	0.039
331	114	-5.644	0.145	0.071	0.000	-0.025	-0.038
	102	-5.644	0.145	0.071	0.000	0.011	0.035
332	126	-5.083	0.158	0.037	0.000	-0.016	-0.036
	114	-5.083	0.158	0.037	0.000	0.003	0.043
333	138	-4.523	0.171	0.015	0.000	-0.009	-0.039
	126	-4.523	0.171	0.015	0.000	-0.001	0.046
334	150	-3.970	0.177	0.002	0.000	-0.003	-0.042
	138	-3.970	0.177	0.002	0.000	-0.002	0.046
335	162	-3.424	0.179	-0.004	0.000	0.000	-0.044
	150	-3.424	0.179	-0.004	0.000	-0.002	0.045
336	174	-2.880	0.180	-0.007	0.000	0.001	-0.045
	162	-2.880	0.180	-0.007	0.000	-0.002	0.045
337	186	-2.338	0.182	-0.007	0.000	0.002	-0.046
	174	-2.338	0.182	-0.007	0.000	-0.001	0.045
338	198	-1.796	0.177	0.000	0.000	0.001	-0.044
	186	-1.796	0.177	0.000	0.000	0.000	0.045
339	210	-1.256	0.209	-0.007	0.000	0.004	-0.056
	198	-1.256	0.209	-0.007	0.000	0.001	0.049
340	219	5.418	0.037	0.115	0.000	-0.034	-0.010
	207	5.418	0.037	0.115	0.000	0.023	0.008
341	218	1.029	0.881	-0.099	0.029	0.117	-0.762
	206	1.029	0.881	-0.099	0.029	0.068	-0.322
342	15	-6.761	0.034	0.048	0.000	-0.019	-0.001
	2	-6.761	0.034	0.048	0.000	0.006	0.017
343	14	-1.127	0.517	-0.355	-0.497	-0.403	0.447
	12	-1.127	0.517	-0.355	-0.497	-0.581	0.705
344	27	-6.718	0.047	0.037	0.000	-0.012	-0.009
	15	-6.718	0.047	0.037	0.000	0.007	0.014
345	26	6.980	1.416	-0.392	-0.523	-0.197	-0.216
	14	6.980	1.416	-0.392	-0.523	-0.393	0.492
346	39	-6.690	0.011	0.073	0.000	-0.026	0.002
	27	-6.690	0.011	0.073	0.000	0.011	0.007
347	38	8.231	-0.302	-0.398	-0.522	-0.002	-0.035
	26	8.231	-0.302	-0.398	-0.522	-0.201	-0.186
348	51	-6.671	0.035	0.055	-0.001	-0.034	0.001
	39	-6.671	0.035	0.055	-0.001	-0.006	0.019
349	50	9.334	-0.091	-0.364	-0.491	0.167	0.029
	38	9.334	-0.091	-0.364	-0.491	-0.014	-0.017
350	63	-6.620	-0.040	0.108	-0.001	-0.066	0.038
	51	-6.620	-0.040	0.108	-0.001	-0.013	0.018
351	62	10.020	1.364	-0.233	-0.407	0.271	-0.645
	50	10.020	1.364	-0.233	-0.407	0.154	0.038
352	75	-6.735	0.462	-0.581	-0.001	0.217	-0.172
	63	-6.735	0.462	-0.581	-0.001	-0.073	0.059
353	74	-2.555	0.471	-2.091	-0.227	1.011	0.226
	62	-2.555	0.471	-2.091	-0.227	-0.034	0.462
354	87	4.349	-0.294	0.991	0.002	-0.145	0.017
	75	4.349	-0.294	0.991	0.002	0.351	-0.130
355	86	-1.364	0.500	0.263	0.133	0.838	-0.085
	74	-1.364	0.500	0.263	0.133	0.969	0.165
356	99	4.597	0.130	0.077	0.001	-0.068	0.001
	87	4.597	0.130	0.077	0.001	-0.030	0.065
357	98	-0.166	-0.312	1.299	0.345	0.177	0.026
	86	-0.166	-0.312	1.299	0.345	0.826	-0.130
358	111	4.719	0.074	0.062	0.000	-0.036	-0.006
	99	4.719	0.074	0.062	0.000	-0.005	0.031
359	110	1.116	1.262	1.505	0.432	-0.555	-0.612
	98	1.116	1.262	1.505	0.432	0.197	0.019
360	123	4.803	0.054	0.075	0.000	-0.027	-0.008
	111	4.803	0.054	0.075	0.000	0.010	0.019
361	122	-0.268	1.339	-0.045	0.257	-0.209	-0.043
	110	-0.268	1.339	-0.045	0.257	-0.231	0.626
362	135	4.878	0.048	0.078	0.000	-0.024	-0.009
	123	4.878	0.048	0.078	0.000	0.015	0.015
363	134	1.065	-0.027	0.001	0.275	-0.180	-0.007
	122	1.065	-0.027	0.001	0.275	-0.179	-0.021
364	147	4.949	0.045	0.075	0.000	-0.022	-0.010
	135	4.949	0.045	0.075	0.000	0.016	0.013
365	146	2.405	-0.066	0.034	0.282	-0.169	0.053
	134	2.405	-0.066	0.034	0.282	-0.151	0.021
366	159	5.019	0.042	0.074	0.000	-0.020	-0.010
	147	5.019	0.042	0.074	0.000	0.017	0.011
367	158	3.749	1.549	0.054	0.283	-0.169	-0.690
	146	3.749	1.549	0.054	0.283	-0.142	0.084
368	171	5.090	0.039	0.074	0.000	-0.019	-0.009
	159	5.090	0.039	0.074	0.000	0.018	0.010
369	170	-8.827	1.190	-0.033	0.080	-0.068	-0.044
	158	-8.827	1.190	-0.033	0.080	-0.085	0.551
370	183	5.164	0.039	0.075	0.000	-0.018	-0.010
	171	5.164	0.039	0.075	0.000	0.019	0.009
371	182	-8.111	-0.018	-0.018	0.075	-0.039	-0.003
	170	-8.111	-0.018	-0.018	0.075	-0.048	-0.012
372	195	5.242	0.037	0.077	0.000	-0.017	-0.010
	183	5.242	0.037	0.077	0.000	0.021	0.008
373	194	-7.006	-0.266	-0.026	0.067	-0.005	0.162
	182	-7.006	-0.266	-0.026	0.067	-0.018	0.029
374	207	5.326	0.033	0.086	0.000	-0.019	-0.009
	195	5.326	0.033	0.086	0.000	0.023	0.007
375	206	-5.770	1.113	-0.050	0.053	0.043	-0.360
	194	-5.770	1.113	-0.050	0.053	0.018	0.197
376	13	0.261	-0.098	-0.047	-0.033	0.023	0.069
	239	0.261	-0.098	-0.047	-0.033	0.000	0.021
377	10	0.189	0.000	-0.001	0.000	0.000	0.007
	236	0.189	0.000	-0.001	0.000	-0.001	0.007
378	230	5.914	2.020	0.489	0.019	-0.136	-0.748
	244	5.914	2.020	0.489	0.019	0.060	0.060
379	231	-0.150	-0.045	-0.076	0.066	0.117	0.021
	229	-0.150	-0.045	-0.076	0.066	0.041	-0.025
380	232	4.991	1.405	-0.469	-0.116	0.493	-0.657
	230	4.991	1.405	-0.469	-0.116	0.024	0.748
381	233	0.173	-0.146	0.041	-0.001	0.003	0.035
	3	0.173	-0.146	0.041	-0.001	0.025	-0.045
382	229	-0.344	0.009	-0.001	0.000	0.000	0.000
	235	-0.344	0.009	-0.001	0.000	-0.001	0.010
383	234	-7.679	-0.149	0.038	0.001	-0.007	0.037
	3	-7.679	-0.149	0.038	0.001	0.013	-0.044
384	230	-0.247	-0.004	-0.002	0.000	0.000	0.000
	236	-0.247	-0.004	-0.002	0.000	-0.002	-0.005
385	237	0.043	0.004	0.001	0.000	0.000	0.001
	8	0.043	0.004	0.001	0.000	0.001	0.003
386	235	-0.344	-0.180	-0.002	0.000	-0.001	0.017
	233	-0.344	-0.180	-0.002	0.000	-0.001	-0.031
387	238	0.043	-0.003	-0.013	0.000	-0.009	-0.002
	9	0.043	-0.003	-0.013	0.000	-0.016	-0.004
388	236	-0.247	0.185	-0.001	-0.001	-0.003	-0.012
	234	-0.247	0.185	-0.001	-0.001	-0.003	0.038
389	239	0.205	-0.040	-0.073	-0.037	-0.005	0.029
	240	0.205	-0.040	-0.073	-0.037	-0.041	0.009
390	237	0.043	0.004	-0.001	0.000	0.000	-0.001
	290	0.043	0.004	-0.001	0.000	0.000	-0.001
391	240	0.208	-0.084	-0.086	-0.037	-0.041	0.009
	229	0.208	-0.084	-0.086	-0.037	-0.076	-0.025
392	238	0.043	-0.003	0.013	0.000	-0.009	0.002
	291	0.043	-0.003	0.013	0.000	-0.002	0.000
393	241	-0.036	0.004	-0.001	0.000	0.000	0.001
	4	-0.036	0.004	-0.001	0.000	-0.001	0.004
394	242	-0.209	0.011	-0.030	0.000	-0.020	0.007
	5	-0.209	0.011	-0.030	0.000	-0.036	0.013
395	241	-0.036	0.004	0.001	0.000	0.000	-0.001
	292	-0.036	0.004	0.001	0.000	0.000	-0.001
396	242	-0.209	0.011	0.030	0.000	-0.020	-0.007
	293	-0.209	0.011	0.030	0.000	-0.004	-0.002
397	243	-0.252	-3.902	0.418	0.012	0.296	1.175
	12	-0.252	-3.902	0.418	0.012	0.505	-0.776
398	244	5.903	2.229	0.459	0.019	0.060	0.060
	243	5.903	2.229	0.459	0.019	0.289	1.175
399	228	0.000	0.000	0.000	0.000	0.000	0.000
	245	0.000	0.000	0.000	0.000	0.000	0.000
400	224	0.004	-0.189	-0.120	-0.019	0.126	0.028
	246	0.004	-0.189	-0.120	-0.019	0.066	-0.067
401	228	0.000	0.000	0.000	0.000	0.000	0.000
	247	0.000	0.000	0.000	0.000	0.000	0.000
402	248	-0.348	-0.137	0.222	0.052	-0.115	0.038
	249	-0.348	-0.137	0.222	0.052	-0.026	-0.017
403	250	-0.251	0.060	-0.162	0.071	0.189	-0.032
	251	-0.251	0.060	-0.162	0.071	0.027	0.027

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
404	252	-0.332	-0.075	-0.205	-0.099	0.261	0.036
	248	-0.332	-0.075	-0.205	-0.099	0.056	-0.038
405	251	0.000	0.000	0.000	0.000	0.000	0.000
	284	0.000	0.000	0.000	0.000	0.000	0.000
406	248	0.000	0.000	0.000	0.000	0.000	0.000
	247	0.000	0.000	0.000	0.000	0.000	0.000
407	253	0.057	0.004	0.000	0.000	0.000	0.001
	226	0.057	0.004	0.000	0.000	0.000	0.003
408	245	0.000	0.000	0.000	0.000	0.000	0.000
	254	0.000	0.000	0.000	0.000	0.000	0.000
409	255	0.117	0.002	-0.025	0.000	-0.017	0.001
	227	0.117	0.002	-0.025	0.000	-0.030	0.002
410	247	0.000	0.000	0.000	0.000	0.000	0.000
	256	0.000	0.000	0.000	0.000	0.000	0.000
411	246	-0.363	0.151	-0.149	-0.023	0.062	-0.061
	257	-0.363	0.151	-0.149	-0.023	-0.013	0.014
412	253	0.057	0.004	0.000	0.000	0.000	-0.001
	285	0.057	0.004	0.000	0.000	0.000	-0.001
413	257	-0.364	0.033	-0.174	-0.023	-0.013	0.014
	251	-0.364	0.033	-0.174	-0.023	-0.082	0.027
414	255	0.117	0.002	0.025	0.000	-0.017	-0.001
	287	0.117	0.002	0.025	0.000	-0.004	0.000
415	258	-0.036	0.002	0.000	0.000	0.000	0.001
	220	-0.036	0.002	0.000	0.000	0.000	0.002
416	259	-0.015	-0.003	-0.010	0.000	-0.007	-0.002
	221	-0.015	-0.003	-0.010	0.000	-0.012	-0.003
417	258	-0.036	0.002	0.000	0.000	0.000	-0.001
	288	-0.036	0.002	0.000	0.000	0.000	-0.001
418	259	-0.015	-0.003	0.010	0.000	-0.007	0.002
	289	-0.015	-0.003	0.010	0.000	-0.001	0.000
419	260	-0.009	0.214	0.188	0.046	0.086	-0.069
	218	-0.009	0.214	0.188	0.046	0.180	0.038
420	249	-0.345	-0.122	0.212	0.052	-0.026	-0.017
	260	-0.345	-0.122	0.212	0.052	0.080	-0.078
421	219	-7.787	0.012	-0.001	0.000	0.001	-0.008
	206	-7.787	0.012	-0.001	0.000	0.001	0.001
422	2	9.605	-0.010	0.019	0.000	-0.016	0.012
	14	9.605	-0.010	0.019	0.000	-0.003	0.005
423	7	1.588	-0.006	0.007	0.000	-0.004	0.004
	20	1.588	-0.006	0.007	0.000	0.001	-0.001
424	261	-0.040	-0.008	0.145	0.001	0.008	0.001
	35	-0.040	-0.008	0.145	0.001	0.075	-0.003
425	270	13.695	-0.028	0.055	-0.001	-0.009	-0.001
	271	13.695	-0.028	0.055	-0.001	0.025	-0.018
426	262	-0.190	-0.034	0.069	0.000	-0.014	0.006
	18	-0.190	-0.034	0.069	0.000	0.038	-0.019
427	271	0.115	-0.030	0.048	0.000	0.007	-0.036
	53	0.115	-0.030	0.048	0.000	0.029	-0.049
428	263	-0.359	0.000	0.001	0.000	0.004	-0.005
	273	-0.359	0.000	0.001	0.000	0.005	-0.005
429	271	13.553	-0.064	0.046	-0.001	0.000	-0.001
	272	13.553	-0.064	0.046	-0.001	0.029	-0.041
430	264	0.009	-0.020	-0.066	0.000	0.000	-0.005
	29	0.009	-0.020	-0.066	0.000	-0.030	-0.014
431	272	-1.120	-0.116	-0.021	0.000	0.026	-0.017
	64	-1.120	-0.116	-0.021	0.000	0.021	-0.043
432	265	0.024	0.016	-0.052	0.000	0.009	0.001
	274	0.024	0.016	-0.052	0.000	-0.011	0.007
433	272	13.505	0.056	-0.121	0.000	0.020	-0.033
	75	13.505	0.056	-0.121	0.000	-0.056	0.001
434	266	-0.015	0.001	-0.104	-0.001	-0.002	-0.002
	197	-0.015	0.001	-0.104	-0.001	-0.050	-0.002
435	273	13.443	-0.032	0.041	0.000	-0.016	0.019
	269	13.443	-0.032	0.041	0.000	0.009	-0.001
436	267	0.080	-0.015	0.046	0.000	-0.008	-0.001
	279	0.080	-0.015	0.046	0.000	0.009	-0.006
437	273	-0.181	0.027	-0.082	0.000	0.016	-0.005
	18	-0.181	0.027	-0.082	0.000	-0.014	0.005
438	268	0.018	-0.012	0.123	0.000	0.006	-0.001
	203	0.018	-0.012	0.123	0.000	0.063	-0.007
439	283	-0.075	-0.034	0.084	-0.001	-0.026	0.009
	166	-0.075	-0.034	0.084	-0.001	-0.007	0.001
440	282	0.002	-0.005	0.120	0.001	0.005	0.001
	179	0.002	-0.005	0.120	0.001	0.061	-0.001
441	281	0.010	-0.006	0.121	0.001	0.051	-0.002
	191	0.010	-0.006	0.121	0.001	0.062	-0.003
442	280	-0.064	-0.024	0.054	0.000	-0.010	0.002
	198	-0.064	-0.024	0.054	0.000	0.030	-0.015
443	279	0.080	-0.015	0.046	0.000	0.009	-0.006
	210	0.080	-0.015	0.046	0.000	0.026	-0.012
444	223	0.000	0.000	0.001	0.000	0.000	0.000
	211	0.000	0.000	0.001	0.000	0.000	0.000
445	278	0.055	0.022	-0.060	0.001	0.023	-0.008
	160	0.055	0.022	-0.060	0.001	0.009	-0.003
446	277	0.001	-0.001	-0.095	-0.001	-0.001	-0.006
	173	0.001	-0.001	-0.095	-0.001	-0.045	-0.006
447	276	-0.006	0.000	-0.098	-0.001	-0.038	-0.005
	185	-0.006	0.000	-0.098	-0.001	-0.046	-0.005
448	275	-0.076	0.020	-0.054	0.000	0.009	0.000
	198	-0.076	0.020	-0.054	0.000	-0.031	0.014
449	274	0.024	0.016	-0.052	0.000	-0.011	0.007
	210	0.024	0.016	-0.052	0.000	-0.030	0.013
450	19	0.000	0.000	0.008	0.000	-0.003	0.000
	6	0.000	0.000	0.008	0.000	0.001	0.000
451	31	0.000	0.000	0.014	0.000	-0.003	0.000
	19	0.000	0.000	0.014	0.000	0.004	0.000
452	43	0.000	0.000	0.012	0.000	-0.003	0.000
	31	0.000	0.000	0.012	0.000	0.003	0.000
453	55	0.000	0.000	0.011	0.000	-0.003	0.000
	43	0.000	0.000	0.011	0.000	0.003	0.000
454	67	0.000	0.000	0.005	0.000	-0.001	0.000
	55	0.000	0.000	0.005	0.000	0.002	0.000
455	79	0.000	0.000	0.004	0.000	-0.001	0.000
	67	0.000	0.000	0.004	0.000	0.001	0.000
456	91	0.000	0.000	0.003	0.000	0.000	0.000
	79	0.000	0.000	0.003	0.000	0.001	0.000
457	103	0.000	0.000	-0.006	0.000	0.002	0.000
	91	0.000	0.000	-0.006	0.000	-0.001	0.000
458	115	0.000	0.000	-0.005	0.000	0.001	0.000
	103	0.000	0.000	-0.005	0.000	-0.002	0.000
459	127	0.000	0.000	-0.006	0.000	0.002	0.000
	115	0.000	0.000	-0.006	0.000	-0.001	0.000
460	139	0.000	0.000	-0.011	0.000	0.003	0.000
	127	0.000	0.000	-0.011	0.000	-0.003	0.000
461	151	0.000	0.000	-0.011	0.000	0.003	0.000
	139	0.000	0.000	-0.011	0.000	-0.003	0.000
462	163	0.000	0.000	-0.006	0.000	0.001	0.000
	151	0.000	0.000	-0.006	0.000	-0.002	0.000
463	175	0.000	0.000	-0.005	0.000	0.002	0.000
	163	0.000	0.000	-0.005	0.000	-0.001	0.000
464	187	0.000	0.000	-0.007	0.000	0.001	0.000
	175	0.000	0.000	-0.007	0.000	-0.002	0.000
465	199	0.000	0.000	-0.003	0.000	0.001	0.000
	187	0.000	0.000	-0.003	0.000	-0.001	0.000
466	211	0.000	0.000	0.000	0.000	0.000	0.000
	199	0.000	0.000	0.000	0.000	0.000	0.000
467	217	0.000	0.000	-0.003	0.000	0.000	0.000
	205	0.000	0.000	-0.003	0.000	-0.001	0.000
468	11	0.000	0.000	0.013	0.000	-0.004	0.000
	1	0.000	0.000	0.013	0.000	0.002	0.000
469	25	0.000	0.000	0.036	0.000	-0.010	0.000
	11	0.000	0.000	0.036	0.000	0.008	0.000
470	37	0.000	0.000	0.046	0.000	-0.012	0.000
	25	0.000	0.000	0.046	0.000	0.011	0.000
471	49	0.000	0.000	0.053	0.000	-0.014	0.000
	37	0.000	0.000	0.053	0.000	0.013	0.000
472	284	0.000	0.000	0.000	0.000	0.000	0.000
	245	0.000	0.000	0.000	0.000	0.000	0.000
473	61	0.000	0.000	0.029	0.000	-0.005	0.000
	49	0.000	0.000	0.029	0.000	0.010	0.000
474	285	0.057	0.004	0.000	0.000	0.000	-0.001
	246	0.057	0.004	0.000	0.000	0.000	0.000
475	73	0.000	0.000	0.014	0.000	-0.005	0.000
	61	0.000	0.000	0.014	0.000	0.002	0.000
476	287	0.117	0.002	0.025	0.000	-0.004	0.000
	257	0.117	0.002	0.025	0.000	0.000	0.000
477	85	0.000	0.000	0.000	0.000	0.002	0.000
	73	0.000	0.000	0.000	0.000	0.002	0.000
478	97	0.000	0.000	-0.047	0.000	0.013	0.000
	85	0.000	0.000	-0.047	0.000	-0.010	0.000
479	288	-0.036	0.002	0.000	0.000	0.000	-0.001
	260	-0.036	0.002	0.000	0.000	0.000	0.000
480	109	0.000	0.000	-0.032	0.000	0.005	0.000
	97	0.000	0.000	-0.032	0.000	-0.011	0.000
481	289	-0.015	-0.003	0.010	0.000	-0.001	0.000
	249	-0.015	-0.003	0.010	0.000	0.000	0.000
482	121	0.000	0.000	-0.020	0.000	0.007	0.000
	109	0.000	0.000	-0.020	0.000	-0.003	0.000
483	133	0.000	0.000	-0.029	0.000	0.006	0.000
	121	0.000	0.000	-0.029	0.000	-0.008	0.000
484	145	0.000	0.000	-0.018	0.000	0.005	0.000
	133	0.000	0.000	-0.018	0.000	-0.005	0.000
485	157	0.000	0.000	-0.009	0.000	0.001	0.000
	145	0.000	0.000	-0.009	0.000	-0.003	0.000
486	169	0.000	0.000	-0.004	0.000	0.001	0.000
	157	0.000	0.000	-0.004	0.000	-0.001	0.000

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
487	181	0.000	0.000	-0.005	0.000	0.001	0.000
	169	0.000	0.000	-0.005	0.000	-0.002	0.000
488	193	0.000	0.000	-0.002	0.000	0.001	0.000
	181	0.000	0.000	-0.002	0.000	-0.001	0.000
489	290	0.043	0.004	-0.001	0.000	0.000	-0.001
	239	0.043	0.004	-0.001	0.000	0.000	0.000
490	291	0.043	-0.003	0.013	0.000	-0.002	0.000
	240	0.043	-0.003	0.013	0.000	0.000	0.000
491	292	-0.036	0.004	0.001	0.000	0.000	-0.001
	243	-0.036	0.004	0.001	0.000	0.000	0.000
492	293	-0.209	0.011	0.030	0.000	-0.004	-0.002
	244	-0.209	0.011	0.030	0.000	0.000	0.000
493	205	0.000	0.000	-0.004	0.000	0.001	0.000
	193	0.000	0.000	-0.004	0.000	-0.001	0.000
494	6	0.000	0.000	0.000	0.000	0.000	0.000
	286	0.000	0.000	0.000	0.000	0.000	0.000
495	232	0.000	0.000	0.000	0.000	0.000	0.000
	294	0.000	0.000	0.000	0.000	0.000	0.000
496	286	0.000	0.000	0.000	0.000	0.000	0.000
	295	0.000	0.000	0.000	0.000	0.000	0.000
497	295	0.000	0.000	0.000	0.000	0.000	0.000
	231	0.000	0.000	0.000	0.000	0.000	0.000
498	296	0.000	0.000	0.000	0.000	0.000	0.000
	1	0.000	0.000	0.000	0.000	0.000	0.000
499	294	0.000	0.000	0.000	0.000	0.000	0.000
	296	0.000	0.000	0.000	0.000	0.000	0.000
500	223	0.000	0.000	0.000	0.000	0.000	0.000
	297	0.000	0.000	0.000	0.000	0.000	0.000
501	252	0.000	0.000	0.000	0.000	0.000	0.000
	298	0.000	0.000	0.000	0.000	0.000	0.000
502	297	0.000	0.000	0.000	0.000	0.000	0.000
	299	0.000	0.000	0.000	0.000	0.000	0.000
503	299	0.000	0.000	0.000	0.000	0.000	0.000
	250	0.000	0.000	0.000	0.000	0.000	0.000
504	300	0.000	0.000	0.000	0.000	0.000	0.000
	217	0.000	0.000	0.000	0.000	0.000	0.000
505	298	0.000	0.000	0.000	0.000	0.000	0.000
	300	0.000	0.000	0.000	0.000	0.000	0.000
506	231	0.000	0.000	0.000	0.000	0.000	0.000
	232	0.000	0.000	0.000	0.000	0.000	0.000
507	250	0.000	0.000	0.000	0.000	0.000	0.000
	252	0.000	0.000	0.000	0.000	0.000	0.000
508	230	-5.536	0.000	-0.023	-0.008	0.019	0.000
	1	-5.536	0.000	-0.023	-0.008	-0.020	0.000
509	1	-12.520	-0.083	0.042	-0.002	-0.003	0.000
	301	-12.520	-0.083	0.042	-0.002	0.020	-0.044
510	6	-0.189	0.000	0.011	0.003	-0.008	0.000
	229	-0.189	0.000	0.011	0.003	0.010	0.000
511	217	0.335	0.000	-0.017	-0.005	0.014	0.000
	248	0.335	0.000	-0.017	-0.005	-0.015	0.000
512	217	12.391	0.082	0.004	0.002	-0.004	0.000
	315	12.391	0.082	0.004	0.002	-0.001	0.044
513	223	0.374	0.000	0.012	0.004	-0.010	0.000
	251	0.374	0.000	0.012	0.004	0.011	0.000
514	223	8.916	0.060	0.001	-0.002	0.000	0.000
	316	8.916	0.060	0.001	-0.002	0.001	0.032
515	6	-8.892	-0.059	0.000	-0.005	0.006	0.000
	302	-8.892	-0.059	0.000	-0.005	0.006	-0.032
516	301	5.826	0.013	-0.041	0.016	0.033	-0.010
	14	5.826	0.013	-0.041	0.016	0.000	0.000
517	301	-13.105	-0.303	0.014	-0.010	0.019	0.089
	303	-13.105	-0.303	0.014	-0.010	0.027	-0.075
518	302	2.088	0.000	-0.028	0.006	0.022	0.000
	20	2.088	0.000	-0.028	0.006	0.000	0.000
519	302	-9.300	-0.208	-0.001	-0.005	0.007	0.060
	304	-9.300	-0.208	-0.001	-0.005	0.006	-0.052
520	303	1.742	0.011	-0.107	0.023	0.064	-0.007
	26	1.742	0.011	-0.107	0.023	0.000	0.000
521	303	-13.173	-0.246	-0.003	-0.015	0.027	0.066
	305	-13.173	-0.246	-0.003	-0.015	0.025	-0.066
522	304	0.376	0.001	-0.070	0.006	0.042	0.000
	32	0.376	0.001	-0.070	0.006	0.000	0.000
523	304	-9.348	-0.162	-0.004	-0.004	0.006	0.043
	306	-9.348	-0.162	-0.004	-0.004	0.004	-0.044
524	305	-0.285	0.012	-0.247	0.024	0.099	-0.005
	38	-0.285	0.012	-0.247	0.024	0.000	0.000
525	305	-13.033	-0.339	-0.023	-0.015	0.026	0.082
	307	-13.033	-0.339	-0.023	-0.015	0.014	-0.101
526	306	-0.127	0.000	-0.162	0.005	0.065	0.000
	44	-0.127	0.000	-0.162	0.005	0.000	0.000
527	306	-9.264	-0.231	-0.005	-0.004	0.004	0.056
	308	-9.264	-0.231	-0.005	-0.004	0.001	-0.068
528	307	-1.327	-0.013	-0.655	0.019	0.131	0.003
	50	-1.327	-0.013	-0.655	0.019	0.000	0.000
529	307	-12.251	-0.089	-0.024	0.000	0.013	0.048
	62	-12.251	-0.089	-0.024	0.000	0.000	0.000
530	308	-0.825	-0.006	-0.437	0.003	0.087	0.001
	56	-0.825	-0.006	-0.437	0.003	0.000	0.000
531	308	-8.744	-0.062	-0.002	0.000	0.001	0.033
	68	-8.744	-0.062	-0.002	0.000	0.000	0.000
532	309	1.209	0.013	-0.626	-0.001	0.125	-0.003
	170	1.209	0.013	-0.626	-0.001	0.000	0.000
533	309	12.165	0.088	0.012	0.000	-0.007	-0.047
	158	12.165	0.088	0.012	0.000	0.000	0.000
534	310	0.823	0.008	-0.437	-0.002	0.087	-0.002
	176	0.823	0.008	-0.437	-0.002	0.000	0.000
535	310	8.771	0.062	0.010	0.000	-0.006	-0.033
	164	8.771	0.062	0.010	0.000	0.000	0.000
536	311	0.246	-0.001	-0.235	-0.001	0.094	0.000
	182	0.246	-0.001	-0.235	-0.001	0.000	0.000
537	311	12.910	0.326	-0.003	0.000	-0.003	-0.079
	309	12.910	0.326	-0.003	0.000	-0.005	0.097
538	312	0.115	0.002	-0.161	-0.002	0.065	-0.001
	188	0.115	0.002	-0.161	-0.002	0.000	0.000
539	312	9.290	0.231	-0.001	0.001	-0.004	-0.056
	310	9.290	0.231	-0.001	0.001	-0.005	0.068
540	313	-1.383	-0.002	-0.103	-0.001	0.062	0.001
	194	-1.383	-0.002	-0.103	-0.001	0.000	0.000
541	313	13.040	0.237	-0.002	0.001	-0.001	-0.064
	311	13.040	0.237	-0.002	0.001	-0.002	0.064
542	314	-0.352	0.001	-0.070	-0.001	0.042	-0.001
	200	-0.352	0.001	-0.070	-0.001	0.000	0.000
543	314	9.372	0.161	-0.003	0.000	-0.002	-0.043
	312	9.372	0.161	-0.003	0.000	-0.004	0.043
544	315	-5.296	-0.002	-0.040	-0.002	0.032	0.001
	206	-5.296	-0.002	-0.040	-0.002	0.000	0.000
545	315	12.971	0.299	0.000	0.001	-0.001	-0.087
	313	12.971	0.299	0.000	0.001	-0.001	0.074
546	316	-2.015	0.000	-0.028	0.001	0.022	0.000
	212	-2.015	0.000	-0.028	0.001	0.000	0.000
547	316	9.324	0.208	-0.004	0.000	0.000	-0.060
	314	9.324	0.208	-0.004	0.000	-0.002	0.052
565	227	0.104	0.194	-0.173	0.000	0.051	-0.064
	215	0.104	0.194	-0.173	0.000	-0.036	0.033
566	23	-0.087	0.194	-0.243	0.000	0.053	-0.035
	9	-0.087	0.194	-0.243	0.000	-0.069	0.062
567	35	-0.098	0.119	-0.321	0.000	0.075	-0.031
	23	-0.098	0.119	-0.321	0.000	-0.086	0.029
568	47	-0.057	0.153	-0.310	0.000	0.072	-0.041
	35	-0.057	0.153	-0.310	0.000	-0.083	0.036
569	59	0.024	0.135	-0.359	0.000	0.083	-0.041
	47	0.024	0.135	-0.359	0.000	-0.097	0.027
570	71	0.158	0.130	-0.369	0.000	0.088	-0.038
	59	0.158	0.130	-0.369	0.000	-0.097	0.027
571	83	0.327	-0.008	-0.434	0.000	0.134	0.030
	71	0.327	-0.008	-0.434	0.000	-0.083	0.026
572	95	0.444	0.143	0.281	0.000	-0.042	-0.014
	83	0.444	0.143	0.281	0.000	0.099	0.058
573	107	0.435	-0.003	0.178	0.000	-0.046	-0.014
	95	0.435	-0.003	0.178	0.000	0.043	-0.015
574	119	0.374	0.013	0.062	0.000	-0.021	-0.013
	107	0.374	0.013	0.062	0.000	0.010	-0.006
575	131	0.314	0.048	-0.034	0.000	0.003	-0.016
	119	0.314	0.048	-0.034	0.000	-0.014	0.008
576	143	0.270	0.074	-0.105	0.000	0.022	-0.020
	131	0.270	0.074	-0.105	0.000	-0.030	0.017
577	155	0.241	0.088	-0.145	0.000	0.034	-0.023
	143	0.241	0.088	-0.145	0.000	-0.039	0.021
578	167	0.222	0.095	-0.166	0.000	0.040	-0.024
	155	0.222	0.095	-0.166	0.000	-0.043	0.023
579	179	0.207	0.098	-0.175	0.000	0.044	-0.024
	167	0.207	0.098	-0.175	0.000	-0.044	0.025
580	191	0.193	0.097	-0.175	0.000	0.044	-0.024
	179	0.193	0.097	-0.175	0.000	-0.043	0.025
581	203	0.175	0.100	-0.172	0.000	0.044	-0.024
	191	0.175	0.100	-0.172	0.000	-0.042	0.026
582	215	0.150	0.085	-0.158	0.000	0.040	-0.017
	203	0.150	0.085	-0.158	0.000	-0.039	0.026
600	221	0.049	0.119	0.180	0.000	-0.043	-0.040
	209	0.049	0.119	0.180	0.000	0.047	0.019
601	17	-0.125	0.134	0.001	0.000	0.003	-0.026
	5	-0.125	0.134	0.001	0.000	0.004	0.040
602	29	-0.225	0.002	0.070	0.000	-0.020	0.001
	17	-0.225	0.002	0.070	0.000	0.015	0.002
603	41	-0.227	0.036	0.027	0.000	-0.023	0.008
	29	-0.227	0.036	0.027	0.000	-0.009	0.026

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
604	53	-0.496	0.042	-0.093	0.000	0.011	0.000
	41	-0.496	0.042	-0.093	0.000	-0.036	0.021
605	65	-0.481	0.097	-0.292	0.001	0.095	-0.060
	53	-0.481	0.097	-0.292	0.001	-0.051	-0.011
606	77	-0.591	-0.241	-0.345	0.001	0.150	0.022
	65	-0.591	-0.241	-0.345	0.001	-0.023	-0.098
607	89	-0.570	0.210	0.430	0.000	-0.064	-0.085
	77	-0.570	0.210	0.430	0.000	0.151	0.020
608	101	-0.364	-0.002	0.482	-0.001	-0.110	-0.025
	89	-0.364	-0.002	0.482	-0.001	0.131	-0.025
609	113	-0.184	0.033	0.290	0.000	-0.090	0.003
	101	-0.184	0.033	0.290	0.000	0.055	0.020
610	125	-0.080	0.082	0.201	0.000	-0.070	-0.001
	113	-0.080	0.082	0.201	0.000	0.030	0.040
611	137	-0.024	0.090	0.164	0.000	-0.054	-0.009
	125	-0.024	0.090	0.164	0.000	0.028	0.036
612	149	0.005	0.086	0.149	0.000	-0.044	-0.014
	137	0.005	0.086	0.149	0.000	0.030	0.029
613	161	0.021	0.081	0.142	0.000	-0.039	-0.017
	149	0.021	0.081	0.142	0.000	0.032	0.023
614	173	0.032	0.080	0.140	0.000	-0.035	-0.020
	161	0.032	0.080	0.140	0.000	0.035	0.020
615	185	0.039	0.081	0.143	0.000	-0.034	-0.022
	173	0.039	0.081	0.143	0.000	0.038	0.018
616	197	0.045	0.086	0.150	0.000	-0.033	-0.026
	185	0.045	0.086	0.150	0.000	0.042	0.017
617	209	0.053	0.078	0.177	0.000	-0.040	-0.024
	197	0.053	0.078	0.177	0.000	0.049	0.015

Load case 4 (Linear): SW+Seism on X direction

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
1	1	-0.545	-0.303	-0.145	-0.532	0.060	-0.144
	12	-1.097	-0.303	-0.145	-0.532	-0.085	-0.447
2	2	-1.620	-0.002	-0.013	0.000	0.005	0.003
	4	-1.623	-0.007	-0.013	0.000	-0.002	0.000
3	4	-1.616	0.006	-0.012	-0.001	-0.002	0.001
	5	-1.620	0.001	-0.012	-0.001	-0.009	0.003
4	5	-1.476	0.002	-0.025	0.001	0.013	-0.004
	234	-1.479	-0.003	-0.025	0.001	0.001	-0.004
5	6	2.863	-0.055	0.172	-0.577	-0.075	-0.214
	13	2.311	-0.055	0.172	-0.577	0.096	-0.269
6	7	0.880	0.037	-0.073	0.000	0.044	-0.021
	8	0.876	0.032	-0.073	0.000	0.000	0.000
7	8	0.865	0.019	-0.072	-0.001	0.001	0.001
	9	0.862	0.014	-0.072	-0.001	-0.042	0.012
8	9	0.565	-0.013	-0.051	0.000	0.024	0.003
	233	0.562	-0.017	-0.051	0.000	-0.001	-0.004
9	13	1.787	0.013	0.001	0.000	0.000	0.000
	7	1.781	0.013	0.001	0.000	0.000	0.007
10	219	1.061	-0.008	0.035	0.000	-0.018	0.007
	260	1.066	-0.014	0.035	0.000	0.006	-0.001
11	225	-1.146	-0.001	0.032	0.000	-0.016	0.001
	246	-1.141	-0.007	0.032	0.000	0.007	-0.001
12	10	0.025	-0.002	0.000	0.000	0.000	0.001
	235	0.025	-0.007	0.000	0.000	0.000	-0.001
13	7	-1.173	-0.011	-0.003	0.000	0.003	0.005
	239	-1.168	-0.017	-0.003	0.000	0.001	-0.005
14	12	-1.929	-0.021	0.015	0.000	0.000	0.000
	2	-1.934	-0.021	0.015	0.000	0.007	-0.010
15	2	2.014	0.014	-0.036	0.000	0.018	-0.005
	243	2.019	0.009	-0.036	0.000	-0.008	0.003
16	11	-0.116	0.022	-0.004	-0.056	0.000	0.000
	301	-0.144	0.022	-0.004	-0.056	-0.001	0.004
17	15	-0.128	0.012	-0.007	0.000	0.003	-0.002
	16	-0.132	0.006	-0.007	0.000	-0.001	0.003
18	16	-0.306	-0.025	-0.013	0.000	-0.001	0.019
	17	-0.310	-0.031	-0.013	0.000	-0.009	0.002
19	17	-0.227	0.003	-0.030	0.000	0.004	0.006
	263	-0.228	0.000	-0.030	0.000	-0.004	0.006
20	19	0.693	0.028	0.002	-0.061	0.000	0.000
	302	0.665	0.028	0.002	-0.061	0.000	0.006
21	21	0.182	0.018	-0.074	0.001	0.048	-0.016
	22	0.179	0.012	-0.074	0.001	0.003	-0.007
22	22	0.387	0.064	-0.075	-0.001	0.008	-0.023
	23	0.383	0.059	-0.075	-0.001	-0.037	0.014
23	23	0.515	0.037	-0.060	0.000	0.029	-0.016
	262	0.514	0.034	-0.060	0.000	0.012	-0.006
24	20	0.092	0.033	-0.018	0.000	0.000	0.000
	21	0.086	0.033	-0.018	0.000	-0.009	0.016
25	17	-0.101	-0.004	-0.022	0.000	0.028	-0.004
	24	-0.101	-0.016	-0.022	0.000	0.009	-0.012
26	14	-0.160	0.052	-0.005	0.000	0.006	-0.032
	16	-0.171	0.045	-0.005	0.000	0.000	0.016
27	24	-0.062	0.051	-0.068	0.000	0.009	-0.008
	23	-0.062	0.040	-0.068	0.000	-0.048	0.030
28	18	-0.075	0.039	-0.045	0.000	0.025	-0.019
	24	-0.067	0.039	-0.045	0.000	0.000	0.004
29	14	-0.106	-0.004	0.003	0.000	0.000	0.000
	15	-0.111	-0.004	0.003	0.000	0.002	-0.002
30	20	0.222	-0.035	-0.001	0.001	0.006	0.021
	22	0.211	-0.041	-0.001	0.001	0.005	-0.015
31	25	0.407	0.012	0.000	-0.046	0.000	0.000
	303	0.351	0.012	0.000	-0.046	0.000	0.005
32	27	-0.042	-0.003	0.004	0.000	-0.004	0.002
	28	-0.045	-0.009	0.004	0.000	-0.002	-0.001
33	28	-0.117	0.021	-0.012	0.000	-0.003	0.014
	264	-0.117	0.019	-0.012	0.000	-0.005	0.016
34	29	-0.149	-0.004	-0.076	0.000	0.002	0.013
	269	-0.151	-0.007	-0.076	0.000	-0.019	0.011
35	31	0.710	0.013	0.003	-0.050	0.000	0.000
	304	0.655	0.013	0.003	-0.050	0.001	0.005
36	33	0.048	0.008	-0.061	0.001	0.041	-0.013
	34	0.044	0.003	-0.061	0.001	0.004	-0.010
37	34	0.373	0.072	-0.053	-0.001	0.009	-0.037
	261	0.372	0.071	-0.053	-0.001	0.002	-0.027
38	35	0.499	0.030	-0.047	0.000	0.023	-0.014
	30	0.493	0.021	-0.047	0.000	-0.025	0.013
39	32	0.037	0.026	-0.012	0.000	0.000	0.000
	33	0.031	0.026	-0.012	0.000	-0.006	0.013
40	29	-0.088	-0.023	0.003	0.000	0.007	0.012
	36	-0.088	-0.035	0.003	0.000	0.009	-0.013
41	26	-0.041	0.064	-0.016	0.000	0.015	-0.044
	28	-0.052	0.057	-0.016	0.000	-0.001	0.015
42	36	-0.044	0.038	-0.048	0.000	0.009	-0.008
	35	-0.044	0.026	-0.048	0.000	-0.031	0.019
43	30	-0.080	0.044	-0.050	0.000	0.028	-0.021
	36	-0.072	0.044	-0.050	0.000	-0.001	0.005
44	26	-0.034	0.005	-0.004	0.000	0.000	0.000
	27	-0.040	0.005	-0.004	0.000	-0.002	0.002
45	32	0.339	-0.070	0.008	0.001	-0.003	0.045
	34	0.327	-0.077	0.008	0.001	0.005	-0.027
46	37	0.619	0.003	-0.001	-0.029	0.000	0.000
	305	0.536	0.003	-0.001	-0.029	-0.001	0.002
47	39	0.145	-0.002	-0.020	0.000	0.006	-0.001
	40	0.142	-0.008	-0.020	0.000	-0.006	-0.004
48	40	0.156	0.065	-0.043	0.000	-0.007	0.009
	270	0.153	0.061	-0.043	0.000	-0.029	0.041
49	41	-0.397	-0.022	0.007	0.000	-0.005	0.018
	42	-0.403	-0.031	0.007	0.000	0.002	-0.009
50	43	0.819	0.003	0.000	-0.030	0.000	0.000
	306	0.736	0.003	0.000	-0.030	0.000	0.002
51	45	0.004	0.004	-0.056	0.001	0.039	-0.012
	46	0.000	-0.002	-0.056	0.001	0.005	-0.011
52	46	0.399	0.076	-0.040	-0.001	0.010	-0.045
	47	0.395	0.071	-0.040	-0.001	-0.014	-0.001
53	47	0.535	0.028	-0.038	0.000	0.020	-0.014
	42	0.529	0.019	-0.038	0.000	-0.020	0.011
54	44	0.032	0.024	-0.012	0.000	0.000	0.000
	45	0.027	0.024	-0.012	0.000	-0.006	0.012
55	41	-0.207	-0.048	-0.001	0.000	0.009	0.028
	48	-0.207	-0.060	-0.001	0.000	0.008	-0.018
56	38	0.055	0.067	-0.023	0.000	0.022	-0.050
	40	0.044	0.060	-0.023	0.000	-0.001	0.012
57	48	-0.156	0.031	-0.039	0.000	0.008	-0.009
	47	-0.156	0.020	-0.039	0.000	-0.025	0.013
58	42	-0.098	0.051	-0.039	0.000	0.022	-0.020
	48	-0.091	0.051	-0.039	0.000	0.000	0.010
59	38	0.148	-0.002	0.003	0.000	0.000	0.000
	39	0.142	-0.002	0.003	0.000	0.001	-0.001
60	44	0.405	-0.092	0.016	0.001	-0.010	0.060
	46	0.394	-0.099	0.016	0.001	0.005	-0.034
61	49	0.350	0.010	-0.001	-0.014	0.000	0.000
	307	0.240	0.010	-0.001	-0.014	0.000	0.008
62	51	-0.064	0.018	-0.035	0.000	0.009	-0.004
	52	-0.068	0.012	-0.035	0.000	-0.012	0.005
63	52	-0.336	0.004	-0.071	0.001	-0.015	0.036
	271	-0.337	0.003	-0.071	0.001	-0.025	0.036
64	53	-0.335	-0.016	0.009	0.000	-0.009	0.015
	54	-0.341	-0.026	0.009	0.000	0.001	-0.006
65	55	0.698	0.009	-0.001	-0.013	0.000	0.000
	308	0.588	0.009	-0.001	-0.013	-0.001	0.008
66	57	0.052	0.004	-0.053	0.001	0.038	-0.012
	58	0.048	-0.001	-0.053	0.001	0.005	-0.011
67	58	0.480	0.068	-0.028	-0.001	0.011	-0.050
	59	0.476	0.062	-0.028	-0.001	-0.006	-0.011

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
68	59	0.515	0.030	-0.037	0.000	0.020	-0.015
	54	0.508	0.021	-0.037	0.000	-0.019	0.011
69	56	0.034	0.023	-0.011	0.000	0.000	0.000
	57	0.029	0.023	-0.011	0.000	-0.006	0.012
70	53	-0.045	-0.032	0.001	0.000	0.004	0.020
	60	-0.045	-0.044	0.001	0.000	0.005	-0.012
71	50	-0.235	0.113	-0.036	0.000	0.032	-0.077
	52	-0.247	0.106	-0.036	0.000	-0.003	0.030
72	60	-0.002	0.016	-0.030	0.000	0.005	-0.004
	59	-0.002	0.005	-0.030	0.000	-0.020	0.005
73	54	-0.067	0.044	-0.031	0.000	0.018	-0.017
	60	-0.060	0.044	-0.031	0.000	0.000	0.008
74	50	-0.047	-0.007	0.006	0.000	0.000	0.000
	51	-0.052	-0.007	0.006	0.000	0.003	-0.004
75	56	0.431	-0.114	0.025	0.001	-0.019	0.076
	58	0.420	-0.121	0.025	0.001	0.006	-0.039
76	61	0.723	6.421	-0.030	-0.209	0.017	-6.205
	62	0.171	6.421	-0.030	-0.209	-0.013	0.215
77	63	0.036	0.025	-0.043	0.000	0.005	-0.002
	272	0.034	0.021	-0.043	0.000	-0.011	0.007
78	64	-0.436	-0.025	-0.008	0.001	-0.017	0.050
	65	-0.439	-0.031	-0.008	0.001	-0.022	0.033
79	65	-0.379	-0.016	0.016	0.000	-0.011	0.014
	66	-0.386	-0.026	0.016	0.000	0.005	-0.007
80	67	1.342	6.813	0.040	-0.187	-0.021	-6.524
	68	0.790	6.813	0.040	-0.187	0.019	0.289
81	69	0.025	0.003	-0.047	0.001	0.035	-0.011
	70	0.021	-0.002	-0.047	0.001	0.006	-0.011
82	70	0.478	0.060	-0.016	-0.001	0.012	-0.054
	71	0.474	0.054	-0.016	-0.001	0.002	-0.019
83	71	0.502	0.030	-0.033	0.000	0.018	-0.016
	66	0.496	0.020	-0.033	0.000	-0.016	0.010
84	68	0.031	0.022	-0.010	0.000	0.000	0.000
	69	0.026	0.022	-0.010	0.000	-0.005	0.011
85	65	-0.057	-0.029	0.011	0.000	-0.003	0.019
	72	-0.057	-0.040	0.011	0.000	0.006	-0.010
86	62	-0.368	0.141	-0.046	-0.001	0.039	-0.095
	64	-0.379	0.134	-0.046	-0.001	-0.006	0.039
87	72	-0.014	0.005	-0.021	0.000	0.006	-0.003
	71	-0.014	-0.007	-0.021	0.000	-0.011	-0.003
88	66	-0.052	0.043	-0.032	0.000	0.018	-0.017
	72	-0.045	0.043	-0.032	0.000	0.000	0.008
89	62	0.074	-0.003	0.004	0.000	0.000	0.000
	63	0.069	-0.003	0.004	0.000	0.002	-0.002
90	68	0.452	-0.131	0.031	0.001	-0.025	0.088
	70	0.440	-0.138	0.031	0.001	0.006	-0.043
91	73	0.165	0.000	0.000	-0.018	0.000	0.000
	74	0.027	0.000	0.000	-0.018	0.000	0.000
92	75	0.080	0.011	0.010	-0.001	-0.012	0.003
	76	0.076	0.006	0.010	-0.001	-0.006	0.008
93	76	-0.360	-0.030	-0.033	0.001	-0.010	0.055
	77	-0.364	-0.035	-0.033	0.001	-0.030	0.036
94	77	-0.363	-0.019	0.025	0.000	-0.016	0.015
	78	-0.370	-0.028	0.025	0.000	0.010	-0.009
95	79	0.621	0.000	0.000	-0.017	0.000	0.000
	80	0.483	0.000	0.000	-0.017	0.000	0.000
96	81	0.040	0.002	-0.042	0.001	0.032	-0.010
	82	0.036	-0.003	-0.042	0.001	0.007	-0.010
97	82	0.503	0.052	-0.008	-0.001	0.012	-0.056
	83	0.499	0.047	-0.008	-0.001	0.007	-0.026
98	83	0.495	0.028	-0.028	0.000	0.016	-0.015
	78	0.489	0.019	-0.028	0.000	-0.013	0.009
99	80	0.030	0.020	-0.009	0.000	0.000	0.000
	81	0.024	0.020	-0.009	0.000	-0.005	0.010
100	77	-0.013	-0.029	0.022	0.000	-0.012	0.020
	84	-0.013	-0.040	0.022	0.000	0.007	-0.009
101	74	-0.399	0.159	-0.044	-0.001	0.038	-0.106
	76	-0.410	0.153	-0.044	-0.001	-0.004	0.047
102	84	0.030	-0.005	-0.011	0.000	0.007	-0.002
	83	0.030	-0.016	-0.011	0.000	-0.002	-0.010
103	78	-0.043	0.043	-0.033	0.000	0.019	-0.017
	84	-0.036	0.043	-0.033	0.000	0.000	0.007
104	74	-0.014	0.007	-0.006	0.000	0.000	0.000
	75	-0.019	0.007	-0.006	0.000	-0.003	0.004
105	80	0.457	-0.141	0.034	0.001	-0.028	0.095
	82	0.446	-0.148	0.034	0.001	0.006	-0.046
106	85	0.192	0.000	0.000	-0.006	0.000	0.000
	86	0.054	0.000	0.000	-0.006	0.000	0.000
107	87	0.008	0.008	0.015	-0.001	-0.015	0.005
	88	0.004	0.003	0.015	-0.001	-0.007	0.008
108	88	-0.414	-0.023	-0.030	0.001	-0.011	0.055
	89	-0.417	-0.028	-0.030	0.001	-0.029	0.039
109	89	-0.383	-0.022	0.031	0.000	-0.019	0.016
	90	-0.389	-0.031	0.031	0.000	0.013	-0.011
110	91	0.795	0.000	0.000	-0.005	0.000	0.000
	92	0.657	0.000	0.000	-0.005	0.000	0.000
111	93	0.025	0.001	-0.037	0.001	0.029	-0.009
	94	0.021	-0.005	-0.037	0.001	0.007	-0.010
112	94	0.499	0.050	-0.001	-0.001	0.012	-0.057
	95	0.495	0.044	-0.001	-0.001	0.012	-0.029
113	95	0.494	0.025	-0.022	0.000	0.013	-0.014
	90	0.487	0.016	-0.022	0.000	-0.010	0.007
114	92	0.026	0.018	-0.008	0.000	0.000	0.000
	93	0.021	0.018	-0.008	0.000	-0.004	0.009
115	89	-0.036	-0.032	0.030	0.000	-0.018	0.023
	96	-0.036	-0.043	0.030	0.000	0.007	-0.009
116	86	-0.378	0.161	-0.045	-0.001	0.039	-0.107
	88	-0.389	0.155	-0.045	-0.001	-0.004	0.047
117	96	0.008	-0.010	-0.004	0.000	0.007	-0.002
	95	0.008	-0.022	-0.004	0.000	0.004	-0.015
118	90	-0.041	0.044	-0.034	0.000	0.019	-0.018
	96	-0.033	0.044	-0.034	0.000	0.000	0.007
119	86	0.034	0.010	-0.008	0.000	0.000	0.000
	87	0.028	0.010	-0.008	0.000	-0.004	0.005
120	92	0.467	-0.147	0.036	0.001	-0.030	0.099
	94	0.456	-0.154	0.036	0.001	0.005	-0.047
121	97	0.183	0.000	0.000	0.006	0.000	0.000
	98	0.045	0.000	0.000	0.006	0.000	0.000
122	99	-0.009	0.007	0.015	-0.001	-0.016	0.005
	100	-0.013	0.002	0.015	-0.001	-0.007	0.008
123	100	-0.421	-0.018	-0.030	0.001	-0.011	0.054
	101	-0.425	-0.024	-0.030	0.001	-0.029	0.042
124	101	-0.381	-0.023	0.033	0.000	-0.020	0.017
	102	-0.387	-0.032	0.033	0.000	0.014	-0.012
125	103	0.666	0.000	0.000	0.007	0.000	0.000
	104	0.529	0.000	0.000	0.007	0.000	0.000
126	105	0.021	-0.001	-0.036	0.001	0.028	-0.009
	106	0.017	-0.006	-0.036	0.001	0.007	-0.011
127	106	0.516	0.052	0.003	-0.001	0.012	-0.060
	107	0.513	0.047	0.003	-0.001	0.014	-0.030
128	107	0.500	0.023	-0.018	0.000	0.011	-0.013
	102	0.494	0.013	-0.018	0.000	-0.008	0.006
129	104	0.023	0.017	-0.008	0.000	0.000	0.000
	105	0.017	0.017	-0.008	0.000	-0.004	0.009
130	101	-0.037	-0.034	0.033	0.000	-0.021	0.025
	108	-0.037	-0.045	0.033	0.000	0.007	-0.009
131	98	-0.367	0.162	-0.045	-0.001	0.039	-0.108
	100	-0.378	0.155	-0.045	-0.001	-0.005	0.047
132	108	0.006	-0.013	0.001	0.000	0.007	-0.001
	107	0.006	-0.024	0.001	0.000	0.007	-0.017
133	102	-0.040	0.043	-0.032	0.000	0.018	-0.017
	108	-0.032	0.043	-0.032	0.000	0.000	0.007
134	98	0.013	0.010	-0.009	0.000	0.000	0.000
	99	0.007	0.010	-0.009	0.000	-0.004	0.005
135	104	0.488	-0.152	0.039	0.001	-0.032	0.103
	106	0.477	-0.159	0.039	0.001	0.005	-0.049
136	109	0.624	6.730	-0.008	-0.008	0.006	-6.853
	110	0.072	6.730	-0.008	-0.008	-0.002	-0.123
137	111	-0.005	0.007	0.016	-0.001	-0.016	0.005
	112	-0.009	0.001	0.016	-0.001	-0.007	0.008
138	112	-0.425	-0.019	-0.030	0.001	-0.011	0.055
	113	-0.429	-0.025	-0.030	0.001	-0.030	0.042
139	113	-0.381	-0.023	0.034	0.000	-0.020	0.017
	114	-0.387	-0.032	0.034	0.000	0.015	-0.012
140	115	1.406	6.962	0.015	-0.011	-0.007	-7.069
	116	0.854	6.962	0.015	-0.011	0.008	-0.108
141	117	0.016	-0.002	-0.035	0.001	0.028	-0.008
	118	0.012	-0.008	-0.035	0.001	0.007	-0.011
142	118	0.529	0.056	0.004	-0.001	0.012	-0.061
	119	0.525	0.050	0.004	-0.001	0.015	-0.030
143	119	0.507	0.021	-0.017	0.000	0.010	-0.012
	114	0.501	0.012	-0.017	0.000	-0.007	0.005
144	116	0.021	0.017	-0.008	0.000	0.000	0.000
	117	0.016	0.017	-0.008	0.000	-0.004	0.008
145	113	-0.041	-0.034	0.035	0.000	-0.023	0.025
	120	-0.041	-0.045	0.035	0.000	0.007	-0.009
146	110	-0.375	0.165	-0.046	-0.001	0.040	-0.110
	112	-0.386	0.158	-0.046	-0.001	-0.005	0.048
147	120	0.000	-0.013	0.003	0.000	0.007	-0.001
	119	0.000	-0.025	0.003	0.000	0.009	-0.017
148	114	-0.040	0.041	-0.032	0.000	0.018	-0.017
	120	-0.032	0.041	-0.032	0.000	0.000	0.007
149	110	0.018	0.011	-0.009	0.000	0.000	0.000
	111	0.012	0.011	-0.009	0.000	-0.004	0.005
150	116	0.506	-0.156	0.039	0.001	-0.032	0.105
	118	0.495	-0.162	0.039	0.001	0.005	-0.050

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
151	121	0.189	0.000	0.000	-0.007	0.000	0.000
	122	0.051	0.000	0.000	-0.007	0.000	0.000
152	123	-0.010	0.006	0.017	-0.001	-0.017	0.005
	124	-0.013	0.001	0.017	-0.001	-0.007	0.008
153	124	-0.420	-0.017	-0.030	0.001	-0.011	0.054
	125	-0.424	-0.023	-0.030	0.001	-0.029	0.042
154	125	-0.380	-0.023	0.034	0.000	-0.020	0.017
	126	-0.386	-0.032	0.034	0.000	0.015	-0.012
155	127	0.655	0.000	0.000	-0.008	0.000	0.000
	128	0.517	0.000	0.000	-0.008	0.000	0.000
156	129	0.020	-0.002	-0.033	0.001	0.027	-0.008
	130	0.016	-0.008	-0.033	0.001	0.007	-0.011
157	130	0.521	0.053	0.004	-0.001	0.012	-0.060
	131	0.518	0.048	0.004	-0.001	0.015	-0.030
158	131	0.503	0.021	-0.015	0.000	0.010	-0.012
	126	0.497	0.011	-0.015	0.000	-0.006	0.005
159	128	0.021	0.016	-0.007	0.000	0.000	0.000
	129	0.015	0.016	-0.007	0.000	-0.004	0.008
160	125	-0.039	-0.034	0.036	0.000	-0.024	0.026
	132	-0.039	-0.045	0.036	0.000	0.007	-0.008
161	122	-0.365	0.163	-0.046	-0.001	0.040	-0.109
	124	-0.376	0.156	-0.046	-0.001	-0.005	0.047
162	132	0.002	-0.014	0.005	0.000	0.006	-0.001
	131	0.002	-0.026	0.005	0.000	0.011	-0.018
163	126	-0.039	0.041	-0.031	0.000	0.018	-0.016
	132	-0.031	0.041	-0.031	0.000	0.000	0.007
164	122	0.012	0.011	-0.009	0.000	0.000	0.000
	123	0.007	0.011	-0.009	0.000	-0.005	0.005
165	128	0.495	-0.153	0.037	0.001	-0.031	0.103
	130	0.483	-0.159	0.037	0.001	0.005	-0.049
166	133	0.204	0.000	0.000	0.004	0.000	0.000
	134	0.066	0.000	0.000	0.004	0.000	0.000
167	135	-0.014	0.006	0.018	-0.001	-0.017	0.006
	136	-0.017	0.000	0.018	-0.001	-0.007	0.008
168	136	-0.414	-0.017	-0.027	0.001	-0.011	0.054
	137	-0.418	-0.022	-0.027	0.001	-0.028	0.042
169	137	-0.380	-0.023	0.035	0.000	-0.020	0.017
	138	-0.386	-0.032	0.035	0.000	0.016	-0.012
170	139	0.807	0.000	0.000	0.004	0.000	0.000
	140	0.669	0.000	0.000	0.004	0.000	0.000
171	141	0.021	-0.002	-0.032	0.001	0.026	-0.008
	142	0.017	-0.008	-0.032	0.001	0.007	-0.011
172	142	0.514	0.051	0.006	-0.001	0.012	-0.059
	143	0.510	0.046	0.006	-0.001	0.016	-0.030
173	143	0.499	0.019	-0.013	0.000	0.008	-0.011
	138	0.493	0.010	-0.013	0.000	-0.005	0.004
174	140	0.021	0.016	-0.007	0.000	0.000	0.000
	141	0.015	0.016	-0.007	0.000	-0.004	0.008
175	137	-0.036	-0.033	0.037	0.000	-0.025	0.025
	144	-0.036	-0.045	0.037	0.000	0.006	-0.008
176	134	-0.356	0.160	-0.045	-0.001	0.039	-0.107
	136	-0.367	0.153	-0.045	-0.001	-0.005	0.046
177	144	0.004	-0.016	0.007	0.000	0.006	-0.001
	143	0.004	-0.027	0.007	0.000	0.012	-0.019
178	138	-0.037	0.040	-0.030	0.000	0.017	-0.016
	144	-0.029	0.040	-0.030	0.000	0.000	0.007
179	134	0.009	0.011	-0.009	0.000	0.000	0.000
	135	0.003	0.011	-0.009	0.000	-0.005	0.006
180	140	0.486	-0.151	0.038	0.001	-0.031	0.102
	142	0.475	-0.158	0.038	0.001	0.005	-0.049
181	145	0.197	0.000	0.000	0.016	0.000	0.000
	146	0.060	0.000	0.000	0.016	0.000	0.000
182	147	-0.013	0.005	0.019	-0.001	-0.019	0.006
	148	-0.017	0.000	0.019	-0.001	-0.007	0.008
183	148	-0.414	-0.018	-0.024	0.001	-0.012	0.053
	149	-0.417	-0.024	-0.024	0.001	-0.026	0.041
184	149	-0.381	-0.023	0.037	0.000	-0.021	0.016
	150	-0.387	-0.032	0.037	0.000	0.017	-0.012
185	151	0.657	0.000	0.000	0.016	0.000	0.000
	152	0.519	0.000	0.000	0.016	0.000	0.000
186	153	0.018	-0.003	-0.030	0.001	0.025	-0.007
	154	0.014	-0.008	-0.030	0.001	0.007	-0.011
187	154	0.515	0.052	0.008	-0.001	0.012	-0.059
	155	0.512	0.047	0.008	-0.001	0.016	-0.030
188	155	0.501	0.017	-0.009	0.000	0.006	-0.010
	150	0.494	0.007	-0.009	0.000	-0.003	0.003
189	152	0.019	0.015	-0.007	0.000	0.000	0.000
	153	0.014	0.015	-0.007	0.000	-0.003	0.007
190	149	-0.035	-0.032	0.039	0.000	-0.027	0.025
	156	-0.035	-0.043	0.039	0.000	0.006	-0.007
191	146	-0.355	0.158	-0.044	-0.001	0.038	-0.106
	148	-0.367	0.152	-0.044	-0.001	-0.005	0.046
192	156	0.002	-0.017	0.010	0.000	0.006	-0.001
	155	0.002	-0.028	0.010	0.000	0.015	-0.020
193	150	-0.034	0.037	-0.029	0.000	0.016	-0.015
	156	-0.027	0.037	-0.029	0.000	0.000	0.006
194	146	0.010	0.012	-0.010	0.000	0.000	0.000
	147	0.004	0.012	-0.010	0.000	-0.005	0.006
195	152	0.491	-0.152	0.038	0.001	-0.032	0.102
	154	0.480	-0.158	0.038	0.001	0.005	-0.049
196	157	0.690	6.653	0.019	0.175	-0.009	-6.428
	158	0.138	6.653	0.019	0.175	0.011	0.225
197	159	-0.012	0.004	0.022	-0.001	-0.020	0.007
	278	-0.015	0.001	0.022	-0.001	-0.012	0.008
198	160	-0.410	-0.021	-0.021	0.001	-0.012	0.053
	161	-0.414	-0.026	-0.021	0.001	-0.024	0.039
199	161	-0.382	-0.022	0.038	0.000	-0.021	0.015
	162	-0.389	-0.031	0.038	0.000	0.018	-0.012
200	163	1.413	6.946	-0.004	0.175	0.004	-6.674
	164	0.862	6.946	-0.004	0.175	-0.001	0.272
201	165	0.014	-0.004	-0.028	0.001	0.024	-0.007
	283	0.012	-0.007	-0.028	0.001	0.013	-0.009
202	166	0.515	0.055	0.009	-0.001	0.011	-0.059
	167	0.511	0.049	0.009	-0.001	0.017	-0.028
203	167	0.503	0.013	-0.004	0.000	0.004	-0.007
	162	0.496	0.004	-0.004	0.000	-0.001	0.001
204	164	0.018	0.014	-0.006	0.000	0.000	0.000
	165	0.012	0.014	-0.006	0.000	-0.003	0.007
205	161	-0.035	-0.030	0.042	0.000	-0.030	0.024
	168	-0.035	-0.041	0.042	0.000	0.006	-0.006
206	158	-0.354	0.156	-0.044	-0.001	0.037	-0.104
	160	-0.365	0.150	-0.044	-0.001	-0.005	0.045
207	168	-0.002	-0.017	0.014	0.000	0.006	-0.001
	167	-0.002	-0.028	0.014	0.000	0.018	-0.021
208	162	-0.032	0.033	-0.028	0.000	0.016	-0.014
	168	-0.024	0.033	-0.028	0.000	0.000	0.005
209	158	0.012	0.014	-0.011	0.000	0.000	0.000
	159	0.006	0.014	-0.011	0.000	-0.006	0.007
210	164	0.495	-0.149	0.036	0.001	-0.031	0.101
	166	0.484	-0.156	0.036	0.001	0.005	-0.048
211	169	0.264	0.009	0.000	0.013	0.000	0.000
	309	0.154	0.009	0.000	0.013	0.000	0.007
212	171	-0.020	0.002	0.026	-0.001	-0.022	0.008
	172	-0.024	-0.003	0.026	-0.001	-0.006	0.007
213	172	-0.393	-0.020	-0.016	0.001	-0.011	0.050
	277	-0.394	-0.021	-0.016	0.001	-0.013	0.047
214	173	-0.383	-0.021	0.041	0.000	-0.022	0.013
	174	-0.390	-0.030	0.041	0.000	0.020	-0.013
215	175	0.695	0.009	0.001	0.013	0.000	0.000
	310	0.584	0.009	0.001	0.013	0.001	0.007
216	177	0.017	-0.004	-0.023	0.001	0.021	-0.006
	178	0.013	-0.010	-0.023	0.001	0.007	-0.010
217	178	0.495	0.052	0.010	-0.001	0.011	-0.056
	282	0.494	0.051	0.010	-0.001	0.012	-0.049
218	179	0.496	0.007	0.003	0.000	0.000	-0.004
	174	0.489	-0.002	0.003	0.000	0.003	-0.001
219	176	0.016	0.012	-0.006	0.000	0.000	0.000
	177	0.010	0.012	-0.006	0.000	-0.003	0.006
220	173	-0.028	-0.027	0.048	0.000	-0.035	0.023
	180	-0.028	-0.038	0.048	0.000	0.006	-0.005
221	170	-0.330	0.148	-0.042	-0.001	0.036	-0.099
	172	-0.341	0.142	-0.042	-0.001	-0.005	0.043
222	180	-0.001	-0.019	0.022	0.000	0.006	-0.002
	179	-0.001	-0.030	0.022	0.000	0.025	-0.022
223	174	-0.027	0.026	-0.026	0.000	0.014	-0.012
	180	-0.020	0.026	-0.026	0.000	0.000	0.003
224	170	0.005	0.015	-0.012	0.000	0.000	0.000
	171	-0.001	0.015	-0.012	0.000	-0.006	0.008
225	176	0.473	-0.142	0.033	0.001	-0.028	0.095
	178	0.462	-0.148	0.033	0.001	0.004	-0.046
226	181	0.321	0.003	0.000	0.030	0.000	0.000
	311	0.239	0.003	0.000	0.030	0.000	0.002
227	183	-0.031	0.000	0.033	-0.001	-0.026	0.009
	184	-0.035	-0.005	0.033	-0.001	-0.006	0.007
228	184	-0.377	-0.025	-0.004	0.001	-0.011	0.047
	276	-0.380	-0.030	-0.004	0.001	-0.013	0.033
229	185	-0.386	-0.019	0.045	0.000	-0.022	0.010
	186	-0.393	-0.028	0.045	0.000	0.024	-0.014
230	187	0.831	0.002	0.000	0.030	0.000	0.000
	312	0.749	0.002	0.000	0.030	0.000	0.001
231	189	0.019	-0.006	-0.017	0.001	0.016	-0.004
	190	0.016	-0.012	-0.017	0.001	0.006	-0.010
232	190	0.474	0.053	0.013	0.000	0.009	-0.052
	281	0.470	0.048	0.013	0.000	0.016	-0.026
233	191	0.485	-0.003	0.017	0.000	-0.008	0.002
	186	0.479	-0.012	0.017	0.000	0.009	-0.006

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
234	188	0.014	0.009	-0.004	0.000	0.000	0.000
	189	0.009	0.009	-0.004	0.000	-0.002	0.004
235	185	-0.022	-0.020	0.055	0.000	-0.041	0.020
	192	-0.022	-0.031	0.055	0.000	0.006	-0.002
236	182	-0.307	0.134	-0.036	-0.001	0.030	-0.089
	184	-0.318	0.128	-0.036	-0.001	-0.005	0.039
237	192	-0.008	-0.021	0.034	0.000	0.005	-0.002
	191	-0.008	-0.032	0.034	0.000	0.034	-0.024
238	186	-0.019	0.015	-0.022	0.000	0.012	-0.008
	192	-0.011	0.015	-0.022	0.000	0.000	0.000
239	182	-0.003	0.018	-0.015	0.000	0.000	0.000
	183	-0.008	0.018	-0.015	0.000	-0.007	0.009
240	188	0.453	-0.129	0.029	0.001	-0.025	0.087
	190	0.442	-0.136	0.029	0.001	0.004	-0.043
241	193	0.365	0.013	0.000	0.050	0.000	0.000
	313	0.309	0.013	0.000	0.050	0.000	0.005
242	195	-0.033	-0.003	0.043	-0.001	-0.032	0.011
	196	-0.036	-0.008	0.043	-0.001	-0.006	0.008
243	196	-0.332	-0.032	0.016	0.001	-0.011	0.041
	266	-0.333	-0.034	0.016	0.001	-0.009	0.037
244	197	-0.387	-0.016	0.053	0.000	-0.025	0.006
	275	-0.389	-0.018	0.053	0.000	-0.010	0.001
245	199	0.930	0.016	0.000	0.050	0.000	0.000
	314	0.875	0.016	0.000	0.050	0.000	0.006
246	201	0.002	-0.011	-0.006	0.000	0.009	-0.002
	202	-0.002	-0.016	-0.006	0.000	0.005	-0.010
247	202	0.423	0.056	0.016	0.000	0.008	-0.047
	268	0.422	0.054	0.016	0.000	0.010	-0.039
248	203	0.487	-0.019	0.038	0.000	-0.019	0.012
	280	0.485	-0.022	0.038	0.000	-0.009	0.006
249	200	-0.002	0.003	-0.002	0.000	0.000	0.000
	201	-0.007	0.003	-0.002	0.000	-0.001	0.002
250	197	-0.014	-0.009	0.067	0.000	-0.051	0.014
	204	-0.014	-0.020	0.067	0.000	0.006	0.002
251	194	-0.267	0.110	-0.027	-0.001	0.021	-0.071
	196	-0.278	0.103	-0.027	-0.001	-0.006	0.033
252	204	-0.017	-0.023	0.051	0.000	0.005	-0.003
	203	-0.017	-0.034	0.051	0.000	0.048	-0.027
253	198	-0.005	-0.003	-0.016	0.001	0.009	-0.002
	204	0.003	-0.003	-0.016	0.001	0.000	-0.004
254	194	0.001	0.023	-0.019	0.000	0.000	0.000
	195	-0.005	0.023	-0.019	0.000	-0.009	0.011
255	200	0.426	-0.109	0.022	0.000	-0.019	0.072
	202	0.415	-0.115	0.022	0.000	0.002	-0.037
256	205	0.231	0.028	0.002	0.060	0.000	0.000
	315	0.203	0.028	0.002	0.060	0.000	0.006
257	207	-0.202	-0.010	0.054	-0.001	-0.039	0.014
	208	-0.206	-0.016	0.054	-0.001	-0.006	0.007
258	208	-0.345	-0.020	0.040	0.001	-0.011	0.025
	209	-0.349	-0.025	0.040	0.001	0.013	0.012
259	209	-0.369	-0.016	0.064	0.000	-0.027	0.003
	265	-0.371	-0.018	0.064	0.000	-0.009	-0.002
260	211	1.240	0.159	0.005	0.054	0.000	0.000
	316	1.212	0.159	0.005	0.054	0.001	0.032
261	213	0.125	-0.015	0.013	0.000	-0.004	0.003
	214	0.121	-0.020	0.013	0.000	0.004	-0.008
262	214	0.422	0.042	0.018	0.000	0.005	-0.032
	215	0.418	0.037	0.018	0.000	0.015	-0.009
263	215	0.407	-0.037	0.063	0.000	-0.032	0.021
	267	0.406	-0.039	0.063	0.000	-0.014	0.011
264	212	0.036	-0.006	0.006	0.000	0.000	0.000
	213	0.031	-0.006	0.006	0.000	0.003	-0.003
265	209	-0.026	0.001	0.077	0.000	-0.060	0.009
	216	-0.026	-0.010	0.077	0.000	0.005	0.005
266	206	-0.117	0.062	-0.015	-0.001	0.009	-0.039
	208	-0.128	0.056	-0.015	-0.001	-0.006	0.019
267	216	-0.045	-0.027	0.067	0.000	0.004	-0.003
	215	-0.045	-0.038	0.067	0.000	0.061	-0.030
268	210	0.009	-0.019	-0.010	0.001	0.006	0.003
	216	0.016	-0.019	-0.010	0.001	0.000	-0.008
269	206	-0.184	0.029	-0.024	0.000	0.000	0.000
	207	-0.190	0.029	-0.024	0.000	-0.012	0.014
270	212	0.310	-0.064	0.005	0.000	-0.004	0.041
	214	0.298	-0.071	0.005	0.000	0.000	-0.025
271	217	-0.292	-0.283	0.121	0.573	-0.051	-0.138
	218	-0.844	-0.283	0.121	0.573	0.070	-0.421
272	219	-0.770	-0.026	0.051	0.000	-0.032	0.017
	220	-0.774	-0.031	0.051	0.000	-0.002	-0.001
273	220	-0.752	-0.001	0.050	0.001	-0.002	-0.002
	221	-0.756	-0.007	0.050	0.001	0.028	-0.004
274	221	-0.506	-0.019	0.059	0.000	-0.029	0.008
	222	-0.513	-0.028	0.059	0.000	0.032	-0.016
275	223	2.170	-0.095	-0.189	0.601	0.070	-0.206
	224	1.619	-0.095	-0.189	0.601	-0.118	-0.300
276	225	0.896	0.013	0.007	0.000	-0.003	-0.006
	226	0.892	0.007	0.007	0.000	0.001	0.000
277	226	0.898	0.012	0.006	0.001	0.001	-0.002
	227	0.894	0.007	0.006	0.001	0.005	0.004
278	227	0.639	-0.026	0.066	0.000	-0.035	0.015
	222	0.633	-0.035	0.066	0.000	0.033	-0.017
279	224	0.908	-0.017	0.001	0.000	0.000	0.000
	225	0.903	-0.017	0.001	0.000	0.000	-0.009
280	3	1.678	-0.021	0.034	0.000	-0.011	0.004
	273	1.680	-0.027	0.034	0.000	0.010	-0.011
281	269	-0.349	-0.024	0.040	0.000	-0.018	0.012
	30	-0.353	-0.030	0.040	0.000	0.011	-0.008
282	269	1.383	0.053	-0.057	0.000	0.010	-0.007
	270	1.386	0.046	-0.057	0.000	-0.026	0.024
283	270	-0.622	0.074	1.075	0.001	-0.072	0.040
	41	-0.623	0.073	1.075	0.001	0.025	0.046
284	218	-1.390	0.017	-0.017	0.000	0.000	0.000
	219	-1.395	0.017	-0.017	0.000	-0.009	0.008
285	225	0.605	-0.028	0.036	0.000	-0.019	0.015
	212	0.611	-0.033	0.036	0.000	0.007	-0.007
286	225	-0.448	0.029	-0.096	0.000	0.027	-0.005
	213	-0.448	0.022	-0.096	0.000	-0.021	0.008
287	224	-0.867	0.059	-3.843	-0.963	2.035	0.059
	212	-0.867	-0.217	-3.843	-0.963	0.113	0.020
288	21	0.279	-0.064	0.168	0.000	-0.035	0.015
	7	0.279	-0.071	0.168	0.000	0.049	-0.019
289	20	-0.875	0.356	3.684	0.894	0.121	-0.037
	13	-0.875	0.081	3.684	0.894	1.962	0.073
290	33	0.187	-0.027	0.060	0.000	-0.025	0.013
	21	0.187	-0.033	0.060	0.000	0.005	-0.002
291	32	-1.210	0.073	2.158	0.870	-0.893	-0.009
	20	-1.210	-0.203	2.158	0.870	0.186	-0.042
292	45	0.114	-0.018	0.051	0.000	-0.016	0.007
	33	0.114	-0.025	0.051	0.000	0.009	-0.003
293	44	-1.185	0.143	0.582	0.825	-1.133	-0.009
	32	-1.185	-0.133	0.582	0.825	-0.842	-0.007
294	57	0.046	-0.033	0.074	0.000	-0.020	0.010
	45	0.046	-0.039	0.074	0.000	0.017	-0.008
295	56	-1.146	0.142	-1.013	0.765	-0.602	-0.002
	44	-1.146	-0.134	-1.013	0.765	-1.109	0.000
296	69	-0.018	-0.022	0.057	0.000	-0.017	0.008
	57	-0.018	-0.029	0.057	0.000	0.011	-0.005
297	68	-1.079	0.264	-2.625	0.690	0.703	-0.049
	56	-1.079	-0.011	-2.625	0.690	-0.610	0.014
298	81	-0.076	-0.025	0.060	0.000	-0.018	0.009
	69	-0.076	-0.032	0.060	0.000	0.012	-0.006
299	80	-0.833	0.063	2.482	0.312	-0.363	-0.008
	68	-0.833	-0.213	2.482	0.312	0.878	-0.046
300	93	-0.127	-0.019	0.048	0.000	-0.015	0.007
	81	-0.127	-0.025	0.048	0.000	0.009	-0.004
301	92	-0.789	0.206	0.787	0.217	-0.753	-0.018
	80	-0.789	-0.070	0.787	0.217	-0.360	0.016
302	105	-0.173	-0.018	0.046	0.000	-0.013	0.006
	93	-0.173	-0.025	0.046	0.000	0.010	-0.005
303	104	-0.744	0.176	-0.917	0.118	-0.305	-0.011
	92	-0.744	-0.100	-0.917	0.118	-0.763	0.008
304	117	-0.216	-0.018	0.046	0.000	-0.012	0.005
	105	-0.216	-0.024	0.046	0.000	0.011	-0.005
305	116	-0.698	0.287	-2.635	0.015	0.990	-0.057
	104	-0.698	0.011	-2.635	0.015	-0.327	0.017
306	129	-0.258	-0.020	0.048	0.000	-0.012	0.006
	117	-0.258	-0.026	0.048	0.000	0.012	-0.006
307	128	-0.637	0.084	2.598	0.018	-0.314	-0.010
	116	-0.637	-0.192	2.598	0.018	0.985	-0.037
308	141	-0.299	-0.019	0.047	0.000	-0.013	0.006
	129	-0.299	-0.025	0.047	0.000	0.011	-0.005
309	140	-0.592	0.210	0.877	-0.085	-0.759	-0.019
	128	-0.592	-0.066	0.877	-0.085	-0.321	0.017
310	153	-0.338	-0.017	0.044	0.000	-0.012	0.006
	141	-0.338	-0.024	0.044	0.000	0.009	-0.004
311	152	-0.547	0.177	-0.838	-0.187	-0.360	-0.011
	140	-0.547	-0.099	-0.838	-0.187	-0.779	0.008
312	165	-0.375	-0.016	0.042	0.000	-0.012	0.006
	153	-0.375	-0.023	0.042	0.000	0.009	-0.004
313	164	-0.502	0.296	-2.554	-0.290	0.885	-0.062
	152	-0.502	0.021	-2.554	-0.290	-0.392	0.017
314	177	-0.409	-0.017	0.042	0.000	-0.013	0.006
	165	-0.409	-0.024	0.042	0.000	0.008	-0.004
315	176	-0.524	0.081	2.653	-0.663	-0.631	-0.006
	164	-0.524	-0.195	2.653	-0.663	0.695	-0.035
316	189	-0.438	-0.015	0.037	0.000	-0.014	0.007
	177	-0.438	-0.021	0.037	0.000	0.004	-0.002

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
317	188	-0.505	0.219	1.012	-0.758	-1.152	-0.022
	176	-0.505	-0.057	1.012	-0.758	-0.646	0.018
318	201	-0.459	-0.011	0.027	0.000	-0.014	0.008
	189	-0.459	-0.018	0.027	0.000	-0.001	0.001
319	200	-0.478	0.212	-0.622	-0.845	-0.882	-0.037
	188	-0.478	-0.064	-0.622	-0.845	-1.193	0.000
320	213	-0.466	-0.005	0.022	0.000	-0.018	0.008
	201	-0.466	-0.012	0.022	0.000	-0.007	0.004
321	212	-0.457	0.078	-2.258	-0.917	0.183	0.009
	200	-0.457	-0.197	-2.258	-0.917	-0.946	-0.021
322	222	0.007	0.015	-0.203	0.000	0.054	-0.001
	210	0.007	0.008	-0.203	0.000	-0.048	0.005
323	18	-1.296	-0.069	0.094	0.000	-0.024	0.021
	3	-1.296	-0.075	0.094	0.000	0.023	-0.015
324	30	-1.169	-0.102	0.035	0.000	-0.016	0.030
	18	-1.169	-0.109	0.035	0.000	0.002	-0.023
325	42	-1.033	-0.086	0.002	0.000	-0.005	0.026
	30	-1.033	-0.092	0.002	0.000	-0.004	-0.019
326	54	-0.949	-0.041	0.047	0.000	-0.013	0.014
	42	-0.949	-0.047	0.047	0.000	0.010	-0.008
327	66	-0.871	-0.057	0.019	0.000	-0.007	0.016
	54	-0.871	-0.063	0.019	0.000	0.002	-0.014
328	78	-0.791	-0.055	0.017	0.000	-0.007	0.015
	66	-0.791	-0.061	0.017	0.000	0.001	-0.014
329	90	-0.705	-0.063	-0.005	0.000	-0.001	0.017
	78	-0.705	-0.070	-0.005	0.000	-0.004	-0.016
330	102	-0.618	-0.058	-0.012	0.000	0.001	0.016
	90	-0.618	-0.065	-0.012	0.000	-0.004	-0.014
331	114	-0.533	-0.055	-0.015	0.000	0.003	0.015
	102	-0.533	-0.062	-0.015	0.000	-0.004	-0.014
332	126	-0.452	-0.056	-0.012	0.000	0.003	0.015
	114	-0.452	-0.063	-0.012	0.000	-0.004	-0.015
333	138	-0.371	-0.055	-0.015	0.000	0.003	0.015
	126	-0.371	-0.062	-0.015	0.000	-0.005	-0.014
334	150	-0.293	-0.053	-0.021	0.000	0.004	0.015
	138	-0.293	-0.060	-0.021	0.000	-0.006	-0.014
335	162	-0.218	-0.051	-0.025	0.000	0.005	0.014
	150	-0.218	-0.058	-0.025	0.000	-0.008	-0.013
336	174	-0.148	-0.050	-0.029	0.000	0.005	0.015
	162	-0.148	-0.056	-0.029	0.000	-0.010	-0.012
337	186	-0.085	-0.045	-0.040	0.000	0.005	0.015
	174	-0.085	-0.052	-0.040	0.000	-0.015	-0.009
338	198	-0.034	-0.035	-0.062	0.000	0.008	0.013
	186	-0.034	-0.041	-0.062	0.000	-0.022	-0.006
339	210	-0.003	-0.028	-0.089	0.000	0.012	0.014
	198	-0.003	-0.034	-0.089	0.000	-0.033	-0.001
340	219	-0.097	0.051	-0.178	0.000	0.055	-0.018
	207	-0.097	0.045	-0.178	0.000	-0.034	0.006
341	218	0.869	0.385	-3.640	-0.927	1.943	-0.104
	206	0.869	0.109	-3.640	-0.927	0.123	0.020
342	15	0.386	-0.041	0.093	0.000	-0.022	0.011
	2	0.386	-0.048	0.093	0.000	0.025	-0.012
343	14	0.766	0.041	3.376	0.848	0.110	-0.027
	12	0.766	-0.235	3.376	0.848	1.798	-0.076
344	27	0.396	0.015	-0.024	0.000	-0.007	0.005
	15	0.396	0.008	-0.024	0.000	-0.019	0.011
345	26	0.445	0.107	1.911	0.814	-0.786	-0.005
	14	0.445	-0.169	1.911	0.814	0.169	-0.021
346	39	0.388	0.035	-0.052	0.000	0.015	-0.011
	27	0.388	0.028	-0.052	0.000	-0.011	0.005
347	38	0.466	0.152	0.514	0.770	-0.988	0.001
	26	0.466	-0.124	0.514	0.770	-0.731	0.008
348	51	0.411	-0.021	0.068	0.000	-0.014	0.004
	39	0.411	-0.028	0.068	0.000	0.020	-0.008
349	50	0.484	0.242	-0.803	0.720	-0.547	-0.032
	38	0.484	-0.034	-0.803	0.720	-0.949	0.020
350	63	0.452	0.017	-0.002	0.000	-0.005	0.000
	51	0.452	0.010	-0.002	0.000	-0.006	0.006
351	62	0.507	0.206	-2.292	0.643	0.617	-0.038
	50	0.507	-0.069	-2.292	0.643	-0.528	-0.004
352	75	0.498	-0.005	0.010	0.000	-0.006	0.005
	63	0.498	-0.012	0.010	0.000	-0.001	0.001
353	74	0.400	0.219	2.490	0.333	-0.399	-0.032
	62	0.400	-0.056	2.490	0.333	0.846	0.009
354	87	0.317	0.006	-0.040	0.000	0.005	0.002
	75	0.317	0.000	-0.040	0.000	-0.015	0.004
355	86	0.449	0.194	0.822	0.227	-0.773	-0.026
	74	0.449	-0.082	0.822	0.227	-0.362	0.002
356	99	0.294	-0.004	-0.028	0.000	0.006	0.002
	87	0.294	-0.011	-0.028	0.000	-0.008	-0.002
357	98	0.502	0.207	-0.839	0.120	-0.328	-0.027
	86	0.502	-0.068	-0.839	0.120	-0.748	0.008
358	111	0.270	-0.004	-0.029	0.000	0.007	0.002
	99	0.270	-0.011	-0.029	0.000	-0.008	-0.002
359	110	0.556	0.218	-2.497	0.012	0.933	-0.033
	98	0.556	-0.057	-2.497	0.012	-0.315	0.007
360	123	0.245	-0.006	-0.027	0.000	0.006	0.002
	111	0.245	-0.013	-0.027	0.000	-0.007	-0.002
361	122	0.604	0.201	2.569	0.026	-0.323	-0.028
	110	0.604	-0.074	2.569	0.026	0.961	0.004
362	135	0.220	-0.006	-0.027	0.000	0.006	0.003
	123	0.220	-0.013	-0.027	0.000	-0.008	-0.002
363	134	0.659	0.209	0.912	-0.083	-0.751	-0.028
	122	0.659	-0.067	0.912	-0.083	-0.295	0.007
364	147	0.193	-0.006	-0.031	0.000	0.006	0.003
	135	0.193	-0.012	-0.031	0.000	-0.009	-0.002
365	146	0.713	0.203	-0.739	-0.190	-0.366	-0.027
	134	0.713	-0.072	-0.739	-0.190	-0.736	0.006
366	159	0.163	-0.007	-0.032	0.000	0.006	0.003
	147	0.163	-0.013	-0.032	0.000	-0.010	-0.002
367	158	0.767	0.206	-2.390	-0.295	0.832	-0.028
	146	0.767	-0.070	-2.390	-0.295	-0.363	0.006
368	171	0.130	-0.010	-0.031	0.000	0.005	0.005
	159	0.130	-0.016	-0.031	0.000	-0.011	-0.002
369	170	0.866	0.172	2.592	-0.624	-0.621	-0.023
	158	0.866	-0.104	2.592	-0.624	0.675	-0.006
370	183	0.091	-0.012	-0.034	0.000	0.003	0.007
	171	0.091	-0.018	-0.034	0.000	-0.014	-0.001
371	182	0.926	0.207	1.013	-0.723	-1.111	-0.027
	170	0.926	-0.069	1.013	-0.723	-0.604	0.008
372	195	0.044	-0.014	-0.042	0.000	0.003	0.009
	183	0.044	-0.021	-0.042	0.000	-0.018	0.000
373	194	0.981	0.175	-0.563	-0.811	-0.843	-0.019
	182	0.981	-0.100	-0.563	-0.811	-1.124	-0.001
374	207	-0.018	-0.023	-0.045	0.000	-0.002	0.015
	195	-0.018	-0.030	-0.045	0.000	-0.024	0.001
375	206	1.029	0.125	-2.133	-0.882	0.182	0.006
	194	1.029	-0.151	-2.133	-0.882	-0.884	-0.001
376	13	-5.071	0.605	-1.045	0.169	1.386	-0.625
	239	-5.071	0.330	-1.045	0.169	0.863	-0.392
377	10	0.025	0.002	0.000	0.000	0.000	0.001
	236	0.025	-0.003	0.000	0.000	0.000	0.001
378	230	6.408	1.762	-0.980	0.155	0.077	-0.659
	244	6.408	1.541	-0.980	0.155	-0.315	0.002
379	231	-3.545	0.973	-1.032	0.066	0.864	-0.527
	229	-4.097	0.973	-1.032	0.066	-0.168	0.446
380	232	6.105	1.309	0.960	0.061	-0.806	-0.651
	230	5.553	1.309	0.960	0.061	0.154	0.659
381	233	0.555	0.015	-0.051	0.000	-0.001	0.002
	3	0.552	0.010	-0.051	0.000	-0.028	0.009
382	229	0.046	0.001	0.000	0.000	0.000	0.000
	235	0.034	0.001	0.000	0.000	0.000	0.001
383	234	-1.491	0.022	-0.024	0.000	0.001	0.000
	3	-1.495	0.017	-0.024	0.000	-0.012	0.010
384	230	0.032	-0.001	0.001	0.000	0.000	0.000
	236	0.019	-0.001	0.001	0.000	0.001	-0.002
385	237	-0.011	-0.002	-0.001	0.000	0.000	-0.001
	8	-0.016	-0.002	-0.001	0.000	-0.001	-0.002
386	235	0.026	-0.024	0.000	0.000	0.000	0.000
	233	0.023	-0.024	0.000	0.000	0.000	-0.006
387	238	-0.085	0.007	-0.005	0.000	-0.003	0.005
	9	-0.091	0.007	-0.005	0.000	-0.006	0.009
388	236	0.016	0.024	0.001	0.000	0.001	-0.003
	234	0.014	0.024	0.001	0.000	0.001	0.004
389	239	-5.907	1.150	-1.049	0.170	0.864	-0.397
	240	-5.907	0.875	-1.049	0.170	0.339	0.109
390	237	-0.011	-0.002	0.001	0.000	0.000	0.001
	290	-0.011	-0.002	0.001	0.000	0.000	0.001
391	240	-5.915	0.953	-1.054	0.170	0.339	0.109
	229	-5.915	0.732	-1.054	0.170	-0.083	0.446
392	238	-0.085	0.007	0.005	0.000	-0.003	-0.005
	291	-0.080	0.007	0.005	0.000	-0.001	-0.001
393	241	0.020	0.002	0.001	0.000	0.000	0.001
	4	0.015	0.002	0.001	0.000	0.001	0.001
394	242	0.133	-0.006	0.017	0.000	0.011	-0.004
	5	0.128	-0.006	0.017	0.000	0.020	-0.007
395	241	0.020	0.002	-0.001	0.000	0.000	-0.001
	292	0.021	0.002	-0.001	0.000	0.000	0.000
396	242	0.133	-0.006	-0.017	0.000	0.011	0.004
	293	0.139	-0.006	-0.017	0.000	0.002	0.001
397	243	4.978	-0.321	-0.926	0.161	-0.803	0.630
	12	4.978	-0.597	-0.926	0.161	-1.266	0.401
398	244	6.414	1.401	-0.964	0.155	-0.315	0.002
	243	6.414	1.125	-0.964	0.155	-0.797	0.633
399	228	0.000	0.000	0.000	0.000	0.000	0.001
	245	0.000	-0.005	0.000	0.000	0.000	0.000

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
400	224	-5.241	0.652	1.057	-0.178	-1.434	-0.662
	246	-5.241	0.376	1.057	-0.178	-0.906	-0.405
401	228	0.000	0.000	0.000	0.000	0.000	0.001
	247	0.000	-0.005	0.000	0.000	0.000	0.000
402	248	6.013	1.540	1.058	-0.169	-0.084	-0.587
	249	6.013	1.320	1.058	-0.169	0.339	-0.015
403	250	-3.698	1.008	1.085	-0.069	-0.914	-0.543
	251	-4.249	1.008	1.085	-0.069	0.171	0.465
404	252	5.680	1.185	-1.035	-0.067	0.867	-0.598
	248	5.128	1.185	-1.035	-0.067	-0.168	0.587
405	251	0.021	0.000	0.000	0.000	0.000	0.000
	284	0.014	0.000	0.000	0.000	0.000	0.000
406	248	0.021	0.000	0.000	0.000	0.000	0.000
	247	0.008	0.000	0.000	0.000	0.000	0.000
407	253	0.013	0.002	0.001	0.000	0.000	0.001
	226	0.007	0.002	0.001	0.000	0.001	0.002
408	245	0.003	0.000	0.000	0.000	0.000	0.000
	254	0.000	0.000	0.000	0.000	0.000	0.000
409	255	-0.133	-0.009	0.019	0.000	0.013	-0.006
	227	-0.138	-0.009	0.019	0.000	0.022	-0.011
410	247	0.003	0.000	0.000	0.000	0.000	0.000
	256	0.000	0.000	0.000	0.000	0.000	0.000
411	246	-6.055	1.161	1.090	-0.173	-0.901	-0.407
	257	-6.055	0.886	1.090	-0.173	-0.356	0.105
412	253	0.013	0.002	-0.001	0.000	0.000	-0.001
	285	0.013	0.002	-0.001	0.000	0.000	-0.001
413	257	-6.046	1.011	1.109	-0.173	-0.356	0.105
	251	-6.046	0.790	1.109	-0.173	0.087	0.465
414	255	-0.133	-0.009	-0.019	0.000	0.013	0.006
	287	-0.127	-0.009	-0.019	0.000	0.003	0.001
415	258	0.043	-0.001	-0.001	0.000	0.000	0.000
	220	0.037	-0.001	-0.001	0.000	-0.001	-0.001
416	259	0.112	0.010	-0.014	0.000	-0.009	0.007
	221	0.106	0.010	-0.014	0.000	-0.016	0.012
417	258	0.043	-0.001	0.001	0.000	0.000	0.000
	288	0.043	-0.001	0.001	0.000	0.000	0.000
418	259	0.112	0.010	0.014	0.000	-0.009	-0.007
	289	0.117	0.010	0.014	0.000	-0.002	-0.001
419	260	5.260	0.115	1.008	-0.174	0.866	0.517
	218	5.260	-0.161	1.008	-0.174	1.370	0.506
420	249	6.003	1.201	1.044	-0.169	0.339	-0.015
	260	6.003	0.925	1.044	-0.169	0.861	0.516
421	219	0.310	-0.027	0.040	0.000	-0.020	0.015
	206	0.315	-0.033	0.040	0.000	0.008	-0.006
422	2	-0.468	0.013	-0.020	0.000	0.011	-0.005
	14	-0.462	0.007	-0.020	0.000	-0.004	0.002
423	7	-0.509	0.008	-0.025	0.000	0.013	-0.004
	20	-0.503	0.003	-0.025	0.000	-0.004	0.000
424	261	0.372	0.071	-0.053	-0.001	0.002	-0.027
	35	0.369	0.067	-0.053	-0.001	-0.023	0.005
425	270	0.026	0.013	-0.023	0.000	0.011	0.002
	271	0.028	0.007	-0.023	0.000	-0.003	0.008
426	262	0.514	0.034	-0.060	0.000	0.012	-0.006
	18	0.509	0.027	-0.060	0.000	-0.032	0.017
427	271	-0.411	-0.001	0.050	0.000	-0.032	0.037
	53	-0.414	-0.005	0.050	0.000	-0.009	0.035
428	263	-0.228	0.000	-0.030	0.000	-0.004	0.006
	273	-0.231	-0.003	-0.030	0.000	-0.016	0.006
429	271	-0.113	0.003	-0.010	0.000	0.003	0.005
	272	-0.111	-0.003	-0.010	0.000	-0.003	0.005
430	264	-0.117	0.019	-0.012	0.000	-0.005	0.016
	29	-0.120	0.015	-0.012	0.000	-0.010	0.025
431	272	-0.034	0.016	0.038	-0.001	-0.020	0.007
	64	-0.035	0.014	0.038	-0.001	-0.012	0.011
432	265	-0.371	-0.018	0.064	0.000	-0.009	-0.002
	274	-0.373	-0.022	0.064	0.000	0.015	-0.009
433	272	-0.215	0.004	-0.013	0.000	0.006	0.002
	75	-0.213	-0.003	-0.013	0.000	-0.002	0.002
434	266	-0.333	-0.034	0.016	0.001	-0.009	0.037
	197	-0.336	-0.038	0.016	0.001	-0.002	0.020
435	273	1.592	0.002	0.013	0.000	0.002	-0.007
	269	1.594	-0.005	0.013	0.000	0.010	-0.008
436	267	0.406	-0.039	0.063	0.000	-0.014	0.011
	279	0.403	-0.042	0.063	0.000	0.009	-0.004
437	273	-0.309	-0.019	0.021	0.000	-0.007	0.006
	18	-0.311	-0.022	0.021	0.000	0.001	-0.002
438	268	0.422	0.054	0.016	0.000	0.010	-0.039
	203	0.419	0.050	0.016	0.000	0.017	-0.015
439	283	0.012	-0.007	-0.028	0.001	0.013	-0.009
	166	0.011	-0.009	-0.028	0.001	0.007	-0.011
440	282	0.494	0.051	0.010	-0.001	0.012	-0.049
	179	0.491	0.047	0.010	-0.001	0.017	-0.026
441	281	0.470	0.048	0.013	0.000	0.016	-0.026
	191	0.470	0.047	0.013	0.000	0.017	-0.022
442	280	0.485	-0.022	0.038	0.000	-0.009	0.006
	198	0.480	-0.028	0.038	0.000	0.020	-0.013
443	279	0.403	-0.042	0.063	0.000	0.009	-0.004
	210	0.401	-0.046	0.063	0.000	0.033	-0.021
444	223	0.000	0.383	0.068	0.000	-0.011	-0.032
	211	0.000	-0.383	0.068	0.000	0.023	-0.032
445	278	-0.015	0.001	0.022	-0.001	-0.012	0.008
	160	-0.016	-0.001	0.022	-0.001	-0.007	0.008
446	277	-0.394	-0.021	-0.016	0.001	-0.013	0.047
	173	-0.397	-0.026	-0.016	0.001	-0.021	0.036
447	276	-0.380	-0.030	-0.004	0.001	-0.013	0.033
	185	-0.381	-0.030	-0.004	0.001	-0.014	0.030
448	275	-0.389	-0.018	0.053	0.000	-0.010	0.001
	198	-0.393	-0.025	0.053	0.000	0.030	-0.015
449	274	-0.373	-0.022	0.064	0.000	0.015	-0.009
	210	-0.375	-0.025	0.064	0.000	0.038	-0.018
450	19	0.000	0.383	-0.079	0.000	0.026	-0.032
	6	0.000	-0.383	-0.079	0.000	-0.013	-0.032
451	31	0.000	0.383	-0.127	0.000	0.029	-0.032
	19	0.000	-0.383	-0.127	0.000	-0.034	-0.032
452	43	0.000	0.383	-0.078	0.000	0.018	-0.032
	31	0.000	-0.383	-0.078	0.000	-0.021	-0.032
453	55	0.000	0.383	-0.042	0.000	0.009	-0.032
	43	0.000	-0.383	-0.042	0.000	-0.012	-0.032
454	67	0.000	0.383	-0.012	0.000	0.002	-0.032
	55	0.000	-0.383	-0.012	0.000	-0.004	-0.032
455	79	0.000	0.383	-0.025	0.000	0.008	-0.032
	67	0.000	-0.383	-0.025	0.000	-0.004	-0.032
456	91	0.000	0.383	-0.029	0.000	0.006	-0.032
	79	0.000	-0.383	-0.029	0.000	-0.009	-0.032
457	103	0.000	0.383	0.007	0.000	-0.003	-0.032
	91	0.000	-0.383	0.007	0.000	0.000	-0.032
458	115	0.000	0.383	0.011	0.000	-0.002	-0.032
	103	0.000	-0.383	0.011	0.000	0.004	-0.032
459	127	0.000	0.383	-0.013	0.000	0.004	-0.032
	115	0.000	-0.383	-0.013	0.000	-0.002	-0.032
460	139	0.000	0.383	-0.010	0.000	0.001	-0.032
	127	0.000	-0.383	-0.010	0.000	-0.004	-0.032
461	151	0.000	0.383	0.027	0.000	-0.008	-0.032
	139	0.000	-0.383	0.027	0.000	0.005	-0.032
462	163	0.000	0.383	0.024	0.000	-0.004	-0.032
	151	0.000	-0.383	0.024	0.000	0.008	-0.032
463	175	0.000	0.383	0.011	0.000	-0.004	-0.032
	163	0.000	-0.383	0.011	0.000	0.002	-0.032
464	187	0.000	0.383	0.042	0.000	-0.012	-0.032
	175	0.000	-0.383	0.042	0.000	0.009	-0.032
465	199	0.000	0.383	0.081	0.000	-0.022	-0.032
	187	0.000	-0.383	0.081	0.000	0.018	-0.032
466	211	0.000	0.383	0.118	0.000	-0.031	-0.032
	199	0.000	-0.383	0.118	0.000	0.028	-0.032
467	217	0.000	0.383	0.079	0.000	-0.013	-0.032
	205	0.000	-0.383	0.079	0.000	0.026	-0.032
468	11	0.000	0.383	-0.073	0.000	0.024	-0.032
	1	0.000	-0.383	-0.073	0.000	-0.012	-0.032
469	25	0.000	0.383	-0.117	0.000	0.027	-0.032
	11	0.000	-0.383	-0.117	0.000	-0.032	-0.032
470	37	0.000	0.383	-0.073	0.000	0.017	-0.032
	25	0.000	-0.383	-0.073	0.000	-0.020	-0.032
471	49	0.000	0.383	-0.043	0.000	0.010	-0.032
	37	0.000	-0.383	-0.043	0.000	-0.012	-0.032
472	284	0.014	0.000	0.000	0.000	0.000	0.000
	245	0.008	0.000	0.000	0.000	0.000	0.000
473	61	0.000	0.383	-0.014	0.000	0.002	-0.032
	49	0.000	-0.383	-0.014	0.000	-0.005	-0.032
474	285	0.013	0.002	-0.001	0.000	0.000	-0.001
	246	0.017	0.002	-0.001	0.000	0.000	0.000
475	73	0.000	0.383	-0.026	0.000	0.009	-0.032
	61	0.000	-0.383	-0.026	0.000	-0.004	-0.032
476	287	-0.127	-0.009	-0.019	0.000	0.003	0.001
	257	-0.125	-0.009	-0.019	0.000	0.000	0.000
477	85	0.000	0.383	-0.030	0.000	0.006	-0.032
	73	0.000	-0.383	-0.030	0.000	-0.009	-0.032
478	97	0.000	0.383	0.006	0.000	-0.003	-0.032
	85	0.000	-0.383	0.006	0.000	0.000	-0.032
479	288	0.043	-0.001	0.001	0.000	0.000	0.000
	260	0.046	-0.001	0.001	0.000	0.000	0.000
480	109	0.000	0.383	0.011	0.000	-0.002	-0.032
	97	0.000	-0.383	0.011	0.000	0.004	-0.032
481	289	0.117	0.010	0.014	0.000	-0.002	-0.001
	249	0.119	0.010	0.014	0.000	0.000	0.000
482	121	0.000	0.383	-0.012	0.000	0.004	-0.032
	109	0.000	-0.383	-0.012	0.000	-0.002	-0.032

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
483	133	0.000	0.383	-0.009	0.000	0.001	-0.032
	121	0.000	-0.383	-0.009	0.000	-0.003	-0.032
484	145	0.000	0.383	0.027	0.000	-0.008	-0.032
	133	0.000	-0.383	0.027	0.000	0.005	-0.032
485	157	0.000	0.383	0.023	0.000	-0.004	-0.032
	145	0.000	-0.383	0.023	0.000	0.008	-0.032
486	169	0.000	0.383	0.011	0.000	-0.004	-0.032
	157	0.000	-0.383	0.011	0.000	0.002	-0.032
487	181	0.000	0.383	0.041	0.000	-0.012	-0.032
	169	0.000	-0.383	0.041	0.000	0.009	-0.032
488	193	0.000	0.383	0.077	0.000	-0.021	-0.032
	181	0.000	-0.383	0.077	0.000	0.018	-0.032
489	290	-0.011	-0.002	0.001	0.000	0.000	0.001
	239	-0.007	-0.002	0.001	0.000	0.000	0.000
490	291	-0.080	0.007	0.005	0.000	-0.001	-0.001
	240	-0.078	0.007	0.005	0.000	0.000	0.000
491	292	0.021	0.002	-0.001	0.000	0.000	0.000
	243	0.024	0.002	-0.001	0.000	0.000	0.000
492	293	0.139	-0.006	-0.017	0.000	0.002	0.001
	244	0.141	-0.006	-0.017	0.000	0.000	0.000
493	205	0.000	0.383	0.126	0.000	-0.034	-0.032
	193	0.000	-0.383	0.126	0.000	0.029	-0.032
494	6	0.000	1.073	0.000	0.000	0.000	-0.250
	286	0.000	0.306	0.000	0.000	0.000	0.094
495	232	0.000	1.073	0.000	0.000	0.000	-0.250
	294	0.000	0.460	0.000	0.000	0.000	0.056
496	286	0.000	0.306	0.000	0.000	0.000	0.094
	295	0.000	-0.460	0.000	0.000	0.000	0.056
497	295	0.000	-0.460	0.000	0.000	0.000	0.056
	231	0.000	-1.073	0.000	0.000	0.000	-0.250
498	296	0.000	-0.306	0.000	0.000	0.000	0.094
	1	0.000	-1.073	0.000	0.000	0.000	-0.250
499	294	0.000	0.460	0.000	0.000	0.000	0.056
	296	0.000	-0.306	0.000	0.000	0.000	0.094
500	223	0.000	1.073	0.000	0.000	0.000	-0.250
	297	0.000	0.306	0.000	0.000	0.000	0.094
501	252	0.000	1.073	0.000	0.000	0.000	-0.250
	298	0.000	0.460	0.000	0.000	0.000	0.056
502	297	0.000	0.306	0.000	0.000	0.000	0.094
	299	0.000	-0.460	0.000	0.000	0.000	0.056
503	299	0.000	-0.460	0.000	0.000	0.000	0.056
	250	0.000	-1.073	0.000	0.000	0.000	-0.250
504	300	0.000	-0.306	0.000	0.000	0.000	0.094
	217	0.000	-1.073	0.000	0.000	0.000	-0.250
505	298	0.000	0.460	0.000	0.000	0.000	0.056
	300	0.000	-0.306	0.000	0.000	0.000	0.094
506	231	0.000	0.690	0.000	0.000	0.000	-0.103
	232	0.000	-0.690	0.000	0.000	0.000	-0.103
507	250	0.000	0.690	0.000	0.000	0.000	-0.103
	252	0.000	-0.690	0.000	0.000	0.000	-0.103
508	230	-6.333	0.097	0.021	0.008	-0.014	0.000
	1	-6.195	-0.097	0.021	0.008	0.022	0.000
509	1	-0.123	0.025	0.014	0.042	-0.060	0.000
	301	-0.151	-0.044	0.014	0.042	-0.052	-0.005
510	6	6.143	0.097	0.022	0.009	-0.024	0.000
	229	6.005	-0.097	0.022	0.009	0.015	0.000
511	217	-5.864	0.097	-0.022	-0.009	0.024	0.000
	248	-6.002	-0.097	-0.022	-0.009	-0.015	0.000
512	217	-0.028	0.026	-0.012	-0.045	0.063	0.000
	315	-0.055	-0.043	-0.012	-0.045	0.057	-0.005
513	223	6.260	0.097	-0.024	-0.009	0.025	0.000
	251	6.122	-0.097	-0.024	-0.009	-0.015	0.000
514	223	0.115	0.028	0.139	-0.051	0.000	0.000
	316	0.087	-0.041	0.139	-0.051	0.075	-0.004
515	6	0.238	0.028	0.012	0.045	-0.064	0.000
	302	0.210	-0.041	0.012	0.045	-0.057	-0.003
516	301	-0.228	-0.003	-0.001	-0.054	0.001	0.002
	14	-0.338	-0.003	-0.001	-0.054	0.000	0.000
517	301	-0.123	0.035	0.039	0.039	-0.054	-0.003
	303	-0.150	-0.034	0.039	0.039	-0.033	-0.003
518	302	0.576	-0.004	0.002	-0.058	-0.002	0.003
	20	0.466	-0.004	0.002	-0.058	0.000	0.000
519	302	0.243	0.042	0.045	0.042	-0.058	-0.005
	304	0.215	-0.027	0.045	0.042	-0.034	-0.001
520	303	0.276	0.004	0.000	-0.048	0.000	-0.002
	26	0.194	0.004	0.000	-0.048	0.000	0.000
521	303	-0.122	0.035	0.047	0.033	-0.029	-0.003
	305	-0.149	-0.034	0.047	0.033	-0.003	-0.003
522	304	0.581	0.004	0.005	-0.052	-0.003	-0.002
	32	0.498	0.004	0.005	-0.052	0.000	0.000
523	304	0.241	0.043	0.054	0.036	-0.030	-0.005
	306	0.213	-0.026	0.054	0.036	0.000	-0.001
524	305	0.471	0.031	-0.002	-0.028	0.001	-0.012
	38	0.416	0.031	-0.002	-0.028	0.000	0.000
525	305	-0.125	0.026	0.020	0.020	0.000	-0.001
	307	-0.152	-0.042	0.020	0.020	0.011	-0.005
526	306	0.664	0.036	0.011	-0.029	-0.004	-0.014
	44	0.609	0.036	0.011	-0.029	0.000	0.000
527	306	0.230	0.045	0.021	0.021	0.004	-0.005
	308	0.203	-0.024	0.021	0.021	0.015	0.000
528	307	0.148	0.042	-0.007	-0.003	0.001	-0.008
	50	0.120	0.042	-0.007	-0.003	0.000	0.000
529	307	-0.113	0.041	-0.012	0.000	0.007	-0.003
	62	-0.140	-0.028	-0.012	0.000	0.000	0.000
530	308	0.527	0.050	0.031	-0.001	-0.006	-0.010
	56	0.499	0.050	0.031	-0.001	0.000	0.000
531	308	0.196	0.044	-0.020	0.000	0.011	-0.005
	68	0.168	-0.025	-0.020	0.000	0.000	0.000
532	309	0.065	0.053	0.006	0.001	-0.001	-0.011
	170	0.038	0.053	0.006	0.001	0.000	0.000
533	309	-0.011	0.041	0.022	0.000	-0.012	-0.003
	158	-0.038	-0.028	0.022	0.000	0.000	0.000
534	310	0.515	0.056	-0.020	0.001	0.004	-0.011
	176	0.488	0.056	-0.020	0.001	0.000	0.000
535	310	0.082	0.043	0.024	0.000	-0.013	-0.004
	164	0.055	-0.026	0.024	0.000	0.000	0.000
536	311	0.165	0.035	0.004	0.028	-0.001	-0.014
	182	0.110	0.035	0.004	0.028	0.000	0.000
537	311	-0.022	0.030	-0.021	-0.021	-0.004	-0.002
	309	-0.049	-0.039	-0.021	-0.021	-0.016	-0.004
538	312	0.675	0.037	-0.006	0.029	0.002	-0.015
	188	0.620	0.037	-0.006	0.029	0.000	0.000
539	312	0.103	0.040	-0.023	-0.021	-0.005	-0.004
	310	0.076	-0.029	-0.023	-0.021	-0.017	-0.001
540	313	0.237	0.004	0.002	0.052	-0.001	-0.002
	194	0.154	0.004	0.002	0.052	0.000	0.000
541	313	-0.025	0.032	-0.054	-0.036	0.029	-0.002
	311	-0.052	-0.037	-0.054	-0.036	0.000	-0.004
542	314	0.800	-0.001	-0.003	0.055	0.002	0.001
	200	0.718	-0.001	-0.003	0.055	0.000	0.000
543	314	0.109	0.038	-0.059	-0.037	0.032	-0.004
	312	0.082	-0.031	-0.059	-0.037	0.000	-0.002
544	315	0.120	-0.004	0.001	0.058	-0.001	0.003
	206	0.009	-0.004	0.001	0.058	0.000	0.000
545	315	-0.025	0.034	-0.044	-0.042	0.058	-0.003
	313	-0.053	-0.034	-0.044	-0.042	0.034	-0.003
546	316	1.131	-0.021	-0.001	0.063	0.001	0.017
	212	1.020	-0.021	-0.001	0.063	0.000	0.000
547	316	0.112	0.037	-0.042	-0.040	0.060	-0.004
	314	0.084	-0.032	-0.042	-0.040	0.038	-0.002
565	227	-0.079	0.031	-0.184	0.000	0.033	0.001
	215	-0.079	0.024	-0.184	0.000	-0.059	0.015
566	23	0.016	-0.091	0.238	0.000	-0.064	0.017
	9	0.016	-0.097	0.238	0.000	0.055	-0.030
567	35	-0.037	-0.068	0.178	0.000	-0.049	0.016
	23	-0.037	-0.075	0.178	0.000	0.040	-0.020
568	47	-0.078	-0.045	0.094	0.000	-0.027	0.015
	35	-0.078	-0.052	0.094	0.000	0.020	-0.009
569	59	-0.116	-0.015	0.111	0.000	-0.028	0.006
	47	-0.116	-0.022	0.111	0.000	0.027	-0.003
570	71	-0.155	-0.018	0.062	0.000	-0.018	0.003
	59	-0.155	-0.024	0.062	0.000	0.013	-0.007
571	83	-0.192	-0.009	0.039	0.000	-0.012	0.001
	71	-0.192	-0.016	0.039	0.000	0.008	-0.005
572	95	-0.223	-0.005	0.002	0.000	-0.003	0.001
	83	-0.223	-0.011	0.002	0.000	-0.002	-0.003
573	107	-0.248	0.007	-0.015	0.000	0.003	-0.001
	95	-0.248	0.000	-0.015	0.000	-0.005	0.001
574	119	-0.268	0.011	-0.024	0.000	0.006	-0.002
	107	-0.268	0.004	-0.024	0.000	-0.007	0.001
575	131	-0.286	0.008	-0.026	0.000	0.006	-0.002
	119	-0.286	0.002	-0.026	0.000	-0.007	0.001
576	143	-0.301	0.010	-0.031	0.000	0.007	-0.002
	131	-0.301	0.003	-0.031	0.000	-0.009	0.002
577	155	-0.312	0.015	-0.040	0.000	0.009	-0.003
	143	-0.312	0.009	-0.040	0.000	-0.011	0.003
578	167	-0.319	0.019	-0.049	0.000	0.011	-0.005
	155	-0.319	0.012	-0.049	0.000	-0.014	0.003
579	179	-0.318	0.019	-0.061	0.000	0.013	-0.005
	167	-0.318	0.012	-0.061	0.000	-0.018	0.003
580	191	-0.303	0.026	-0.086	0.000	0.017	-0.006
	179	-0.303	0.019	-0.086	0.000	-0.026	0.005
581	203	-0.265	0.031	-0.119	0.000	0.022	-0.007
	191	-0.265	0.025	-0.119	0.000	-0.037	0.007
582	215	-0.192	0.053	-0.197	0.000	0.042	-0.011
	203	-0.192	0.046	-0.197	0.000	-0.056	0.014

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
600	221	0.023	-0.023	-0.224	0.000	0.047	0.015
	209	0.023	-0.030	-0.224	0.000	-0.065	0.001
601	17	0.030	-0.040	0.113	0.000	-0.037	0.013
	5	0.030	-0.046	0.113	0.000	0.019	-0.008
602	29	0.070	0.037	0.062	0.000	-0.029	0.003
	17	0.070	0.030	0.062	0.000	0.002	0.019
603	41	0.131	-0.012	-0.040	0.000	0.008	0.017
	29	0.131	-0.019	-0.040	0.000	-0.012	0.009
604	53	1.200	-0.006	-0.007	0.000	-0.006	0.005
	41	1.200	-0.013	-0.007	0.000	-0.009	0.000
605	65	1.240	0.003	0.019	0.000	-0.011	0.005
	53	1.240	-0.003	0.019	0.000	-0.002	0.005
606	77	1.205	0.026	0.004	0.000	-0.008	-0.001
	65	1.205	0.020	0.004	0.000	-0.006	0.011
607	89	1.125	0.018	-0.018	0.000	0.000	0.000
	77	1.125	0.011	-0.018	0.000	-0.009	0.007
608	101	1.033	0.017	-0.029	0.000	0.004	-0.001
	89	1.033	0.010	-0.029	0.000	-0.010	0.006
609	113	0.936	0.015	-0.030	0.000	0.005	-0.001
	101	0.936	0.009	-0.030	0.000	-0.010	0.005
610	125	0.838	0.017	-0.032	0.000	0.007	-0.002
	113	0.838	0.010	-0.032	0.000	-0.010	0.005
611	137	0.738	0.014	-0.035	0.000	0.007	-0.002
	125	0.738	0.007	-0.035	0.000	-0.010	0.004
612	149	0.639	0.008	-0.038	0.000	0.007	0.001
	137	0.639	0.001	-0.038	0.000	-0.012	0.003
613	161	0.538	0.004	-0.044	0.000	0.007	0.004
	149	0.538	-0.003	-0.044	0.000	-0.015	0.004
614	173	0.437	0.001	-0.055	0.000	0.007	0.008
	161	0.437	-0.006	-0.055	0.000	-0.021	0.006
615	185	0.333	-0.008	-0.074	0.000	0.008	0.013
	173	0.333	-0.014	-0.074	0.000	-0.029	0.008
616	197	0.228	-0.015	-0.108	0.000	0.012	0.018
	185	0.228	-0.021	-0.108	0.000	-0.042	0.009
617	209	0.124	-0.027	-0.176	0.000	0.029	0.022
	197	0.124	-0.034	-0.176	0.000	-0.059	0.007

Load case 5 (Linear): SW+Seism on Z direction

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
1	1	-12.522	-0.196	-1.998	0.089	1.295	-0.141
	12	-13.074	-0.196	-1.998	0.089	-0.703	-0.336
2	2	-7.296	0.039	-0.053	0.000	0.036	-0.021
	4	-7.300	0.033	-0.053	0.000	0.003	0.000
3	4	-7.320	0.012	-0.054	0.000	0.003	0.004
	5	-7.324	0.006	-0.054	0.000	-0.030	0.009
4	5	-7.373	-0.046	0.040	-0.001	-0.024	0.022
	234	-7.376	-0.051	0.040	-0.001	-0.005	-0.001
5	6	-1.248	0.207	-1.647	0.073	0.977	-0.065
	13	-1.799	0.207	-1.647	0.073	-0.670	0.142
6	7	0.181	-0.055	0.113	0.000	-0.070	0.034
	8	0.177	-0.060	0.113	0.000	-0.001	-0.001
7	8	0.208	-0.022	0.112	0.000	-0.002	-0.004
	9	0.204	-0.027	0.112	0.000	0.066	-0.019
8	9	0.533	0.040	0.038	0.000	-0.015	-0.015
	233	0.530	0.036	0.038	0.000	0.003	0.003
9	13	-1.014	-0.030	0.022	0.000	0.000	0.000
	7	-1.019	-0.030	0.022	0.000	0.011	-0.015
10	219	-0.484	-0.024	0.024	0.000	-0.009	0.010
	260	-0.479	-0.029	0.024	0.000	0.008	-0.009
11	225	-0.574	0.027	-0.028	0.000	0.013	-0.012
	246	-0.568	0.022	-0.028	0.000	-0.007	0.005
12	10	0.188	0.000	-0.001	0.000	0.000	0.008
	235	0.188	-0.005	-0.001	0.000	0.000	0.006
13	7	-0.141	0.037	-0.027	0.000	0.013	-0.016
	239	-0.136	0.031	-0.027	0.000	-0.007	0.008
14	12	-17.017	-0.003	0.009	0.000	0.000	0.000
	2	-17.023	-0.003	0.009	0.000	0.005	-0.001
15	2	8.683	-0.010	0.041	0.000	-0.019	0.008
	243	8.689	-0.015	0.041	0.000	0.010	-0.001
16	11	5.953	-0.015	-0.505	0.014	0.000	0.000
	301	5.926	-0.015	-0.505	0.014	-0.101	-0.003
17	15	0.034	0.019	-0.038	0.000	0.030	-0.011
	16	0.031	0.013	-0.038	0.000	0.007	-0.001
18	16	-0.043	0.006	-0.086	0.000	0.008	0.002
	17	-0.047	0.001	-0.086	0.000	-0.044	0.005
19	17	-0.310	0.005	0.001	0.000	0.004	-0.005
	263	-0.311	0.002	0.001	0.000	0.004	-0.004
20	19	2.342	0.000	-0.354	0.005	0.000	0.000
	302	2.315	0.000	-0.354	0.005	-0.071	0.000
21	21	-0.100	-0.040	0.109	-0.001	-0.071	0.026
	22	-0.104	-0.046	0.109	-0.001	-0.006	0.001
22	22	0.067	-0.009	0.152	0.001	-0.011	-0.007
	23	0.063	-0.014	0.152	0.001	0.081	-0.014
23	23	-0.145	-0.030	0.069	0.000	-0.033	0.015
	262	-0.146	-0.032	0.069	0.000	-0.014	0.007
24	20	-0.049	-0.052	0.024	0.000	0.000	0.000
	21	-0.054	-0.052	0.024	0.000	0.012	-0.026
25	17	0.288	0.009	0.014	-0.001	-0.029	0.010
	24	0.288	-0.002	0.014	-0.001	-0.017	0.013
26	14	-0.059	0.031	-0.047	0.000	0.047	-0.024
	16	-0.070	0.025	-0.047	0.000	0.001	0.004
27	24	0.245	-0.042	0.070	0.000	-0.018	0.011
	23	0.245	-0.054	0.070	0.000	0.042	-0.030
28	18	0.033	-0.043	0.056	0.000	-0.032	0.023
	24	0.040	-0.043	0.056	0.000	0.001	-0.002
29	14	0.037	-0.022	0.004	0.000	0.000	0.000
	15	0.031	-0.022	0.004	0.000	0.002	-0.011
30	20	0.181	-0.032	0.043	-0.001	-0.048	0.027
	22	0.170	-0.039	0.043	-0.001	-0.006	-0.008
31	25	2.352	-0.007	-0.191	0.022	0.000	0.000
	303	2.297	-0.007	-0.191	0.022	-0.077	-0.003
32	27	0.077	0.016	-0.032	0.000	0.028	-0.010
	28	0.073	0.010	-0.032	0.000	0.009	-0.002
33	28	0.072	-0.003	-0.066	0.000	0.010	-0.007
	264	0.071	-0.004	-0.066	0.000	0.001	-0.008
34	29	0.031	0.021	-0.067	0.000	0.013	-0.012
	269	0.030	0.019	-0.067	0.000	-0.006	-0.007
35	31	0.977	-0.001	-0.132	0.005	0.000	0.000
	304	0.922	-0.001	-0.132	0.005	-0.053	0.000
36	33	-0.120	-0.049	0.118	-0.001	-0.076	0.029
	34	-0.123	-0.054	0.118	-0.001	-0.005	-0.002
37	34	0.016	0.007	0.145	0.001	-0.012	-0.003
	261	0.015	0.005	0.145	0.001	0.008	-0.002
38	35	0.043	-0.051	0.092	0.000	-0.046	0.028
	30	0.037	-0.060	0.092	0.000	0.048	-0.029
39	32	-0.088	-0.058	0.028	0.000	0.000	0.000
	33	-0.094	-0.058	0.028	0.000	0.014	-0.029
40	29	0.006	0.024	0.003	-0.001	-0.025	0.002
	36	0.006	0.013	0.003	-0.001	-0.023	0.017
41	26	0.005	-0.005	-0.034	0.000	0.035	0.003
	28	-0.007	-0.012	-0.034	0.000	0.001	-0.005
42	36	-0.064	-0.042	0.093	0.000	-0.024	0.012
	35	-0.064	-0.053	0.093	0.000	0.055	-0.028
43	30	0.047	-0.070	0.090	0.000	-0.051	0.035
	36	0.055	-0.070	0.090	0.000	0.001	-0.005
44	26	0.103	-0.019	-0.003	0.000	0.000	0.000
	27	0.098	-0.019	-0.003	0.000	-0.001	-0.010
45	32	0.163	0.003	0.028	-0.001	-0.034	0.000
	34	0.152	-0.004	0.028	-0.001	-0.007	-0.001
46	37	0.266	-0.007	-0.083	0.025	0.000	0.000
	305	0.183	-0.007	-0.083	0.025	-0.050	-0.004
47	39	0.015	0.020	-0.028	0.000	0.024	-0.009
	40	0.011	0.014	-0.028	0.000	0.007	0.002
48	40	0.040	-0.027	-0.050	0.000	0.009	-0.012
	270	0.037	-0.032	-0.050	0.000	-0.017	-0.027
49	41	-0.010	0.032	-0.017	0.000	0.014	-0.022
	42	-0.016	0.023	-0.017	0.000	-0.004	0.006
50	43	0.417	-0.001	-0.059	0.005	0.000	0.000
	306	0.334	-0.001	-0.059	0.005	-0.035	-0.001
51	45	-0.081	-0.057	0.126	-0.001	-0.082	0.032
	46	-0.085	-0.062	0.126	-0.001	-0.005	-0.004
52	46	-0.015	0.019	0.133	0.002	-0.014	0.006
	47	-0.019	0.014	0.133	0.002	0.067	0.016
53	47	-0.021	-0.069	0.111	0.000	-0.057	0.040
	42	-0.028	-0.078	0.111	0.000	0.057	-0.036
54	44	-0.094	-0.063	0.031	0.000	0.000	0.000
	45	-0.100	-0.063	0.031	0.000	0.015	-0.032
55	41	0.100	0.044	0.010	-0.001	-0.032	-0.010
	48	0.100	0.032	0.010	-0.001	-0.023	0.022
56	38	0.020	-0.043	-0.022	0.001	0.022	0.032
	40	0.009	-0.050	-0.022	0.001	0.001	-0.014
57	48	0.005	-0.034	0.104	0.000	-0.024	0.010
	47	0.005	-0.045	0.104	0.000	0.065	-0.024
58	42	0.058	-0.095	0.094	0.001	-0.053	0.042
	48	0.066	-0.095	0.094	0.001	0.001	-0.012
59	38	0.015	-0.017	-0.008	0.000	0.000	0.000
	39	0.009	-0.017	-0.008	0.000	-0.004	-0.008
60	44	0.109	0.051	0.007	-0.001	-0.016	-0.036
	46	0.098	0.044	0.007	-0.001	-0.009	0.010
61	49	-0.315	-0.015	-0.022	0.024	0.000	0.000
	307	-0.425	-0.015	-0.022	0.024	-0.018	-0.012
62	51	0.093	0.026	-0.056	0.000	0.026	-0.008
	52	0.090	0.020	-0.056	0.000	-0.008	0.006
63	52	0.255	-0.045	-0.071	0.002	-0.011	-0.033
	271	0.254	-0.046	-0.071	0.002	-0.021	-0.039
64	53	0.075	0.031	0.003	0.000	0.008	-0.026
	54	0.069	0.022	0.003	0.000	0.011	0.001

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
65	55	0.009	-0.003	-0.018	0.004	0.000	0.000
	308	-0.102	-0.003	-0.018	0.004	-0.014	-0.002
66	57	-0.141	-0.073	0.134	-0.001	-0.086	0.035
	58	-0.145	-0.078	0.134	-0.001	-0.005	-0.010
67	58	-0.092	0.060	0.113	0.002	-0.015	0.011
	59	-0.096	0.055	0.113	0.002	0.053	0.046
68	59	0.067	-0.095	0.137	0.000	-0.073	0.057
	54	0.061	-0.105	0.137	0.000	0.067	-0.045
69	56	-0.118	-0.070	0.034	0.000	0.000	0.000
	57	-0.124	-0.070	0.034	0.000	0.017	-0.035
70	53	-0.089	0.057	0.030	-0.001	-0.044	-0.020
	60	-0.089	0.046	0.030	-0.001	-0.018	0.024
71	50	0.134	-0.123	-0.015	0.001	0.010	0.085
	52	0.123	-0.129	-0.015	0.001	-0.004	-0.038
72	60	-0.207	-0.010	0.110	0.000	-0.019	0.002
	59	-0.207	-0.022	0.110	0.000	0.074	-0.011
73	54	0.049	-0.118	0.080	0.001	-0.045	0.046
	60	0.056	-0.118	0.080	0.001	0.001	-0.022
74	50	0.159	-0.015	-0.006	0.000	0.000	0.000
	51	0.154	-0.015	-0.006	0.000	-0.003	-0.008
75	56	0.118	0.110	-0.021	-0.001	0.010	-0.083
	58	0.106	0.103	-0.021	-0.001	-0.011	0.021
76	61	6.749	-3.115	-2.563	0.288	1.421	3.131
	62	6.197	-3.115	-2.563	0.288	-1.143	0.016
77	63	-0.925	-0.090	0.063	0.001	-0.009	0.015
	272	-0.927	-0.093	0.063	0.001	0.014	-0.019
78	64	0.600	0.303	0.022	-0.001	0.026	-0.165
	65	0.596	0.298	0.022	-0.001	0.039	0.016
79	65	0.452	-0.023	0.071	0.000	-0.029	0.005
	66	0.446	-0.032	0.071	0.000	0.044	-0.023
80	67	4.207	-0.335	-1.918	0.049	1.040	0.637
	68	3.656	-0.335	-1.918	0.049	-0.877	0.301
81	69	0.015	-0.097	0.138	-0.002	-0.087	0.039
	70	0.011	-0.102	0.138	-0.002	-0.004	-0.021
82	70	0.112	0.133	0.082	0.002	-0.016	0.010
	71	0.108	0.128	0.082	0.002	0.033	0.088
83	71	0.268	-0.122	0.157	0.000	-0.086	0.075
	66	0.261	-0.131	0.157	0.000	0.075	-0.054
84	68	-0.144	-0.077	0.037	0.000	0.000	0.000
	69	-0.150	-0.077	0.037	0.000	0.019	-0.039
85	65	-0.114	0.001	0.064	0.000	-0.063	0.012
	72	-0.114	-0.011	0.064	0.000	-0.008	0.008
86	62	1.751	-0.337	0.045	0.001	-0.039	0.212
	64	1.740	-0.343	0.045	0.001	0.004	-0.120
87	72	-0.207	0.038	0.094	0.000	-0.009	-0.015
	71	-0.207	0.027	0.094	0.000	0.070	0.013
88	66	-0.056	-0.093	0.029	0.001	-0.017	0.031
	72	-0.049	-0.093	0.029	0.001	0.000	-0.023
89	62	-1.081	0.030	-0.053	0.000	0.000	0.000
	63	-1.087	0.030	-0.053	0.000	-0.026	0.015
90	68	0.203	0.177	-0.056	-0.001	0.042	-0.138
	70	0.192	0.170	-0.056	-0.001	-0.013	0.031
91	73	4.744	0.000	0.000	0.007	0.000	0.000
	74	4.606	0.000	0.000	0.007	0.000	0.000
92	75	-6.088	-0.147	-0.130	0.002	0.096	-0.006
	76	-6.092	-0.153	-0.130	0.002	0.017	-0.097
93	76	-2.635	0.784	-0.042	-0.003	0.033	-0.337
	77	-2.639	0.779	-0.042	-0.003	0.008	0.134
94	77	-0.389	-0.049	-0.025	0.000	0.006	0.041
	78	-0.395	-0.058	-0.025	0.000	-0.019	-0.014
95	79	1.625	0.000	0.000	0.002	0.000	0.000
	80	1.487	0.000	0.000	0.002	0.000	0.000
96	81	-0.591	-0.094	0.084	-0.001	-0.056	0.029
	82	-0.594	-0.099	0.084	-0.001	-0.005	-0.029
97	82	-0.480	0.200	0.011	0.001	-0.014	0.011
	83	-0.483	0.194	0.011	0.001	-0.007	0.130
98	83	0.375	-0.093	0.102	0.000	-0.059	0.061
	78	0.369	-0.102	0.102	0.000	0.045	-0.039
99	80	-0.187	-0.061	0.028	0.000	0.000	0.000
	81	-0.192	-0.061	0.028	0.000	0.014	-0.030
100	77	-1.553	-0.131	-0.037	0.000	0.001	0.092
	84	-1.553	-0.142	-0.037	0.000	-0.031	-0.024
101	74	3.539	-0.613	0.089	0.002	-0.070	0.361
	76	3.527	-0.619	0.089	0.002	0.016	-0.240
102	84	-1.587	0.109	0.027	0.000	-0.031	-0.019
	83	-1.587	0.098	0.027	0.000	-0.008	0.069
103	78	-0.259	-0.034	0.064	0.000	-0.036	0.025
	84	-0.251	-0.034	0.064	0.000	0.000	0.005
104	74	1.699	-0.049	0.040	0.000	0.000	0.000
	75	1.694	-0.049	0.040	0.000	0.020	-0.024
105	80	0.242	0.229	-0.073	-0.001	0.062	-0.180
	82	0.231	0.222	-0.073	-0.001	-0.009	0.040
106	85	1.286	0.000	0.000	-0.013	0.000	0.000
	86	1.148	0.000	0.000	-0.013	0.000	0.000
107	87	-0.993	0.007	-0.196	0.003	0.138	-0.044
	88	-0.996	0.002	-0.196	0.003	0.020	-0.041
108	88	0.375	0.271	-0.127	-0.003	0.036	-0.156
	89	0.371	0.266	-0.127	-0.003	-0.041	0.006
109	89	0.333	0.044	-0.157	0.000	0.070	-0.006
	90	0.326	0.034	-0.157	0.000	-0.091	0.034
110	91	0.443	0.000	0.000	-0.001	0.000	0.000
	92	0.305	0.000	0.000	-0.001	0.000	0.000
111	93	0.083	-0.052	0.032	-0.001	-0.029	0.017
	94	0.079	-0.057	0.032	-0.001	-0.010	-0.016
112	94	0.074	0.145	-0.009	0.000	-0.014	0.023
	95	0.070	0.139	-0.009	0.000	-0.020	0.109
113	95	0.209	-0.030	0.023	0.000	-0.017	0.024
	90	0.203	-0.039	0.023	0.000	0.007	-0.011
114	92	-0.069	-0.034	0.014	0.000	0.000	0.000
	93	-0.075	-0.034	0.014	0.000	0.007	-0.017
115	89	-0.040	-0.012	-0.175	0.000	0.100	0.011
	96	-0.040	-0.023	-0.175	0.000	-0.048	-0.003
116	86	1.367	-0.332	0.069	0.002	-0.050	0.212
	88	1.356	-0.338	0.069	0.002	0.017	-0.115
117	96	-0.107	0.102	-0.041	0.001	-0.047	0.003
	95	-0.107	0.091	-0.041	0.001	-0.082	0.085
118	90	-0.133	-0.067	0.133	-0.001	-0.076	0.045
	96	-0.125	-0.067	0.133	-0.001	0.001	0.006
119	86	-0.962	-0.087	0.053	0.000	0.000	0.000
	87	-0.967	-0.087	0.053	0.000	0.026	-0.043
120	92	0.092	0.192	-0.042	-0.001	0.036	-0.144
	94	0.081	0.185	-0.042	-0.001	-0.005	0.040
121	97	-1.006	0.000	0.000	-0.024	0.000	0.000
	98	-1.144	0.000	0.000	-0.024	0.000	0.000
122	99	0.076	0.040	-0.103	0.001	0.076	-0.028
	100	0.072	0.035	-0.103	0.001	0.014	-0.005
123	100	0.263	-0.020	-0.085	-0.002	0.023	-0.041
	101	0.259	-0.026	-0.085	-0.002	-0.028	-0.055
124	101	0.094	0.055	-0.115	0.000	0.054	-0.021
	102	0.088	0.045	-0.115	0.000	-0.064	0.030
125	103	-0.663	0.000	0.000	-0.004	0.000	0.000
	104	-0.801	0.000	0.000	-0.004	0.000	0.000
126	105	-0.031	-0.030	0.043	-0.001	-0.036	0.016
	106	-0.035	-0.035	0.043	-0.001	-0.010	-0.004
127	106	-0.142	0.055	0.031	0.000	-0.015	0.029
	107	-0.146	0.050	0.031	0.000	0.004	0.061
128	107	0.039	-0.010	0.014	0.000	-0.009	0.010
	102	0.033	-0.020	0.014	0.000	0.005	-0.006
129	104	-0.042	-0.031	0.013	0.000	0.000	0.000
	105	-0.048	-0.031	0.013	0.000	0.007	-0.016
130	101	-0.010	0.054	-0.149	0.000	0.095	-0.034
	108	-0.010	0.043	-0.149	0.000	-0.031	0.008
131	98	0.160	-0.124	0.018	0.001	-0.008	0.088
	100	0.149	-0.131	0.018	0.001	0.010	-0.036
132	108	-0.071	0.056	-0.043	0.001	-0.031	0.009
	107	-0.071	0.044	-0.043	0.001	-0.067	0.051
133	102	-0.021	-0.061	0.106	-0.001	-0.060	0.036
	108	-0.013	-0.061	0.106	-0.001	0.001	0.001
134	98	0.144	-0.055	0.020	0.000	0.000	0.000
	99	0.138	-0.055	0.020	0.000	0.010	-0.027
135	104	-0.047	0.134	-0.012	-0.001	0.008	-0.094
	106	-0.058	0.127	-0.012	-0.001	-0.004	0.033
136	109	0.954	-1.763	-2.699	-0.317	1.471	1.978
	110	0.403	-1.763	-2.699	-0.317	-1.228	0.214
137	111	0.088	0.033	-0.074	0.001	0.056	-0.021
	112	0.084	0.027	-0.074	0.001	0.012	-0.003
138	112	0.117	-0.029	-0.080	-0.001	0.018	-0.021
	113	0.113	-0.035	-0.080	-0.001	-0.030	-0.040
139	113	-0.002	0.040	-0.079	0.000	0.037	-0.015
	114	-0.009	0.031	-0.079	0.000	-0.044	0.021
140	115	0.842	-0.423	-1.955	-0.068	1.065	0.597
	116	0.290	-0.423	-1.955	-0.068	-0.890	0.173
141	117	-0.039	-0.026	0.058	-0.001	-0.044	0.017
	118	-0.043	-0.031	0.058	-0.001	-0.009	0.000
142	118	-0.115	0.017	0.066	0.000	-0.013	0.022
	119	-0.119	0.012	0.066	0.000	0.026	0.031
143	119	-0.020	-0.009	0.022	0.000	-0.011	0.007
	114	-0.027	-0.018	0.022	0.000	0.011	-0.007
144	116	-0.040	-0.034	0.015	0.000	0.000	0.000
	117	-0.045	-0.034	0.015	0.000	0.007	-0.017
145	113	0.049	0.044	-0.104	0.000	0.064	-0.024
	120	0.049	0.033	-0.104	0.000	-0.025	0.009
146	110	0.017	-0.059	-0.007	0.001	0.013	0.042
	112	0.006	-0.065	-0.007	0.001	0.007	-0.018
147	120	0.002	0.022	-0.016	0.001	-0.025	0.011
	119	0.002	0.010	-0.016	0.001	-0.038	0.024

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
148	114	0.004	-0.046	0.088	0.000	-0.050	0.029
	120	0.011	-0.046	0.088	0.000	0.001	0.002
149	110	0.109	-0.041	0.012	0.000	0.000	0.000
	111	0.103	-0.041	0.012	0.000	0.006	-0.021
150	116	-0.033	0.081	0.008	-0.001	-0.012	-0.054
	118	-0.045	0.074	0.008	-0.001	-0.004	0.022
151	121	1.810	0.000	0.000	-0.015	0.000	0.000
	122	1.672	0.000	0.000	-0.015	0.000	0.000
152	123	0.064	0.024	-0.066	0.001	0.051	-0.018
	124	0.060	0.019	-0.066	0.001	0.011	-0.005
153	124	0.104	-0.001	-0.088	-0.001	0.016	-0.018
	125	0.100	-0.007	-0.088	-0.001	-0.037	-0.021
154	125	-0.002	0.031	-0.065	0.000	0.030	-0.011
	126	-0.009	0.022	-0.065	0.000	-0.036	0.017
155	127	1.357	0.000	0.000	-0.005	0.000	0.000
	128	1.219	0.000	0.000	-0.005	0.000	0.000
156	129	-0.052	-0.028	0.068	-0.001	-0.049	0.019
	130	-0.056	-0.033	0.068	-0.001	-0.008	0.001
157	130	-0.046	0.009	0.090	0.000	-0.013	0.012
	131	-0.050	0.003	0.090	0.000	0.042	0.016
158	131	-0.009	-0.014	0.035	0.000	-0.017	0.008
	126	-0.015	-0.024	0.035	0.000	0.019	-0.011
159	128	-0.046	-0.038	0.017	0.000	0.000	0.000
	129	-0.051	-0.038	0.017	0.000	0.008	-0.019
160	125	0.069	0.028	-0.078	0.000	0.041	-0.010
	132	0.069	0.016	-0.078	0.000	-0.026	0.009
161	122	0.042	-0.030	-0.022	0.001	0.027	0.020
	124	0.031	-0.037	-0.022	0.001	0.005	-0.013
162	132	0.027	0.000	0.011	0.001	-0.025	0.012
	131	0.027	-0.011	0.011	0.001	-0.016	0.008
163	126	0.008	-0.043	0.089	0.000	-0.051	0.028
	132	0.016	-0.043	0.089	0.000	0.001	0.003
164	122	0.074	-0.036	0.009	0.000	0.000	0.000
	123	0.068	-0.036	0.009	0.000	0.005	-0.018
165	128	0.038	0.041	0.022	-0.001	-0.026	-0.025
	130	0.027	0.034	0.022	-0.001	-0.004	0.012
166	133	0.564	0.000	0.000	-0.011	0.000	0.000
	134	0.426	0.000	0.000	-0.011	0.000	0.000
167	135	0.052	0.021	-0.063	0.001	0.049	-0.017
	136	0.048	0.015	-0.063	0.001	0.011	-0.006
168	136	0.090	0.011	-0.093	-0.001	0.015	-0.016
	137	0.086	0.006	-0.093	-0.001	-0.041	-0.011
169	137	0.001	0.027	-0.058	0.000	0.027	-0.009
	138	-0.005	0.018	-0.058	0.000	-0.033	0.014
170	139	0.491	0.000	0.000	-0.005	0.000	0.000
	140	0.353	0.000	0.000	-0.005	0.000	0.000
171	141	-0.064	-0.031	0.076	-0.001	-0.053	0.020
	142	-0.068	-0.036	0.076	-0.001	-0.007	0.000
172	142	0.005	0.009	0.105	0.001	-0.012	0.005
	143	0.002	0.003	0.105	0.001	0.052	0.008
173	143	0.007	-0.020	0.047	0.000	-0.023	0.011
	138	0.000	-0.029	0.047	0.000	0.025	-0.015
174	140	-0.051	-0.041	0.018	0.000	0.000	0.000
	141	-0.057	-0.041	0.018	0.000	0.009	-0.020
175	137	0.067	0.019	-0.063	0.000	0.027	-0.002
	144	0.067	0.008	-0.063	0.000	-0.027	0.010
176	134	0.047	-0.015	-0.029	0.001	0.033	0.008
	136	0.036	-0.021	-0.029	0.001	0.004	-0.010
177	144	0.024	-0.013	0.030	0.000	-0.026	0.013
	143	0.024	-0.024	0.030	0.000	-0.001	-0.002
178	138	0.013	-0.044	0.093	0.000	-0.053	0.029
	144	0.021	-0.044	0.093	0.000	0.001	0.004
179	134	0.061	-0.034	0.009	0.000	0.000	0.000
	135	0.056	-0.034	0.009	0.000	0.004	-0.017
180	140	0.096	0.016	0.029	-0.001	-0.033	-0.008
	142	0.085	0.010	0.029	-0.001	-0.004	0.005
181	145	-1.174	0.000	0.000	-0.008	0.000	0.000
	146	-1.312	0.000	0.000	-0.008	0.000	0.000
182	147	0.053	0.021	-0.061	0.001	0.047	-0.017
	148	0.049	0.015	-0.061	0.001	0.010	-0.006
183	148	0.078	0.014	-0.094	-0.001	0.014	-0.013
	149	0.074	0.009	-0.094	-0.001	-0.043	-0.006
184	149	0.001	0.025	-0.054	0.000	0.025	-0.008
	150	-0.005	0.016	-0.054	0.000	-0.030	0.013
185	151	-0.752	0.000	0.000	-0.005	0.000	0.000
	152	-0.890	0.000	0.000	-0.005	0.000	0.000
186	153	-0.072	-0.033	0.081	-0.001	-0.056	0.021
	154	-0.075	-0.038	0.081	-0.001	-0.007	0.000
187	154	0.034	0.009	0.114	0.001	-0.011	0.001
	155	0.030	0.004	0.114	0.001	0.057	0.005
188	155	0.015	-0.024	0.054	0.000	-0.026	0.012
	150	0.009	-0.033	0.054	0.000	0.029	-0.017
189	152	-0.055	-0.042	0.019	0.000	0.000	0.000
	153	-0.061	-0.042	0.019	0.000	0.010	-0.021
190	149	0.063	0.016	-0.056	0.000	0.020	0.002
	156	0.063	0.005	-0.056	0.000	-0.027	0.010
191	146	0.037	-0.006	-0.033	0.001	0.036	0.002
	148	0.026	-0.013	-0.033	0.001	0.004	-0.008
192	156	0.018	-0.020	0.041	0.000	-0.027	0.014
	155	0.018	-0.031	0.041	0.000	0.007	-0.008
193	150	0.017	-0.045	0.096	0.000	-0.054	0.030
	156	0.025	-0.045	0.096	0.000	0.001	0.004
194	146	0.062	-0.033	0.009	0.000	0.000	0.000
	147	0.057	-0.033	0.009	0.000	0.005	-0.016
195	152	0.130	0.003	0.033	-0.001	-0.036	0.001
	154	0.119	-0.003	0.033	-0.001	-0.004	0.001
196	157	-3.183	-0.240	-2.652	-0.069	1.442	0.428
	158	-3.735	-0.240	-2.652	-0.069	-1.209	0.187
197	159	0.055	0.022	-0.061	0.001	0.046	-0.017
	278	0.053	0.018	-0.061	0.001	0.024	-0.009
198	160	0.068	0.014	-0.094	-0.001	0.013	-0.012
	161	0.065	0.009	-0.094	-0.001	-0.043	-0.005
199	161	0.000	0.024	-0.051	0.000	0.024	-0.008
	162	-0.007	0.015	-0.051	0.000	-0.029	0.013
200	163	-2.020	0.080	-1.906	-0.058	1.037	0.005
	164	-2.571	0.080	-1.906	-0.058	-0.869	0.085
201	165	-0.075	-0.034	0.084	-0.001	-0.057	0.022
	283	-0.078	-0.038	0.084	-0.001	-0.026	0.008
202	166	0.048	0.009	0.117	0.001	-0.011	-0.001
	167	0.045	0.004	0.117	0.001	0.060	0.003
203	167	0.018	-0.026	0.058	0.000	-0.028	0.013
	162	0.012	-0.035	0.058	0.000	0.031	-0.018
204	164	-0.058	-0.044	0.020	0.000	0.000	0.000
	165	-0.063	-0.044	0.020	0.000	0.010	-0.022
205	161	0.060	0.015	-0.052	0.000	0.017	0.003
	168	0.060	0.003	-0.052	0.000	-0.027	0.011
206	158	0.026	-0.003	-0.033	0.001	0.036	-0.001
	160	0.015	-0.009	-0.033	0.001	0.004	-0.006
207	168	0.014	-0.024	0.046	0.000	-0.027	0.015
	167	0.014	-0.035	0.046	0.000	0.011	-0.011
208	162	0.020	-0.046	0.098	0.000	-0.055	0.030
	168	0.027	-0.046	0.098	0.000	0.001	0.004
209	158	0.064	-0.033	0.011	0.000	0.000	0.000
	159	0.059	-0.033	0.011	0.000	0.006	-0.017
210	164	0.147	-0.003	0.034	-0.001	-0.038	0.005
	166	0.136	-0.009	0.034	-0.001	-0.004	-0.001
211	169	1.194	-0.003	-0.023	-0.003	0.000	0.000
	309	1.083	-0.003	-0.023	-0.003	-0.018	-0.002
212	171	0.056	0.023	-0.061	0.001	0.046	-0.017
	172	0.052	0.017	-0.061	0.001	0.009	-0.005
213	172	0.057	0.014	-0.096	-0.001	0.013	-0.010
	277	0.056	0.013	-0.096	-0.001	0.000	-0.008
214	173	-0.004	0.024	-0.051	0.000	0.023	-0.007
	174	-0.010	0.014	-0.051	0.000	-0.029	0.012
215	175	0.955	-0.002	-0.017	-0.003	0.000	0.000
	310	0.845	-0.002	-0.017	-0.003	-0.014	-0.002
216	177	-0.077	-0.034	0.084	-0.001	-0.057	0.022
	178	-0.081	-0.040	0.084	-0.001	-0.007	-0.001
217	178	0.057	0.009	0.120	0.001	-0.011	-0.003
	282	0.057	0.008	0.120	0.001	0.006	-0.001
218	179	0.018	-0.026	0.059	0.000	-0.028	0.013
	174	0.012	-0.035	0.059	0.000	0.032	-0.018
219	176	-0.060	-0.044	0.020	0.000	0.000	0.000
	177	-0.066	-0.044	0.020	0.000	0.010	-0.022
220	173	0.059	0.014	-0.051	0.000	0.016	0.004
	180	0.059	0.003	-0.051	0.000	-0.028	0.011
221	170	0.014	0.002	-0.034	0.001	0.037	-0.004
	172	0.003	-0.005	-0.034	0.001	0.004	-0.005
222	180	0.013	-0.026	0.047	0.000	-0.028	0.015
	179	0.013	-0.037	0.047	0.000	0.012	-0.012
223	174	0.021	-0.046	0.098	0.000	-0.056	0.030
	180	0.028	-0.046	0.098	0.000	0.001	0.004
224	170	0.062	-0.034	0.013	0.000	0.000	0.000
	171	0.057	-0.034	0.013	0.000	0.007	-0.017
225	176	0.157	-0.008	0.036	-0.001	-0.040	0.009
	178	0.146	-0.014	0.036	-0.001	-0.004	-0.002
226	181	0.856	0.000	-0.081	-0.002	0.000	0.000
	311	0.774	0.000	-0.081	-0.002	-0.049	0.000
227	183	0.061	0.024	-0.063	0.001	0.048	-0.018
	184	0.057	0.018	-0.063	0.001	0.009	-0.005
228	184	0.050	0.014	-0.099	-0.001	0.013	-0.009
	276	0.047	0.010	-0.099	-0.001	-0.038	-0.003
229	185	-0.001	0.023	-0.051	0.000	0.023	-0.007
	186	-0.007	0.014	-0.051	0.000	-0.029	0.012
230	187	0.725	-0.001	-0.058	-0.002	0.000	0.000
	312	0.643	-0.001	-0.058	-0.002	-0.035	0.000

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
231	189	-0.079	-0.034	0.083	-0.001	-0.057	0.022
	190	-0.082	-0.039	0.083	-0.001	-0.007	0.000
232	190	0.066	0.009	0.121	0.001	-0.011	-0.004
	281	0.063	0.004	0.121	0.001	0.051	-0.001
233	191	0.028	-0.024	0.058	0.000	-0.028	0.012
	186	0.021	-0.034	0.058	0.000	0.032	-0.018
234	188	-0.058	-0.043	0.020	0.000	0.000	0.000
	189	-0.064	-0.043	0.020	0.000	0.010	-0.022
235	185	0.055	0.013	-0.053	0.000	0.017	0.005
	192	0.055	0.001	-0.053	0.000	-0.028	0.010
236	182	0.003	0.006	-0.035	0.001	0.038	-0.007
	184	-0.008	-0.001	-0.035	0.001	0.004	-0.004
237	192	0.011	-0.027	0.046	0.000	-0.028	0.015
	191	0.011	-0.038	0.046	0.000	0.011	-0.012
238	186	0.020	-0.044	0.099	0.000	-0.056	0.030
	192	0.028	-0.044	0.099	0.000	0.001	0.005
239	182	0.067	-0.035	0.016	0.000	0.000	0.000
	183	0.062	-0.035	0.016	0.000	0.008	-0.018
240	188	0.166	-0.013	0.038	-0.001	-0.041	0.012
	190	0.155	-0.020	0.038	-0.001	-0.004	-0.003
241	193	-0.840	0.001	-0.189	-0.002	0.000	0.000
	313	-0.895	0.001	-0.189	-0.002	-0.076	0.000
242	195	0.072	0.026	-0.067	0.001	0.050	-0.019
	196	0.068	0.020	-0.067	0.001	0.009	-0.005
243	196	0.039	0.014	-0.104	-0.001	0.013	-0.007
	266	0.038	0.013	-0.104	-0.001	-0.001	-0.005
244	197	-0.031	0.023	-0.054	0.000	0.024	-0.005
	275	-0.033	0.020	-0.054	0.000	0.009	0.001
245	199	0.198	0.001	-0.133	0.000	0.000	0.000
	314	0.143	0.001	-0.133	0.000	-0.053	0.000
246	201	-0.068	-0.032	0.082	-0.001	-0.056	0.021
	202	-0.072	-0.037	0.082	-0.001	-0.007	0.001
247	202	0.072	0.002	0.124	0.000	-0.011	-0.004
	268	0.071	0.001	0.124	0.000	0.007	-0.003
248	203	-0.019	-0.021	0.055	0.000	-0.026	0.010
	280	-0.021	-0.024	0.055	0.000	-0.010	0.003
249	200	-0.052	-0.043	0.020	0.000	0.000	0.000
	201	-0.057	-0.043	0.020	0.000	0.010	-0.021
250	197	0.090	0.011	-0.058	0.000	0.020	0.006
	204	0.090	0.000	-0.058	0.000	-0.029	0.010
251	194	-0.018	0.014	-0.037	0.001	0.041	-0.012
	196	-0.029	0.007	-0.037	0.001	0.004	-0.002
252	204	0.050	-0.030	0.045	0.001	-0.029	0.017
	203	0.050	-0.042	0.045	0.001	0.009	-0.014
253	198	0.022	-0.040	0.103	0.000	-0.058	0.030
	204	0.030	-0.040	0.103	0.000	0.001	0.007
254	194	0.077	-0.037	0.019	0.000	0.000	0.000
	195	0.071	-0.037	0.019	0.000	0.009	-0.019
255	200	0.158	-0.019	0.042	-0.001	-0.045	0.018
	202	0.147	-0.026	0.042	-0.001	-0.004	-0.004
256	205	-4.333	0.001	-0.495	-0.003	0.000	0.000
	315	-4.361	0.001	-0.495	-0.003	-0.099	0.000
257	207	0.109	0.029	-0.072	0.001	0.052	-0.020
	208	0.106	0.023	-0.072	0.001	0.009	-0.004
258	208	0.031	0.013	-0.113	-0.001	0.013	-0.002
	209	0.027	0.007	-0.113	-0.001	-0.055	0.004
259	209	0.064	0.020	-0.053	0.000	0.024	-0.004
	265	0.062	0.017	-0.053	0.000	0.009	0.002
260	211	-1.181	0.009	-0.349	0.002	0.000	0.000
	316	-1.209	0.009	-0.349	0.002	-0.070	0.002
261	213	-0.062	-0.025	0.082	-0.001	-0.057	0.020
	214	-0.065	-0.031	0.082	-0.001	-0.007	0.004
262	214	0.037	-0.019	0.129	0.000	-0.011	0.000
	215	0.033	-0.025	0.129	0.000	0.067	-0.014
263	215	0.121	-0.012	0.048	0.000	-0.022	0.004
	267	0.119	-0.015	0.048	0.000	-0.008	0.000
264	212	-0.070	-0.041	0.018	0.000	0.000	0.000
	213	-0.075	-0.041	0.018	0.000	0.009	-0.020
265	209	-0.018	0.007	-0.058	0.000	0.022	0.008
	216	-0.018	-0.004	-0.058	0.000	-0.027	0.009
266	206	-0.061	0.029	-0.041	0.001	0.045	-0.023
	208	-0.072	0.023	-0.041	0.001	0.004	0.002
267	216	-0.046	-0.036	0.036	0.001	-0.027	0.018
	215	-0.046	-0.048	0.036	0.001	0.004	-0.018
268	210	0.025	-0.028	0.094	0.000	-0.053	0.025
	216	0.032	-0.028	0.094	0.000	0.001	0.009
269	206	0.099	-0.039	0.022	0.000	0.000	0.000
	207	0.093	-0.039	0.022	0.000	0.011	-0.020
270	212	0.109	-0.026	0.047	-0.001	-0.050	0.025
	214	0.097	-0.033	0.047	-0.001	-0.004	-0.004
271	217	7.900	-0.008	-2.150	-0.076	1.329	0.018
	218	7.348	-0.008	-2.150	-0.076	-0.821	0.010
272	219	0.354	0.043	-0.075	0.000	0.049	-0.026
	220	0.350	0.038	-0.075	0.000	0.004	-0.001
273	220	0.331	0.014	-0.074	0.000	0.004	0.001
	221	0.327	0.008	-0.074	0.000	-0.041	0.008
274	221	0.107	0.005	-0.036	0.000	0.012	0.004
	222	0.101	-0.005	-0.036	0.000	-0.025	0.004
275	223	3.755	0.075	-1.679	0.055	0.987	-0.041
	224	3.204	0.075	-1.679	0.055	-0.692	0.034
276	225	0.238	-0.057	0.099	0.000	-0.063	0.034
	226	0.234	-0.062	0.099	0.000	-0.003	-0.002
277	226	0.273	-0.011	0.099	0.000	-0.003	-0.005
	227	0.270	-0.016	0.099	0.000	0.057	-0.013
278	227	0.084	0.024	0.020	0.000	-0.006	-0.015
	222	0.078	0.015	0.020	0.000	0.015	0.004
279	224	1.573	-0.018	0.016	0.000	0.000	0.000
	225	1.567	-0.018	0.016	0.000	0.008	-0.009
280	3	13.268	0.040	-0.029	0.000	0.012	-0.009
	273	13.270	0.033	-0.029	0.000	-0.006	0.014
281	269	0.008	0.020	-0.034	0.000	0.014	-0.007
	30	0.004	0.014	-0.034	0.000	-0.012	0.006
282	269	13.406	-0.038	0.043	0.000	-0.008	0.009
	270	13.409	-0.045	0.043	0.000	0.019	-0.017
283	270	0.196	-0.054	-0.263	0.000	0.015	-0.027
	41	0.195	-0.055	-0.263	0.000	-0.009	-0.032
284	218	6.129	-0.028	0.031	0.000	0.000	0.000
	219	6.123	-0.028	0.031	0.000	0.016	-0.014
285	225	-1.363	0.029	-0.038	0.000	0.019	-0.014
	212	-1.358	0.024	-0.038	0.000	-0.008	0.005
286	225	0.856	0.071	-0.101	0.000	0.029	-0.023
	213	0.856	0.065	-0.101	0.000	-0.021	0.011
287	224	0.472	1.416	-0.083	-0.019	-0.040	-0.670
	212	0.472	1.140	-0.083	-0.019	-0.082	-0.031
288	21	-1.005	0.090	-0.143	0.000	0.020	-0.010
	7	-1.005	0.084	-0.143	0.000	-0.051	0.033
289	20	-0.419	1.368	-0.025	-0.131	-0.005	0.024
	13	-0.419	1.093	-0.025	-0.131	-0.018	0.640
290	33	-0.872	0.062	-0.135	0.000	0.028	-0.012
	21	-0.872	0.055	-0.135	0.000	-0.039	0.017
291	32	2.005	0.450	-0.087	-0.157	0.007	-0.092
	20	2.005	0.174	-0.087	-0.157	-0.036	0.064
292	45	-0.726	0.055	-0.122	0.000	0.025	-0.010
	33	-0.726	0.048	-0.122	0.000	-0.035	0.016
293	44	3.255	0.038	-0.109	-0.157	0.038	-0.014
	32	3.255	-0.237	-0.109	-0.157	-0.016	-0.064
294	57	-0.569	0.069	-0.149	0.000	0.032	-0.013
	45	-0.569	0.062	-0.149	0.000	-0.043	0.019
295	56	4.391	0.100	-0.057	-0.121	0.053	0.018
	44	4.391	-0.175	-0.057	-0.121	0.025	-0.001
296	69	-0.400	0.060	-0.144	-0.001	0.031	-0.012
	57	-0.400	0.053	-0.144	-0.001	-0.040	0.017
297	68	5.228	0.973	0.042	-0.039	0.033	-0.409
	56	5.228	0.697	0.042	-0.039	0.054	0.008
298	81	-0.225	0.144	-0.287	-0.001	0.102	-0.053
	69	-0.225	0.137	-0.287	-0.001	-0.042	0.017
299	80	-3.547	1.043	-0.170	-0.201	0.090	-0.021
	68	-3.547	0.767	-0.170	-0.201	0.005	0.431
300	93	-0.113	-0.065	0.089	0.000	0.010	-0.003
	81	-0.113	-0.072	0.089	0.000	0.055	-0.037
301	92	-2.328	-0.030	-0.037	-0.021	0.136	0.009
	80	-2.328	-0.305	-0.037	-0.021	0.118	-0.075
302	105	-0.066	0.019	-0.043	0.001	0.007	-0.002
	93	-0.066	0.013	-0.043	0.001	-0.014	0.006
303	104	-1.065	0.050	0.115	0.123	0.097	0.021
	92	-1.065	-0.226	0.115	0.123	0.155	-0.023
304	117	-0.009	0.032	-0.065	0.000	0.009	-0.003
	105	-0.009	0.025	-0.065	0.000	-0.023	0.011
305	116	0.230	1.112	0.286	0.217	-0.039	-0.473
	104	0.230	0.836	0.286	0.217	0.104	0.014
306	129	0.063	0.040	-0.081	0.000	0.013	-0.005
	117	0.063	0.033	-0.081	0.000	-0.027	0.013
307	128	-0.412	1.071	-0.017	0.098	0.031	-0.040
	116	-0.412	0.795	-0.017	0.098	0.022	0.427
308	141	0.148	0.046	-0.091	0.000	0.018	-0.008
	129	0.148	0.039	-0.091	0.000	-0.028	0.014
309	140	0.913	0.135	0.036	0.122	0.004	-0.017
	128	0.913	-0.140	0.036	0.122	0.022	-0.018
310	153	0.243	0.048	-0.096	0.000	0.021	-0.010
	141	0.243	0.041	-0.096	0.000	-0.027	0.013
311	152	2.244	0.098	0.041	0.130	-0.029	0.030
	140	2.244	-0.178	0.041	0.130	-0.009	0.011
312	165	0.343	0.048	-0.097	0.000	0.023	-0.011
	153	0.343	0.041	-0.097	0.000	-0.026	0.012
313	164	3.577	1.322	0.020	0.129	-0.054	-0.531
	152	3.577	1.047	0.020	0.129	-0.044	0.061

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
314	177	0.446	0.047	-0.098	0.000	0.024	-0.011
	165	0.446	0.040	-0.098	0.000	-0.025	0.011
315	176	-5.128	0.946	0.054	0.039	-0.043	-0.035
	164	-5.128	0.671	0.054	0.039	-0.015	0.369
316	189	0.551	0.047	-0.097	0.000	0.025	-0.011
	177	0.551	0.041	-0.097	0.000	-0.024	0.011
317	188	-4.238	0.203	0.020	0.030	-0.071	-0.034
	176	-4.238	-0.072	0.020	0.030	-0.061	-0.001
318	201	0.654	0.046	-0.094	0.000	0.024	-0.011
	189	0.654	0.039	-0.094	0.000	-0.023	0.010
319	200	-3.063	0.076	-0.030	0.018	-0.077	0.032
	188	-3.063	-0.199	-0.030	0.018	-0.092	0.001
320	213	0.756	0.045	-0.098	0.000	0.026	-0.011
	201	0.756	0.038	-0.098	0.000	-0.023	0.010
321	212	-1.793	0.415	-0.083	0.000	-0.059	-0.069
	200	-1.793	0.139	-0.083	0.000	-0.101	0.070
322	222	-0.693	0.108	0.030	0.000	-0.008	-0.023
	210	-0.693	0.102	0.030	0.000	0.007	0.030
323	18	-9.921	0.044	-0.039	0.000	-0.001	-0.004
	3	-9.921	0.037	-0.039	0.000	-0.020	0.016
324	30	-9.378	0.199	-0.061	0.000	0.010	-0.041
	18	-9.378	0.192	-0.061	0.000	-0.020	0.057
325	42	-8.844	0.174	-0.062	0.000	0.011	-0.042
	30	-8.844	0.168	-0.062	0.000	-0.020	0.044
326	54	-8.316	0.193	-0.110	0.000	0.022	-0.050
	42	-8.316	0.187	-0.110	0.000	-0.033	0.045
327	66	-7.780	0.147	-0.165	0.000	0.039	-0.045
	54	-7.780	0.141	-0.165	0.000	-0.043	0.027
328	78	-7.145	-0.050	-0.355	0.000	0.117	0.016
	66	-7.145	-0.057	-0.355	0.000	-0.060	-0.011
329	90	-6.586	0.362	0.268	0.000	-0.038	-0.091
	78	-6.586	0.356	0.268	0.000	0.096	0.088
330	102	-6.150	0.210	0.140	0.000	-0.038	-0.064
	90	-6.150	0.203	0.140	0.000	0.032	0.039
331	114	-5.634	0.148	0.070	0.000	-0.025	-0.038
	102	-5.634	0.142	0.070	0.000	0.011	0.034
332	126	-5.074	0.161	0.037	0.000	-0.016	-0.036
	114	-5.074	0.154	0.037	0.000	0.003	0.043
333	138	-4.513	0.174	0.015	0.000	-0.008	-0.039
	126	-4.513	0.167	0.015	0.000	-0.001	0.046
334	150	-3.961	0.180	0.002	0.000	-0.003	-0.043
	138	-3.961	0.173	0.002	0.000	-0.002	0.046
335	162	-3.414	0.182	-0.005	0.000	0.000	-0.044
	150	-3.414	0.175	-0.005	0.000	-0.002	0.045
336	174	-2.871	0.182	-0.007	0.000	0.001	-0.045
	162	-2.871	0.176	-0.007	0.000	-0.002	0.045
337	186	-2.329	0.184	-0.007	0.000	0.002	-0.046
	174	-2.329	0.178	-0.007	0.000	-0.001	0.045
338	198	-1.787	0.179	0.000	0.000	0.000	-0.044
	186	-1.787	0.173	0.000	0.000	0.000	0.044
339	210	-1.248	0.213	-0.007	0.000	0.004	-0.056
	198	-1.248	0.207	-0.007	0.000	0.001	0.049
340	219	5.424	0.037	0.121	0.000	-0.036	-0.010
	207	5.424	0.030	0.121	0.000	0.025	0.007
341	218	1.026	1.029	-0.015	0.053	0.073	-0.773
	206	1.026	0.753	-0.015	0.053	0.065	-0.328
342	15	-6.757	0.040	0.043	0.000	-0.017	-0.001
	2	-6.757	0.033	0.043	0.000	0.004	0.017
343	14	-1.130	0.643	-0.447	-0.521	-0.405	0.442
	12	-1.130	0.368	-0.447	-0.521	-0.628	0.694
344	27	-6.715	0.050	0.039	0.000	-0.012	-0.010
	15	-6.715	0.044	0.039	0.000	0.008	0.013
345	26	6.971	1.565	-0.449	-0.546	-0.172	-0.227
	14	6.971	1.289	-0.449	-0.546	-0.396	0.486
346	39	-6.686	0.015	0.075	0.000	-0.026	0.001
	27	-6.686	0.008	0.075	0.000	0.012	0.007
347	38	8.222	-0.168	-0.412	-0.543	0.028	-0.045
	26	8.222	-0.443	-0.412	-0.543	-0.178	-0.198
348	51	-6.666	0.038	0.059	-0.001	-0.035	0.001
	39	-6.666	0.031	0.059	-0.001	-0.005	0.018
349	50	9.327	0.028	-0.336	-0.511	0.184	0.028
	38	9.327	-0.247	-0.336	-0.511	0.016	-0.026
350	63	-6.616	-0.036	0.106	-0.001	-0.066	0.038
	51	-6.616	-0.042	0.106	-0.001	-0.013	0.019
351	62	10.022	1.568	-0.162	-0.427	0.252	-0.678
	50	10.022	1.293	-0.162	-0.427	0.171	0.037
352	75	-6.731	0.465	-0.581	-0.001	0.217	-0.173
	63	-6.731	0.459	-0.581	-0.001	-0.073	0.058
353	74	-2.542	0.553	-2.143	-0.231	1.016	0.222
	62	-2.542	0.277	-2.143	-0.231	-0.055	0.430
354	87	4.344	-0.291	0.991	0.002	-0.145	0.017
	75	4.344	-0.297	0.991	0.002	0.351	-0.130
355	86	-1.351	0.647	0.245	0.130	0.853	-0.094
	74	-1.351	0.372	0.245	0.130	0.975	0.161
356	99	4.593	0.134	0.078	0.001	-0.068	0.000
	87	4.593	0.127	0.078	0.001	-0.029	0.065
357	98	-0.153	-0.182	1.317	0.342	0.183	0.022
	86	-0.153	-0.458	1.317	0.342	0.841	-0.138
358	111	4.715	0.078	0.063	0.000	-0.036	-0.006
	99	4.715	0.071	0.063	0.000	-0.005	0.031
359	110	1.129	1.455	1.561	0.430	-0.577	-0.643
	98	1.129	1.180	1.561	0.430	0.203	0.015
360	123	4.801	0.058	0.076	0.000	-0.027	-0.009
	111	4.801	0.051	0.076	0.000	0.011	0.019
361	122	-0.255	1.422	-0.102	0.258	-0.202	-0.047
	110	-0.255	1.146	-0.102	0.258	-0.253	0.595
362	135	4.876	0.052	0.079	0.000	-0.024	-0.010
	123	4.876	0.045	0.079	0.000	0.015	0.015
363	134	1.078	0.121	-0.018	0.278	-0.164	-0.015
	122	1.078	-0.155	-0.018	0.278	-0.173	-0.024
364	147	4.948	0.049	0.076	0.000	-0.022	-0.010
	135	4.948	0.043	0.076	0.000	0.016	0.013
365	146	2.419	0.064	0.052	0.286	-0.161	0.050
	134	2.419	-0.212	0.052	0.286	-0.135	0.013
366	159	5.019	0.046	0.076	0.000	-0.020	-0.010
	147	5.019	0.039	0.076	0.000	0.017	0.011
367	158	3.762	1.743	0.109	0.287	-0.189	-0.722
	146	3.762	1.467	0.109	0.287	-0.134	0.080
368	171	5.091	0.042	0.076	0.000	-0.019	-0.010
	159	5.091	0.036	0.076	0.000	0.018	0.010
369	170	-8.823	1.263	-0.094	0.099	-0.054	-0.045
	158	-8.823	0.987	-0.094	0.099	-0.101	0.518
370	183	5.166	0.043	0.076	0.000	-0.018	-0.010
	171	5.166	0.036	0.076	0.000	0.019	0.009
371	182	-8.116	0.138	-0.043	0.096	-0.012	-0.013
	170	-8.116	-0.138	-0.043	0.096	-0.034	-0.013
372	195	5.245	0.041	0.077	0.000	-0.017	-0.011
	183	5.245	0.035	0.077	0.000	0.021	0.008
373	194	-7.014	-0.125	-0.013	0.089	0.016	0.151
	182	-7.014	-0.400	-0.013	0.089	0.009	0.019
374	207	5.330	0.039	0.086	0.000	-0.019	-0.011
	195	5.330	0.032	0.086	0.000	0.024	0.007
375	206	-5.779	1.238	0.001	0.076	0.039	-0.365
	194	-5.779	0.963	0.001	0.076	0.040	0.185
376	13	0.262	0.307	-0.071	-0.030	0.055	-0.012
	239	0.262	0.031	-0.071	-0.030	0.020	0.073
377	10	0.188	0.000	-0.001	0.000	0.000	0.008
	236	0.188	-0.005	-0.001	0.000	-0.001	0.007
378	230	5.895	2.413	0.515	0.017	-0.138	-0.811
	244	5.895	2.192	0.515	0.017	0.068	0.110
379	231	0.856	-0.136	-0.100	0.067	0.138	0.048
	229	0.304	-0.136	-0.100	0.067	0.038	-0.087
380	232	6.002	1.497	-0.493	-0.118	0.515	-0.686
	230	5.451	1.497	-0.493	-0.118	0.021	0.811
381	233	0.192	-0.144	0.039	0.000	0.003	0.035
	3	0.189	-0.149	0.039	0.000	0.024	-0.045
382	229	-0.317	0.009	-0.001	0.000	0.000	0.000
	235	-0.330	0.009	-0.001	0.000	-0.001	0.010
383	234	-7.662	-0.146	0.038	0.001	-0.007	0.037
	3	-7.665	-0.151	0.038	0.001	0.014	-0.044
384	230	-0.219	-0.004	-0.002	0.000	0.000	0.000
	236	-0.232	-0.004	-0.002	0.000	-0.002	-0.005
385	237	0.055	0.004	0.001	0.000	0.000	0.001
	8	0.049	0.004	0.001	0.000	0.001	0.003
386	235	-0.335	-0.179	-0.001	0.000	-0.001	0.017
	233	-0.338	-0.179	-0.001	0.000	-0.001	-0.032
387	238	0.059	-0.003	-0.013	0.000	-0.009	-0.002
	9	0.053	-0.003	-0.013	0.000	-0.015	-0.004
388	236	-0.236	0.184	-0.001	-0.001	-0.003	-0.012
	234	-0.239	0.184	-0.001	-0.001	-0.003	0.038
389	239	0.184	0.091	-0.097	-0.035	0.015	0.081
	240	0.184	-0.185	-0.097	-0.035	-0.034	0.057
390	237	0.055	0.004	-0.001	0.000	0.000	-0.001
	290	0.055	0.004	-0.001	0.000	0.000	-0.001
391	240	0.187	-0.251	-0.110	-0.035	-0.034	0.057
	229	0.187	-0.472	-0.110	-0.035	-0.078	-0.087
392	238	0.059	-0.003	0.013	0.000	-0.009	0.002
	291	0.065	-0.003	0.013	0.000	-0.002	0.000
393	241	-0.024	0.004	-0.001	0.000	0.000	0.001
	4	-0.029	0.004	-0.001	0.000	-0.001	0.004
394	242	-0.191	0.011	-0.030	0.000	-0.020	0.007
	5	-0.197	0.011	-0.030	0.000	-0.035	0.013
395	241	-0.024	0.004	0.001	0.000	0.000	-0.001
	292	-0.023	0.004	0.001	0.000	0.000	-0.001
396	242	-0.191	0.011	0.030	0.000	-0.020	-0.007
	293	-0.185	0.011	0.030	0.000	-0.004	-0.002

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
397	243	-0.254	-4.035	0.443	0.009	0.317	1.229
	12	-0.254	-4.311	0.443	0.009	0.539	-0.857
398	244	5.884	2.376	0.485	0.017	0.068	0.110
	243	5.884	2.100	0.485	0.017	0.310	1.228
399	228	0.000	0.000	0.000	0.000	0.000	0.001
	245	0.000	-0.005	0.000	0.000	0.000	0.000
400	224	0.010	0.215	-0.097	-0.021	0.095	-0.053
	246	0.010	-0.061	-0.097	-0.021	0.047	-0.014
401	228	0.000	0.000	0.000	0.000	0.000	0.001
	247	0.000	-0.005	0.000	0.000	0.000	0.000
402	248	-0.365	0.255	0.199	0.054	-0.113	-0.025
	249	-0.365	0.034	0.199	0.054	-0.034	0.033
403	250	0.754	-0.032	-0.139	0.069	0.169	-0.004
	251	0.203	-0.032	-0.139	0.069	0.030	-0.036
404	252	0.673	0.017	-0.182	-0.098	0.241	0.008
	248	0.121	0.017	-0.182	-0.098	0.059	0.025
405	251	0.021	0.000	0.000	0.000	0.000	0.000
	284	0.014	0.000	0.000	0.000	0.000	0.000
406	248	0.021	0.000	0.000	0.000	0.000	0.000
	247	0.008	0.000	0.000	0.000	0.000	0.000
407	253	0.070	0.004	0.000	0.000	0.000	0.001
	226	0.064	0.004	0.000	0.000	0.000	0.003
408	245	0.003	0.000	0.000	0.000	0.000	0.000
	254	0.000	0.000	0.000	0.000	0.000	0.000
409	255	0.138	0.002	-0.026	0.000	-0.018	0.001
	227	0.133	0.002	-0.026	0.000	-0.031	0.002
410	247	0.003	0.000	0.000	0.000	0.000	0.000
	256	0.000	0.000	0.000	0.000	0.000	0.000
411	246	-0.380	0.283	-0.125	-0.026	0.042	-0.009
	257	-0.380	0.007	-0.125	-0.026	-0.020	0.063
412	253	0.070	0.004	0.000	0.000	0.000	-0.001
	285	0.070	0.004	0.000	0.000	0.000	-0.001
413	257	-0.382	-0.139	-0.151	-0.026	-0.020	0.063
	251	-0.382	-0.359	-0.151	-0.026	-0.081	-0.036
414	255	0.138	0.002	0.026	0.000	-0.018	-0.001
	287	0.144	0.002	0.026	0.000	-0.004	0.000
415	258	-0.025	0.002	0.000	0.000	0.000	0.001
	220	-0.031	0.002	0.000	0.000	0.000	0.002
416	259	0.005	-0.003	-0.010	0.000	-0.007	-0.002
	221	-0.001	-0.003	-0.010	0.000	-0.012	-0.003
417	258	-0.025	0.002	0.000	0.000	0.000	-0.001
	288	-0.025	0.002	0.000	0.000	0.000	-0.001
418	259	0.005	-0.003	0.010	0.000	-0.007	0.002
	289	0.011	-0.003	0.010	0.000	-0.001	0.000
419	260	-0.006	0.085	0.165	0.048	0.066	-0.017
	218	-0.006	-0.191	0.165	0.048	0.149	-0.043
420	249	-0.362	0.022	0.188	0.054	-0.034	0.033
	260	-0.362	-0.254	0.188	0.054	0.061	-0.025
421	219	-7.801	0.015	-0.003	0.000	0.002	-0.008
	206	-7.796	0.010	-0.003	0.000	0.000	0.000
422	2	9.594	-0.008	0.020	0.000	-0.017	0.012
	14	9.600	-0.013	0.020	0.000	-0.002	0.004
423	7	1.577	-0.004	0.006	0.000	-0.003	0.003
	20	1.583	-0.009	0.006	0.000	0.001	-0.001
424	261	0.015	0.005	0.145	0.001	0.008	-0.002
	35	0.012	0.001	0.145	0.001	0.075	0.000
425	270	13.674	-0.025	0.054	-0.001	-0.009	-0.001
	271	13.676	-0.032	0.054	-0.001	0.025	-0.019
426	262	-0.146	-0.032	0.069	0.000	-0.014	0.007
	18	-0.151	-0.039	0.069	0.000	0.037	-0.020
427	271	0.176	-0.018	0.045	0.000	0.008	-0.037
	53	0.173	-0.022	0.045	0.000	0.028	-0.047
428	263	-0.311	0.002	0.001	0.000	0.004	-0.004
	273	-0.314	-0.001	0.001	0.000	0.004	-0.004
429	271	13.537	-0.059	0.046	-0.001	0.001	-0.003
	272	13.539	-0.066	0.046	-0.001	0.030	-0.042
430	264	0.071	-0.004	-0.066	0.000	0.001	-0.008
	29	0.068	-0.009	-0.066	0.000	-0.030	-0.011
431	272	-1.120	-0.123	-0.023	0.000	0.027	-0.017
	64	-1.121	-0.125	-0.023	0.000	0.022	-0.045
432	265	0.062	0.017	-0.053	0.000	0.009	0.002
	274	0.060	0.014	-0.053	0.000	-0.011	0.007
433	272	13.494	0.059	-0.121	0.000	0.019	-0.033
	75	13.496	0.052	-0.121	0.000	-0.056	0.001
434	266	0.038	0.013	-0.104	-0.001	-0.001	-0.005
	197	0.035	0.009	-0.104	-0.001	-0.050	0.000
435	273	13.443	-0.029	0.042	0.000	-0.017	0.020
	269	13.445	-0.036	0.042	0.000	0.009	-0.001
436	267	0.119	-0.015	0.048	0.000	-0.008	0.000
	279	0.116	-0.018	0.048	0.000	0.009	-0.006
437	273	-0.137	0.020	-0.082	0.000	0.016	-0.004
	18	-0.139	0.017	-0.082	0.000	-0.014	0.003
438	268	0.071	0.001	0.124	0.000	0.007	-0.003
	203	0.068	-0.004	0.124	0.000	0.064	-0.004
439	283	-0.078	-0.038	0.084	-0.001	-0.026	0.008
	166	-0.079	-0.040	0.084	-0.001	-0.007	-0.001
440	282	0.057	0.008	0.120	0.001	0.006	-0.001
	179	0.054	0.004	0.120	0.001	0.061	0.001
441	281	0.063	0.004	0.121	0.001	0.051	-0.001
	191	0.062	0.003	0.121	0.001	0.062	0.000
442	280	-0.021	-0.024	0.055	0.000	-0.010	0.003
	198	-0.026	-0.031	0.055	0.000	0.031	-0.017
443	279	0.116	-0.018	0.048	0.000	0.009	-0.006
	210	0.114	-0.021	0.048	0.000	0.027	-0.013
444	223	0.000	0.383	0.003	0.000	0.000	-0.032
	211	0.000	-0.383	0.003	0.000	0.001	-0.032
445	278	0.053	0.018	-0.061	0.001	0.024	-0.009
	160	0.051	0.016	-0.061	0.001	0.010	-0.005
446	277	0.056	0.013	-0.096	-0.001	0.000	-0.008
	173	0.053	0.008	-0.096	-0.001	-0.045	-0.004
447	276	0.047	0.010	-0.099	-0.001	-0.038	-0.003
	185	0.046	0.009	-0.099	-0.001	-0.046	-0.002
448	275	-0.033	0.020	-0.054	0.000	0.009	0.001
	198	-0.037	0.013	-0.054	0.000	-0.031	0.013
449	274	0.060	0.014	-0.053	0.000	-0.011	0.007
	210	0.057	0.011	-0.053	0.000	-0.031	0.012
450	19	0.000	0.383	0.006	0.000	-0.002	-0.032
	6	0.000	-0.383	0.006	0.000	0.001	-0.032
451	31	0.000	0.383	0.011	0.000	-0.003	-0.032
	19	0.000	-0.383	0.011	0.000	0.003	-0.032
452	43	0.000	0.383	0.010	0.000	-0.002	-0.032
	31	0.000	-0.383	0.010	0.000	0.003	-0.032
453	55	0.000	0.383	0.010	0.000	-0.003	-0.032
	43	0.000	-0.383	0.010	0.000	0.002	-0.032
454	67	0.000	0.383	0.005	0.000	-0.001	-0.032
	55	0.000	-0.383	0.005	0.000	0.002	-0.032
455	79	0.000	0.383	0.003	0.000	-0.001	-0.032
	67	0.000	-0.383	0.003	0.000	0.001	-0.032
456	91	0.000	0.383	0.003	0.000	0.000	-0.032
	79	0.000	-0.383	0.003	0.000	0.001	-0.032
457	103	0.000	0.383	-0.006	0.000	0.002	-0.032
	91	0.000	-0.383	-0.006	0.000	-0.001	-0.032
458	115	0.000	0.383	-0.005	0.000	0.001	-0.032
	103	0.000	-0.383	-0.005	0.000	-0.002	-0.032
459	127	0.000	0.383	-0.006	0.000	0.002	-0.032
	115	0.000	-0.383	-0.006	0.000	-0.001	-0.032
460	139	0.000	0.383	-0.011	0.000	0.003	-0.032
	127	0.000	-0.383	-0.011	0.000	-0.003	-0.032
461	151	0.000	0.383	-0.011	0.000	0.003	-0.032
	139	0.000	-0.383	-0.011	0.000	-0.003	-0.032
462	163	0.000	0.383	-0.006	0.000	0.001	-0.032
	151	0.000	-0.383	-0.006	0.000	-0.002	-0.032
463	175	0.000	0.383	-0.004	0.000	0.001	-0.032
	163	0.000	-0.383	-0.004	0.000	-0.001	-0.032
464	187	0.000	0.383	-0.006	0.000	0.001	-0.032
	175	0.000	-0.383	-0.006	0.000	-0.002	-0.032
465	199	0.000	0.383	-0.001	0.000	0.000	-0.032
	187	0.000	-0.383	-0.001	0.000	0.000	-0.032
466	211	0.000	0.383	0.003	0.000	-0.001	-0.032
	199	0.000	-0.383	0.003	0.000	0.000	-0.032
467	217	0.000	0.383	-0.005	0.000	0.001	-0.032
	205	0.000	-0.383	-0.005	0.000	-0.002	-0.032
468	11	0.000	0.383	0.015	0.000	-0.005	-0.032
	1	0.000	-0.383	0.015	0.000	0.003	-0.032
469	25	0.000	0.383	0.039	0.000	-0.010	-0.032
	11	0.000	-0.383	0.039	0.000	0.009	-0.032
470	37	0.000	0.383	0.048	0.000	-0.012	-0.032
	25	0.000	-0.383	0.048	0.000	0.012	-0.032
471	49	0.000	0.383	0.054	0.000	-0.014	-0.032
	37	0.000	-0.383	0.054	0.000	0.013	-0.032
472	284	0.014	0.000	0.000	0.000	0.000	0.000
	245	0.008	0.000	0.000	0.000	0.000	0.000
473	61	0.000	0.383	0.029	0.000	-0.005	-0.032
	49	0.000	-0.383	0.029	0.000	0.010	-0.032
474	285	0.070	0.004	0.000	0.000	0.000	-0.001
	246	0.073	0.004	0.000	0.000	0.000	0.000
475	73	0.000	0.383	0.015	0.000	-0.005	-0.032
	61	0.000	-0.383	0.015	0.000	0.002	-0.032
476	287	0.144	0.002	0.026	0.000	-0.004	0.000
	257	0.145	0.002	0.026	0.000	0.000	0.000
477	85	0.000	0.383	0.000	0.000	0.002	-0.032
	73	0.000	-0.383	0.000	0.000	0.002	-0.032
478	97	0.000	0.383	-0.047	0.000	0.013	-0.032
	85	0.000	-0.383	-0.047	0.000	-0.010	-0.032
479	288	-0.025	0.002	0.000	0.000	0.000	-0.001
	260	-0.021	0.002	0.000	0.000	0.000	0.000

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
480	109	0.000	0.383	-0.032	0.000	0.005	-0.032
	97	0.000	-0.383	-0.032	0.000	-0.011	-0.032
481	289	0.011	-0.003	0.010	0.000	-0.001	0.000
	249	0.012	-0.003	0.010	0.000	0.000	0.000
482	121	0.000	0.383	-0.020	0.000	0.007	-0.032
	109	0.000	-0.383	-0.020	0.000	-0.003	-0.032
483	133	0.000	0.383	-0.029	0.000	0.006	-0.032
	121	0.000	-0.383	-0.029	0.000	-0.008	-0.032
484	145	0.000	0.383	-0.019	0.000	0.005	-0.032
	133	0.000	-0.383	-0.019	0.000	-0.005	-0.032
485	157	0.000	0.383	-0.009	0.000	0.002	-0.032
	145	0.000	-0.383	-0.009	0.000	-0.003	-0.032
486	169	0.000	0.383	-0.004	0.000	0.001	-0.032
	157	0.000	-0.383	-0.004	0.000	-0.001	-0.032
487	181	0.000	0.383	-0.006	0.000	0.001	-0.032
	169	0.000	-0.383	-0.006	0.000	-0.002	-0.032
488	193	0.000	0.383	-0.004	0.000	0.001	-0.032
	181	0.000	-0.383	-0.004	0.000	-0.001	-0.032
489	290	0.055	0.004	-0.001	0.000	0.000	-0.001
	239	0.058	0.004	-0.001	0.000	0.000	0.000
490	291	0.065	-0.003	0.013	0.000	-0.002	0.000
	240	0.066	-0.003	0.013	0.000	0.000	0.000
491	292	-0.023	0.004	0.001	0.000	0.000	-0.001
	243	-0.020	0.004	0.001	0.000	0.000	0.000
492	293	-0.185	0.011	0.030	0.000	-0.004	-0.002
	244	-0.184	0.011	0.030	0.000	0.000	0.000
493	205	0.000	0.383	-0.007	0.000	0.002	-0.032
	193	0.000	-0.383	-0.007	0.000	-0.001	-0.032
494	6	0.000	1.073	0.000	0.000	0.000	-0.250
	286	0.000	0.306	0.000	0.000	0.000	0.094
495	232	0.000	1.073	0.000	0.000	0.000	-0.250
	294	0.000	0.460	0.000	0.000	0.000	0.056
496	286	0.000	0.306	0.000	0.000	0.000	0.094
	295	0.000	-0.460	0.000	0.000	0.000	0.056
497	295	0.000	-0.460	0.000	0.000	0.000	0.056
	231	0.000	-1.073	0.000	0.000	0.000	-0.250
498	296	0.000	-0.306	0.000	0.000	0.000	0.094
	1	0.000	-1.073	0.000	0.000	0.000	-0.250
499	294	0.000	0.460	0.000	0.000	0.000	0.056
	296	0.000	-0.306	0.000	0.000	0.000	0.094
500	223	0.000	1.073	0.000	0.000	0.000	-0.250
	297	0.000	0.306	0.000	0.000	0.000	0.094
501	252	0.000	1.073	0.000	0.000	0.000	-0.250
	298	0.000	0.460	0.000	0.000	0.000	0.056
502	297	0.000	0.306	0.000	0.000	0.000	0.094
	299	0.000	-0.460	0.000	0.000	0.000	0.056
503	299	0.000	-0.460	0.000	0.000	0.000	0.056
	250	0.000	-1.073	0.000	0.000	0.000	-0.250
504	300	0.000	-0.306	0.000	0.000	0.000	0.094
	217	0.000	-1.073	0.000	0.000	0.000	-0.250
505	298	0.000	0.460	0.000	0.000	0.000	0.056
	300	0.000	-0.306	0.000	0.000	0.000	0.094
506	231	0.000	0.690	0.000	0.000	0.000	-0.103
	232	0.000	-0.690	0.000	0.000	0.000	-0.103
507	250	0.000	0.690	0.000	0.000	0.000	-0.103
	252	0.000	-0.690	0.000	0.000	0.000	-0.103
508	230	-5.468	0.097	-0.023	-0.008	0.019	0.000
	1	-5.330	-0.097	-0.023	-0.008	-0.021	0.000
509	1	-12.478	-0.056	0.042	-0.003	-0.002	0.000
	301	-12.506	-0.125	0.042	-0.003	0.021	-0.049
510	6	0.017	0.097	0.011	0.003	-0.009	0.000
	229	-0.121	-0.097	0.011	0.003	0.011	0.000
511	217	0.539	0.097	-0.017	-0.005	0.013	0.000
	248	0.401	-0.097	-0.017	-0.005	-0.015	0.000
512	217	12.431	0.108	0.004	0.003	-0.005	0.000
	315	12.403	0.039	0.004	0.003	-0.003	0.040
513	223	0.578	0.097	0.012	0.004	-0.009	0.000
	251	0.440	-0.097	0.012	0.004	0.011	0.000
514	223	8.957	0.086	0.004	-0.003	0.000	0.000
	316	8.929	0.017	0.004	-0.003	0.002	0.028
515	6	-8.852	-0.033	0.000	-0.004	0.005	0.000
	302	-8.880	-0.102	0.000	-0.004	0.005	-0.036
516	301	6.264	0.013	-0.041	0.018	0.033	-0.011
	14	6.154	0.013	-0.041	0.018	0.000	0.000
517	301	-13.062	-0.267	0.013	-0.011	0.020	0.085
	303	-13.090	-0.336	0.013	-0.011	0.028	-0.077
518	302	2.520	0.000	-0.027	0.005	0.022	0.000
	20	2.410	0.000	-0.027	0.005	0.000	0.000
519	302	-9.259	-0.171	0.000	-0.004	0.005	0.057
	304	-9.286	-0.240	0.000	-0.004	0.005	-0.054
520	303	2.196	0.011	-0.106	0.024	0.063	-0.007
	26	2.113	0.011	-0.106	0.024	0.000	0.000
521	303	-13.131	-0.210	-0.005	-0.016	0.028	0.063
	305	-13.159	-0.279	-0.005	-0.016	0.025	-0.069
522	304	0.824	0.001	-0.069	0.005	0.042	-0.001
	32	0.741	0.001	-0.069	0.005	0.000	0.000
523	304	-9.308	-0.126	-0.002	-0.004	0.005	0.040
	306	-9.335	-0.195	-0.002	-0.004	0.004	-0.046
524	305	0.144	0.011	-0.244	0.024	0.098	-0.004
	38	0.089	0.011	-0.244	0.024	0.000	0.000
525	305	-12.995	-0.303	-0.023	-0.015	0.026	0.078
	307	-13.022	-0.372	-0.023	-0.015	0.013	-0.104
526	306	0.295	0.001	-0.160	0.005	0.064	0.000
	44	0.239	0.001	-0.160	0.005	0.000	0.000
527	306	-9.227	-0.196	-0.005	-0.003	0.004	0.053
	308	-9.255	-0.265	-0.005	-0.003	0.002	-0.071
528	307	-1.026	-0.015	-0.646	0.019	0.129	0.003
	50	-1.053	-0.015	-0.646	0.019	0.000	0.000
529	307	-12.220	-0.046	-0.023	0.000	0.012	0.044
	62	-12.248	-0.115	-0.023	0.000	0.000	0.000
530	308	-0.530	-0.005	-0.428	0.003	0.086	0.001
	56	-0.558	-0.005	-0.428	0.003	0.000	0.000
531	308	-8.714	-0.019	-0.002	0.000	0.001	0.029
	68	-8.742	-0.088	-0.002	0.000	0.000	0.000
532	309	1.503	0.012	-0.635	-0.001	0.127	-0.002
	170	1.476	0.012	-0.635	-0.001	0.000	0.000
533	309	12.195	0.130	0.012	0.000	-0.006	-0.051
	158	12.167	0.061	0.012	0.000	0.000	0.000
534	310	1.118	0.009	-0.445	-0.002	0.089	-0.002
	176	1.090	0.009	-0.445	-0.002	0.000	0.000
535	310	8.801	0.104	0.011	0.000	-0.006	-0.037
	164	8.773	0.035	0.011	0.000	0.000	0.000
536	311	0.666	-0.002	-0.237	-0.002	0.095	0.001
	182	0.611	-0.002	-0.237	-0.002	0.000	0.000
537	311	12.946	0.362	-0.003	0.001	-0.003	-0.082
	309	12.919	0.293	-0.003	0.001	-0.004	0.094
538	312	0.535	0.003	-0.163	-0.001	0.065	-0.001
	188	0.480	0.003	-0.163	-0.001	0.000	0.000
539	312	9.327	0.267	-0.001	0.000	-0.004	-0.060
	310	9.300	0.198	-0.001	0.000	-0.005	0.066
540	313	-0.936	-0.002	-0.104	-0.002	0.062	0.001
	194	-1.019	-0.002	-0.104	-0.002	0.000	0.000
541	313	13.079	0.273	-0.001	0.002	-0.002	-0.067
	311	13.051	0.204	-0.001	0.002	-0.002	0.062
542	314	0.095	0.001	-0.071	0.000	0.043	-0.001
	200	0.012	0.001	-0.071	0.000	0.000	0.000
543	314	9.413	0.197	-0.005	0.000	-0.002	-0.047
	312	9.385	0.128	-0.005	0.000	-0.004	0.041
544	315	-4.862	-0.001	-0.040	-0.003	0.032	0.001
	206	-4.972	-0.001	-0.040	-0.003	0.000	0.000
545	315	13.012	0.335	0.001	0.002	-0.003	-0.091
	313	12.984	0.266	0.001	0.002	-0.002	0.071
546	316	-1.582	0.000	-0.028	0.002	0.022	0.000
	212	-1.692	0.000	-0.028	0.002	0.000	0.000
547	316	9.365	0.244	-0.005	-0.001	0.001	-0.064
	314	9.338	0.175	-0.005	-0.001	-0.001	0.049
565	227	0.105	0.203	-0.178	0.000	0.052	-0.066
	215	0.105	0.196	-0.178	0.000	-0.037	0.034
566	23	-0.088	0.193	-0.237	0.000	0.051	-0.034
	9	-0.088	0.186	-0.237	0.000	-0.068	0.061
567	35	-0.102	0.124	-0.319	0.000	0.074	-0.031
	23	-0.102	0.117	-0.319	0.000	-0.085	0.029
568	47	-0.062	0.158	-0.309	0.000	0.072	-0.041
	35	-0.062	0.151	-0.309	0.000	-0.083	0.036
569	59	0.020	0.140	-0.358	0.000	0.083	-0.041
	47	0.020	0.133	-0.358	0.000	-0.096	0.027
570	71	0.153	0.134	-0.370	0.000	0.088	-0.038
	59	0.153	0.128	-0.370	0.000	-0.097	0.027
571	83	0.322	-0.003	-0.434	0.000	0.134	0.030
	71	0.322	-0.010	-0.434	0.000	-0.083	0.026
572	95	0.439	0.148	0.281	0.000	-0.042	-0.014
	83	0.439	0.141	0.281	0.000	0.099	0.058
573	107	0.431	0.002	0.178	0.000	-0.046	-0.014
	95	0.431	-0.005	0.178	0.000	0.043	-0.015
574	119	0.371	0.018	0.062	0.000	-0.021	-0.013
	107	0.371	0.011	0.062	0.000	0.010	-0.006
575	131	0.311	0.052	-0.034	0.000	0.003	-0.016
	119	0.311	0.045	-0.034	0.000	-0.013	0.008
576	143	0.268	0.078	-0.104	0.000	0.022	-0.020
	131	0.268	0.071	-0.104	0.000	-0.030	0.017
577	155	0.239	0.093	-0.145	0.000	0.034	-0.023
	143	0.239	0.086	-0.145	0.000	-0.039	0.022
578	167	0.220	0.099	-0.165	0.000	0.040	-0.025
	155	0.220	0.093	-0.165	0.000	-0.042	0.024
579	179	0.205	0.102	-0.174	0.000	0.043	-0.025
	167	0.205	0.096	-0.174	0.000	-0.044	0.025

Memb	Node	Axial Force	Y-Axis Shear	Z-Axis Shear	X-Axis Torsion	Y-Axis Moment	Z-Axis Moment
580	191	0.191	0.102	-0.175	0.000	0.044	-0.024
	179	0.191	0.095	-0.175	0.000	-0.043	0.025
581	203	0.174	0.104	-0.172	0.000	0.044	-0.024
	191	0.174	0.098	-0.172	0.000	-0.042	0.026
582	215	0.150	0.089	-0.159	0.000	0.040	-0.017
	203	0.150	0.082	-0.159	0.000	-0.039	0.026
600	221	0.048	0.125	0.183	0.000	-0.044	-0.041
	209	0.048	0.119	0.183	0.000	0.048	0.020
601	17	-0.123	0.132	0.000	0.000	0.004	-0.025
	5	-0.123	0.126	0.000	0.000	0.003	0.039
602	29	-0.224	0.005	0.067	0.000	-0.020	0.001
	17	-0.224	-0.002	0.067	0.000	0.014	0.002
603	41	-0.226	0.040	0.026	0.000	-0.023	0.008
	29	-0.226	0.033	0.026	0.000	-0.010	0.026
604	53	-0.482	0.047	-0.093	0.000	0.010	-0.001
	41	-0.482	0.041	-0.093	0.000	-0.036	0.021
605	65	-0.470	0.101	-0.293	0.001	0.095	-0.060
	53	-0.470	0.094	-0.293	0.001	-0.051	-0.012
606	77	-0.583	-0.238	-0.347	0.001	0.150	0.022
	65	-0.583	-0.245	-0.347	0.001	-0.024	-0.098
607	89	-0.563	0.212	0.428	0.000	-0.063	-0.085
	77	-0.563	0.206	0.428	0.000	0.151	0.019
608	101	-0.359	0.002	0.480	-0.001	-0.110	-0.025
	89	-0.359	-0.005	0.480	-0.001	0.130	-0.026
609	113	-0.180	0.036	0.289	0.000	-0.090	0.003
	101	-0.180	0.030	0.289	0.000	0.054	0.020
610	125	-0.077	0.085	0.200	0.000	-0.070	-0.001
	113	-0.077	0.078	0.200	0.000	0.030	0.040
611	137	-0.023	0.093	0.162	0.000	-0.054	-0.009
	125	-0.023	0.087	0.162	0.000	0.027	0.036
612	149	0.006	0.089	0.148	0.000	-0.044	-0.015
	137	0.006	0.083	0.148	0.000	0.030	0.028
613	161	0.021	0.084	0.141	0.000	-0.038	-0.018
	149	0.021	0.078	0.141	0.000	0.032	0.023
614	173	0.031	0.083	0.139	0.000	-0.035	-0.020
	161	0.031	0.076	0.139	0.000	0.034	0.020
615	185	0.037	0.084	0.142	0.000	-0.034	-0.022
	173	0.037	0.077	0.142	0.000	0.037	0.018
616	197	0.043	0.089	0.149	0.000	-0.033	-0.026
	185	0.043	0.082	0.149	0.000	0.042	0.017
617	209	0.050	0.081	0.177	0.000	-0.040	-0.024
	197	0.050	0.074	0.177	0.000	0.049	0.015

NODE REACTIONS (kN,kNm)

Load case 1 (Linear): Self Weight

Node	X-Axis Force	Y-Axis Force	Z-Axis Force	X-Axis Moment	Y-Axis Moment	Z-Axis Moment
1	0.199	2.852	0.050	-0.025	0.015	0.216
6	-0.197	2.858	0.047	-0.026	-0.014	-0.217
11	0.000	1.315	-0.003	0.000	0.000	0.000
19	0.000	1.310	-0.003	0.000	0.000	0.000
25	0.002	1.348	0.000	0.000	0.000	0.000
31	-0.001	1.342	0.000	0.000	0.000	0.000
37	0.001	1.351	0.000	0.000	0.000	0.000
43	-0.001	1.343	0.000	0.000	0.000	0.000
49	0.001	1.256	0.000	0.000	0.000	0.000
55	-0.001	1.249	0.000	0.000	0.000	0.000
61	0.161	1.820	-0.003	-0.001	0.002	-0.145
67	-0.159	1.815	-0.003	-0.001	-0.003	0.147
73	0.000	1.189	0.000	0.000	0.000	0.000
79	0.000	1.190	0.000	0.000	0.000	0.000
85	0.001	1.272	0.000	0.000	0.000	0.000
91	-0.001	1.273	0.000	0.000	0.000	0.000
97	0.000	1.191	0.000	0.000	0.000	0.000
103	0.000	1.191	0.000	0.000	0.000	0.000
109	0.150	1.779	0.000	0.000	0.000	-0.147
115	-0.154	1.779	0.000	0.000	0.000	0.152
121	0.000	1.190	0.000	0.000	0.000	0.000
127	0.000	1.191	0.000	0.000	0.000	0.000
133	0.001	1.272	0.000	0.000	0.000	0.000
139	-0.001	1.272	0.000	0.000	0.000	0.000
145	0.000	1.190	0.000	0.000	0.000	0.000
151	0.000	1.190	0.000	0.000	0.000	0.000
157	0.156	1.815	0.003	0.001	-0.003	-0.142
163	-0.155	1.814	0.003	0.001	0.004	0.142
169	0.001	1.249	0.000	0.000	0.000	0.000
175	-0.001	1.249	0.000	0.000	0.000	0.000
181	0.001	1.342	0.000	0.000	0.000	0.000
187	-0.001	1.342	0.000	0.000	0.000	0.000
193	0.001	1.342	0.000	0.000	0.000	0.000
199	-0.001	1.342	0.000	0.000	0.000	0.000
205	0.000	1.311	0.003	0.000	0.000	0.000
211	-0.002	1.310	0.003	0.000	0.000	0.000
217	0.196	2.855	-0.047	0.026	-0.014	0.217
223	-0.194	2.856	-0.048	0.026	0.013	-0.217
231	0.090	2.768	-0.024	-0.021	0.001	0.119
232	-0.092	2.774	-0.025	-0.022	-0.002	-0.119
250	0.092	2.768	0.023	0.020	-0.001	0.119
252	-0.092	2.767	0.023	0.020	0.001	-0.119
Load	0.000	-68.932	0.000	0.000	0.000	0.000
Reac	0.000	68.932	0.000	-0.002	-0.001	0.007
Equil	2.512E-14	0.000E+00	-9.166E-15			
Resid	1.954E-14	8.667E-15	2.252E-14	3.104E-16	9.055E-16	3.005E-16

Load case 2 (Linear): Seism on X direction

Node	X-Axis Force	Y-Axis Force	Z-Axis Force	X-Axis Moment	Y-Axis Moment	Z-Axis Moment
1	-4.935	-5.486	-0.298	-0.047	-0.588	0.240
6	-4.624	5.224	0.312	0.048	-0.606	0.247
11	0.022	-0.666	-0.001	0.000	0.000	0.000
19	0.019	0.149	0.005	0.000	0.000	0.000
25	-0.057	-0.176	0.000	0.000	0.000	0.000
31	-0.061	0.134	0.002	0.000	0.000	0.000
37	-0.034	0.034	-0.001	0.000	0.000	0.000
43	-0.037	0.242	0.001	0.000	0.000	0.000
49	-0.040	-0.139	0.000	0.000	0.000	0.000
55	-0.039	0.215	-0.001	0.000	0.000	0.000
61	-6.570	-0.331	-0.027	-0.016	-0.204	6.350
67	-6.642	0.293	0.042	0.022	-0.178	6.377
73	0.005	-0.258	0.000	0.000	0.000	0.000
79	0.004	0.197	0.000	0.000	0.000	0.000
85	-0.037	-0.314	0.000	0.000	0.000	0.000
91	-0.035	0.289	0.000	0.000	0.000	0.000
97	-0.005	-0.241	0.000	0.000	0.000	0.000
103	-0.004	0.242	0.000	0.000	0.000	0.000
109	-6.857	-0.389	-0.008	-0.006	-0.008	7.000
115	-6.784	0.393	0.015	0.007	-0.011	6.917
121	-0.003	-0.235	0.000	0.000	0.000	0.000
127	-0.003	0.231	0.000	0.000	0.000	0.000
133	-0.036	-0.302	0.000	0.000	0.000	0.000
139	-0.036	0.301	0.000	0.000	0.000	0.000
145	0.003	-0.226	0.000	0.000	0.000	0.000
151	0.003	0.234	0.000	0.000	0.000	0.000
157	-6.797	-0.359	0.016	0.008	0.173	6.571
163	-6.779	0.365	-0.007	-0.005	0.165	6.532
169	-0.040	-0.219	-0.001	0.000	0.000	0.000
175	-0.038	0.212	0.000	0.000	0.000	0.000
181	-0.039	-0.255	0.000	0.000	0.000	0.000
187	-0.040	0.255	0.000	0.000	0.000	0.000
193	-0.064	-0.211	0.000	0.000	0.000	0.000
199	-0.053	0.354	0.000	0.000	0.000	0.000
205	0.020	-0.314	-0.001	0.000	0.000	0.000
211	-0.107	0.696	0.002	0.000	0.000	0.000
217	-4.675	-5.008	0.181	0.036	0.631	0.237
223	-4.543	4.555	-0.214	-0.042	0.573	0.220
231	-1.064	-4.551	-1.009	-0.843	0.064	0.555
232	-1.217	5.093	0.985	0.828	0.062	0.622
250	-1.100	-4.703	1.063	0.894	-0.068	0.571
252	-1.093	4.675	-1.058	-0.888	-0.068	0.569
Load	64.410	0.000	0.000	0.000	0.000	0.000
Reac	-64.410	0.000	0.000	-0.002	-0.062	43.008
Equil	0.000E+00	-2.394E-12	1.322E-12			
Resid	1.971E-12	4.921E-13	1.588E-12	1.048E-14	6.717E-14	9.548E-15

Load case 3 (Linear): Seism on Z direction

Node	X-Axis Force	Y-Axis Force	Z-Axis Force	X-Axis Moment	Y-Axis Moment	Z-Axis Moment
1	-4.454	-21.625	-13.636	-1.320	0.081	0.172
6	0.026	-5.880	-9.912	-0.991	0.084	0.027
11	-0.008	5.404	-0.501	0.000	0.000	0.000
19	-0.005	1.799	-0.351	0.000	0.000	0.000
25	-0.004	1.770	-0.192	0.000	0.000	0.000
31	0.004	0.401	-0.132	0.000	0.000	0.000
37	0.001	-0.319	-0.082	0.000	0.000	0.000
43	0.002	-0.160	-0.058	0.000	0.000	0.000
49	0.038	-0.804	-0.022	0.000	0.000	0.000
55	0.008	-0.474	-0.018	0.000	0.000	0.000
61	2.969	5.695	-2.561	-1.420	0.279	-2.987
67	0.496	3.158	-1.915	-1.039	0.051	-0.784
73	0.015	4.321	0.000	0.000	0.000	0.000
79	0.001	1.201	0.000	0.000	0.000	0.000
85	0.046	0.780	0.000	0.000	0.000	0.000
91	0.009	-0.064	0.000	0.000	0.000	0.000
97	-0.015	-1.431	0.000	0.000	0.000	0.000
103	-0.001	-1.088	0.000	0.000	0.000	0.000
109	1.601	-0.058	-2.699	-1.471	-0.308	-1.830
115	0.578	-0.171	-1.955	-1.065	-0.067	-0.749
121	0.009	1.386	0.000	0.000	0.000	0.000
127	0.005	0.932	0.000	0.000	0.000	0.000
133	-0.011	0.058	0.000	0.000	0.000	0.000
139	0.001	-0.015	0.000	0.000	0.000	0.000
145	-0.009	-1.598	0.000	0.000	0.000	0.000
151	-0.005	-1.176	0.000	0.000	0.000	0.000
157	0.079	-4.232	-2.655	-1.443	-0.063	-0.285
163	0.074	-3.068	-1.908	-1.038	-0.060	-0.147
169	0.004	0.711	-0.023	0.000	0.000	0.000
175	0.005	0.473	-0.018	0.000	0.000	0.000
181	-0.003	0.280	-0.082	0.000	0.000	0.000
187	-0.003	0.149	-0.059	0.000	0.000	0.000
193	0.000	-1.415	-0.189	0.000	0.000	0.000
199	-0.003	-0.377	-0.132	0.000	0.000	0.000
205	-0.003	-4.878	-0.498	0.000	0.000	0.000
211	-0.007	-1.726	-0.352	0.000	0.000	0.000
217	0.194	11.609	-13.622	-1.335	-0.057	0.011
223	-0.289	6.176	-9.927	-0.990	0.035	0.011
231	0.045	-0.150	-0.076	-0.117	0.066	-0.021
232	-1.405	4.991	-0.469	-0.493	-0.116	0.657
250	-0.060	-0.251	-0.162	-0.189	0.071	0.032
252	0.075	-0.332	-0.205	-0.261	-0.099	-0.036
Load	0.000	0.000	64.410	0.000	0.000	0.000
Reac	0.000	0.000	-64.410	-13.173	-0.102	-5.929
Equil	1.091E-12	2.085E-12	0.000E+00			
Resid	3.904E-12	5.329E-13	4.234E-12	2.712E-14	1.618E-14	2.914E-14

Load case 4 (Linear): SW+Seism on X direction

Node	X-Axis Force	Y-Axis Force	Z-Axis Force	X-Axis Moment	Y-Axis Moment	Z-Axis Moment
1	-4.735	-2.634	-0.248	-0.073	-0.573	0.456
6	-4.821	8.082	0.360	0.023	-0.620	0.029
11	0.022	0.650	-0.004	0.000	0.000	0.000
19	0.020	1.459	0.002	0.000	0.000	0.000
25	-0.056	1.173	0.000	0.000	0.000	0.000
31	-0.062	1.477	0.003	0.000	0.000	0.000
37	-0.033	1.385	-0.001	0.000	0.000	0.000
43	-0.038	1.585	0.000	0.000	0.000	0.000
49	-0.039	1.116	-0.001	0.000	0.000	0.000
55	-0.040	1.464	-0.001	0.000	0.000	0.000
61	-6.409	1.489	-0.030	-0.017	-0.202	6.205
67	-6.801	2.108	0.040	0.021	-0.181	6.524
73	0.004	0.931	0.000	0.000	0.000	0.000
79	0.004	1.387	0.000	0.000	0.000	0.000
85	-0.036	0.958	0.000	0.000	0.000	0.000

Node	X-Axis Force	Y-Axis Force	Z-Axis Force	X-Axis Moment	Y-Axis Moment	Z-Axis Moment
91	-0.036	1.561	0.000	0.000	0.000	0.000
97	-0.004	0.949	0.000	0.000	0.000	0.000
103	-0.004	1.433	0.000	0.000	0.000	0.000
109	-6.707	1.390	-0.008	-0.006	-0.007	6.853
115	-6.938	2.172	0.015	0.007	-0.010	7.069
121	-0.003	0.955	0.000	0.000	0.000	0.000
127	-0.003	1.421	0.000	0.000	0.000	0.000
133	-0.035	0.970	0.000	0.000	0.000	0.000
139	-0.037	1.573	0.000	0.000	0.000	0.000
145	0.003	0.964	0.000	0.000	0.000	0.000
151	0.003	1.423	0.000	0.000	0.000	0.000
157	-6.641	1.456	0.019	0.009	0.170	6.428
163	-6.934	2.179	-0.004	-0.004	0.169	6.674
169	-0.039	1.030	0.000	0.000	0.000	0.000
175	-0.039	1.461	0.001	0.000	0.000	0.000
181	-0.038	1.088	0.000	0.000	0.000	0.000
187	-0.041	1.597	0.000	0.000	0.000	0.000
193	-0.062	1.131	0.000	0.000	0.000	0.000
199	-0.054	1.696	0.000	0.000	0.000	0.000
205	0.019	0.997	0.002	0.000	0.000	0.000
211	-0.109	2.006	0.005	0.000	0.000	0.000
217	-4.479	-2.153	0.134	0.062	0.617	0.454
223	-4.736	7.411	-0.261	-0.016	0.586	0.003
231	-0.973	-1.783	-1.032	-0.864	0.066	0.674
232	-1.309	7.867	0.960	0.806	0.061	0.504
250	-1.008	-1.935	1.085	0.914	-0.069	0.690
252	-1.185	7.442	-1.035	-0.867	-0.067	0.451
Load	64.410	-68.932	0.000	0.000	0.000	0.000
Reac	-64.410	68.932	0.000	-0.004	-0.063	43.015
Equil	0.000E+00	0.000E+00	1.312E-12			
Resid	9.051E-13	6.247E-13	1.489E-12	6.652E-15	3.519E-14	1.249E-14

Load case 5 (Linear): SW+Seism on Z direction

Node	X-Axis Force	Y-Axis Force	Z-Axis Force	X-Axis Moment	Y-Axis Moment	Z-Axis Moment
1	-4.255	-18.773	-13.587	-1.345	0.096	0.389
6	-0.171	-3.022	-9.864	-1.017	0.070	-0.191
11	-0.008	6.720	-0.505	0.000	0.000	0.000
19	-0.005	3.108	-0.354	0.000	0.000	0.000
25	-0.003	3.118	-0.191	0.000	0.000	0.000
31	0.002	1.744	-0.132	0.000	0.000	0.000
37	0.002	1.032	-0.083	0.000	0.000	0.000
43	0.001	1.183	-0.059	0.000	0.000	0.000
49	0.039	0.451	-0.022	0.000	0.000	0.000
55	0.008	0.775	-0.018	0.000	0.000	0.000
61	3.130	7.515	-2.563	-1.421	0.281	-3.131
67	0.337	4.973	-1.918	-1.040	0.048	-0.637
73	0.015	5.510	0.000	0.000	0.000	0.000
79	0.001	2.391	0.000	0.000	0.000	0.000
85	0.047	2.052	0.000	0.000	0.000	0.000
91	0.008	1.209	0.000	0.000	0.000	0.000
97	-0.015	-0.240	0.000	0.000	0.000	0.000
103	-0.001	0.103	0.000	0.000	0.000	0.000
109	1.751	1.720	-2.699	-1.471	-0.308	-1.978
115	0.424	1.608	-1.955	-1.065	-0.066	-0.597
121	0.009	2.576	0.000	0.000	0.000	0.000
127	0.005	2.123	0.000	0.000	0.000	0.000
133	-0.010	1.330	0.000	0.000	0.000	0.000
139	0.000	1.257	0.000	0.000	0.000	0.000
145	-0.009	-0.408	0.000	0.000	0.000	0.000
151	-0.005	0.014	0.000	0.000	0.000	0.000
157	0.235	-2.417	-2.652	-1.442	-0.066	-0.428
163	-0.081	-1.254	-1.906	-1.037	-0.056	-0.005
169	0.005	1.960	-0.023	0.000	0.000	0.000
175	0.004	1.722	-0.017	0.000	0.000	0.000
181	-0.002	1.622	-0.081	0.000	0.000	0.000
187	-0.004	1.491	-0.058	0.000	0.000	0.000
193	0.002	-0.073	-0.189	0.000	0.000	0.000
199	-0.005	0.964	-0.133	0.000	0.000	0.000
205	-0.004	-3.567	-0.495	0.000	0.000	0.000
211	-0.009	-0.415	-0.349	0.000	0.000	0.000
217	0.390	14.464	-13.669	-1.309	-0.071	0.228
223	-0.482	9.032	-9.975	-0.964	0.048	-0.207
231	0.136	2.618	-0.100	-0.138	0.067	0.098
232	-1.497	7.765	-0.493	-0.515	-0.118	0.539
250	0.032	2.516	-0.139	-0.169	0.069	0.151
252	-0.017	2.435	-0.182	-0.241	-0.098	-0.155
Load	0.000	-68.932	64.410	0.000	0.000	0.000
Reac	0.000	68.932	-64.410	-13.175	-0.104	-5.923
Equil	1.144E-12	0.000E+00	0.000E+00			
Resid	3.605E-12	9.619E-13	2.970E-12	3.055E-14	1.324E-14	9.768E-15


OPUS