
REPUBLICA DE COLOMBIA
CONSEJO PROFESIONAL NACIONAL DE INGENIERIA
COPNIA
MATRICULA PROFESIONAL No.
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INGENIERO CIVIL
DE FECHA 23/01/2007
RAFAEL ANTONIO
LUJAN ESQUIVIA
C.C. 7916199
UNIVERSIDAD DEL SINU
PRESIDENTE DEL CONSEJO

Bogotá, 2025

Señores:
DEPARTAMENTO DE CÓRDOBA
L.C.

Referencia: ESTUDIOS Y DISEÑOS PARA LA CONSTRUCCIÓN Y/O MEJORAMIENTO Y/O REHABILITACIÓN DE INFRAESTRUCTURA VIAL EN EL DEPARTAMENTO DE CÓRDOBA

Asunto: Memorial de responsabilidad profesional

Con el presente documento manifiesto que realicé el ESTUDIO DE TRAZADO, DISEÑO GEOMÉTRICO Y SEGURIDAD VIAL que hace parte del Contrato de consultoría No. CMA-SI-001-2024 cuyo objeto es, ESTUDIOS Y DISEÑOS PARA LA CONSTRUCCIÓN Y/O MEJORAMIENTO Y/O REHABILITACIÓN DE INFRAESTRUCTURA VIAL EN EL DEPARTAMENTO DE CÓRDOBA, correspondiente al tramo de la calzada Norte – Sur de la vía denominada "Ranchos del Inat" entre la calle 60 y la calle 78 en la ciudad de Montería.

Se certifica que para le ejecución del comentado estudio y/o diseño se dio cumplimiento a las referencias normativas y reglamentos vigentes, así como, la aplicación de las normas que establecen mecanismos de integración para personas con movilidad reducida, en caso de haber aplicado durante la ejecución.

Se advierte que el informe resultado del estudio y sus anexos, no pueden ser modificados sin mi respectiva autorización, una vez sea viabilizado el proyecto.

Se suscribe,

RICARDO TAFUR SANCHEZ
Ingeniero Civil –
T.P. 25202151559CND
C.C. 79.865.912



REPUBLICA DE COLOMBIA

CONSEJO PROFESIONAL NACIONAL DE INGENIERIA

COPNIA

MATRICULA PROFESIONAL NO.

25202151559CND

INGENIERO CIVIL

DE FECHA 21/02/2008

RICARDO

TAFUR SANCHEZ

C. C. 79865912

UNIVERSIDAD LA GRAN COLOMBIA

PRESIDENTE DEL CONSEJO

REPUBLICA DE COLOMBIA
IDENTIFICACION PERSONAL
CEDULA DE CIUDADANIA

NUMERO **79.865.912**

TAFUR SANCHEZ

APELLIDOS

RICARDO

NOMBRES

FIRMA





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FECHA DE NACIMIENTO **29-JUL-1977**

BOGOTA D.C
(CUNDINAMARCA)

LUGAR DE NACIMIENTO

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29-AGO-1995 BOGOTA D.C

FECHA Y LUGAR DE EXPEDICION

REGISTRADOR NACIONAL
CARLOS ARIEL SÁNCHEZ TORRES

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MIGUEL MERCADO BUENDIA
Ingeniero Civil - Especialista en Análisis y Diseño de Estructuras - Universidad del Norte

Montería, junio 18 de 2026

Señores
GOBERNACION DE CÓRDOBA
Secretaria de Infraestructura Departamental

REFERENCIA: MEJORAMIENTO DE VIAS URBANAS EN EL MUNICIPIO DE MONTERIA, CÓRDOBA.

ASUNTO: CONCEPTO TÉCNICO ESTRUCTURAL SOBRE CAJAS DE INSPECCIÓN Y CUNETAS TRANSVERSALES SECTOR EL TAPAO.

Cordial Saludo,

Con el presente documento manifiesto que realicé los **DISEÑOS ESTRUCTURALES CORRESPONDIENTE A LAS CAJAS DE INSPECCIÓN Y CARCAMOS TRANSVERSALES DEL DISEÑO DRENAJE DEL SECTOR EL TAPAO**, que hace parte del Contrato No.SI-LP-003-2024 cuyo objeto es, MEJORAMIENTO DE VIAS URBANAS EN EL MUNICIPIO DE MONTERIA CORDOBA, correspondiente al sector "El Tapao".

Se certifica que para le ejecución del comentado estudio y/o diseño se dio cumplimiento a las referencias normativas y reglamentos vigentes, así como, la aplicación de las normas que establecen mecanismos de integración para personas con movilidad reducida, en caso de haber aplicado durante la ejecución.

Se advierte que el informe resultado del estudio y sus anexos, no pueden ser modificados sin mi respectiva autorización, una vez sea viabilizado el proyecto.

Atentamente,

MIGUEL MERCADO BUENDIA
Ingeniero civil
Esp. Análisis y Diseño de Estructuras
M.P. 22202193590COR

MEMORIA DE CÁLCULO

ANÁLISIS Y DISEÑO DE ESTRUCTURAS

CONSTRUCCIÓN DE PAVIMENTO EN CONCRETO RÍGIDO DE VÍAS URBANAS, EN EL MUNICIPIO DE MONTERÍA, CÓRDOBA.

INGENIERO CIVIL CALCULISTA
MIGUEL MERCADO BUENDIA

Lorica – Córdoba
Junio de 2026

MEMORIA DE DISEÑO Y CÁLCULO ESTRUCTURAL

1.- DESCRIPCION DEL PROYECTO

Las memorias de cálculo aquí presentadas corresponden al diseño estructural de las cajas de registro en el Municipio de Monteria, Departamento de Córdoba. La estructura será fabricada en concreto reforzado.

El diseño de las cajas se realiza cumpliendo los requisitos y criterios sismo resistente especificado en el Reglamento Colombiano de Construcción Sismo Resistente, NSR-10 y el code requirements for environmental engineering concrete structures and commentary (ACI350-06).

1.1.- NOMBRE DEL PROYECTO

CONSTRUCCIÓN DE PAVIMENTO EN CONCRETO RÍGIDO DE VÍAS URBANAS, EN EL MUNICIPIO DE MONTERÍA, CÓRDOBA.

1.2.- LOCALIZACION: MONTERIA – CORDOBA

1.3.-NIVEL DE AMENAZA SÍSMICA: INTERMEDIA.

1.4.- USO:

La estructura hará parte del sistema del alcantarillado pluvial del municipio de Monteria - Córdoba.

1.5.- DESCRIPCIÓN DE LA ESTRUCTURA:

El proyecto que nos ocupa se constituye principalmente de una caja de concreto reforzado, en parte soportado por el suelo y enterrado con sección transversal tipo U uniforme. En la parte inicial la losa de fondo y muros poseen un espesor constante de 0.20m y en la parte final los muros tienen un espesor de 0.20m

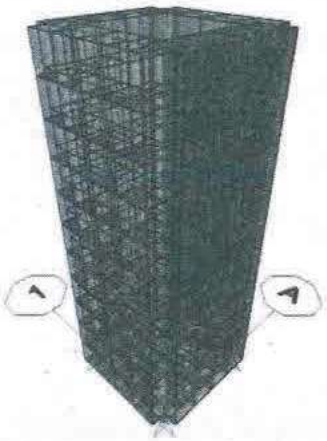


Figura 1. Modelo estructural empleado – 3D

2.- CAPACIDAD DE DISIPACION DE ENERGIA

De acuerdo con la localización de la estructura y de las características del sistema de resistencia sísmica, se establece el grado de disipación de energía del presente proyecto corresponde a: **Disipación de Energía Intermedia (DMO).**

3.- CARGAS

Las fuerzas de diseño para canales, compartimentos estancos, y estructuras ambientales, se determinan a partir de la profundidad y peso específico de los líquidos y/o sólidos contenidos, los empujes del suelo, los equipos que se instalen, las cargas vivas sobre tapas, pasarelas o cubiertas, y las cargas hidrodinámicas que adicionalmente se producen durante un sismo, tanto impulsivas como convectivas, asociadas a la inercia del líquido dentro del canal.

3.1.- CARGAS MUERTAS Y VIVAS DE DISEÑO

Cargas muertas:

Las cargas muertas se calcularon de acuerdo con el peso propio de todos los elementos considerados a partir de la masa de los materiales según la densidad utilizando para ello los valores mínimos establecidos en el Título B y las cargas muertas mínimas del Reglamento NSR-10.

- Concreto Reforzado: 24.0 KN/m3
- Concreto Simple: 22.0 KN/m3
- Agua cruda: 10.0 KN/m3

Cargas vivas:

- Para pasarelas, escaleras y pisos de oficinas y laboratorios se debe utilizar una carga de 5.0 KN/m2.

3.2.- PARAMETROS SISMICOS DEL SITIO

Para efectos del cálculo de las fuerzas, se tomaron en cuenta los parámetros de la NSR -10:

Coeficiente Aceleración pico esperada (Aa)= 0.10

Coeficiente Velocidad pico esperada (Av)= 0.20

Coeficiente mayoración local (Fa)= 1.60

Coeficiente mayoración local (Fv)= 2.0

Tipo de suelo: D

Coeficiente de Importancia: I = 1.5 (Grupo de uso IV)

Coeficiente de Disipación de Energía de Diseño: Ro = 2.0

3.3.-EMPUJE DE TIERRAS - CANAL VACÍO

Esta condición de carga representa la situación donde el canal está vacío y la presión externa del suelo está presente.

El empuje estático de tierras implica el efecto que el relleno ejerce sobre las paredes del tanque. El estudio de suelos define los siguientes parámetros para determinar las presiones de suelos: Peso unitario del relleno: 19KN/m3, los valores del coeficiente de reposo (Ko), para los suelos encontrados en el proyecto son iguales a 1.00.

Experimentos han demostrado que, aunque en el inicio de la construcción del muro se desarrollan presiones activas, con el tiempo las presiones adquieren valores de reposo (Matsou, Kenmochi y Yagi, 1978). Esta situación se cumple tanto para suelos arenosos como arcillosos.

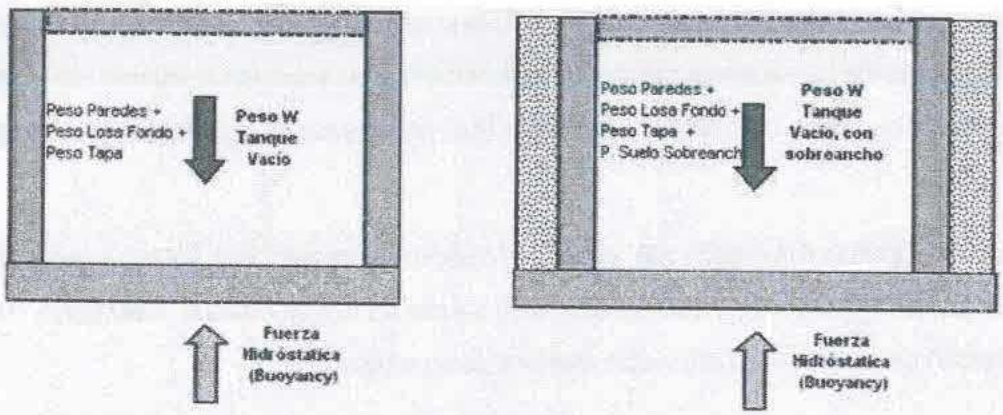
Casagrande (1973), explicó cómo al compactar el relleno detrás del muro se producen presiones muy superiores a las presiones activas y lo mismo ocurre por efectos de mediano y largo plazo relacionados con vibraciones debidas al tránsito vehicular, fluctuaciones del nivel de agua y cambios de temperatura.

3.4.- FLOTACIÓN

Se debe tener en cuenta la posible flotación de las estructuras ya sea causada por el nivel freático o por fugas de agua de las estructuras mismas, para lo cual se considera la estructura vacía y todas las posibles cargas muertas que puedan contrarrestar el fenómeno.

CR23-CR15.14.6.1: Si la losa se engruesa para poder resistir la subpresión puede afectarse el comportamiento de membrana. No se deben emplear válvulas de alivio cuando el líquido que genera la subpresión pueda estar contaminado. Anclajes al suelo es una forma de resistir la subpresión cuando el suelo lo permite. Existen otros procedimientos como lastrar la losa por medio de anclajes a un concreto ciclópeo localizado debajo de la losa y que hace parte de la sub-base. Cuando se empleen drenajes, el flujo debe llevarse a un pozo de inspección o a otra estructura de drenaje donde se pueda observar y medir el

flujo. Debe colocarse un sistema de alarma que advierta a los operadores acerca de la subpresión y se pueda solucionar llenando los tanques o tomando otras medidas apropiadas.



3.6.- CONSIDERACIONES GEOTÉCNICAS

Para la revisión de los esfuerzos transmitidos al suelo por las cargas del tanque, se tiene una capacidad admisible del suelo de 150 KN/m2 según estudio Geotécnico del proyecto.

El módulo de reacción vertical del suelo propuesto por el geotecnista es 1550 KN/m2/m, dato tomado de la Tabla de Asentamientos elásticos y coeficiente de reacción vertical (Kv).

En la verificación de la capacidad portante, se deben considerar todas las cargas actuantes: por fluidos, vivas y muertas.

4.- COMBINACIONES DE CARGA.

Los elementos de la estructura serán diseñados bajo el método de la resistencia última. Por ello los factores de carga y de reducción utilizados, así, como las combinaciones de carga que se derivan para el diseño están acordes a lo establecido en C.9.2.1 y B.2.4.2, NSR-10.

$1.4(D+F)$

$1.2(D+F+T)+1.6(L+H)+0.5(L_r \text{ ó } G \text{ ó } L_e)$

$1.2D+1.6(L_r \text{ ó } G \text{ ó } L_e)+(L \text{ ó } 0.8W)$

$1.2D+1.6W+1.0L+0.5(L_r \text{ ó } G \text{ ó } L_e)$

$1.2D+1.0E+1.0L$

$0.9D+1.6W+1.6H$

$0.9D+1.0E+1.6H$

Donde.

D : Carga Muerta

L : Carga Viva

H : Presión de Tierras

F : Peso y presión de fluidos

E : Sismo (Utilizando el factor R)

Las combinaciones que incluyen componente por la fuerza sísmica, se hace la combinación por dirección y porcentaje de esta, es decir:

E = (+ o -) 1.00 Ex (+ o -) 0.30 Ey

E = (+ o -) 1.00 Ey (+ o -) 0.30 Ex

En general la estructura y sus componentes estructurales deberán ser diseñados para que tengan en cualquier sección una resistencia de diseño al menos igual a la resistencia requerida, calculada estas últimas para las cargas y fuerzas mayoradas en las anteriores condiciones establecidas.

5.- ANALISIS Y DISEÑO ESTRUCTURAL

Mediante el uso del programa SAP2000, se analiza y confecciona la estructura tridimensionalmente. Mediante un proceso interactivo se crea la estructura con lo cual se define la geometría y conformación de la estructura. El programa calcula inicialmente la matriz de rigidez, considerando deformaciones axiales y de corte, y a partir de ella, obtiene las deformaciones, reacciones y elementos mecánicos para el correspondiente diseño.

El diseño estructural de los canales y otras estructuras ambientales incluidos en este proyecto, se desarrollaron para los estados límites de resistencia y funcionamiento, tal como los define el Título C del Reglamento NSR-10 utilizando los factores de carga y de reducción de resistencia φ dados en el Capítulo C.9.

Las resistencias de diseño multiplicadas por los factores de reducción de capacidad Ø dados en la NSR-10, deben ser mayores que los efectos de las cargas mayoradas que resultan de multiplicar las cargas de servicio por los factores de carga, de acuerdo con las combinaciones expresadas en el numeral anterior.

Los despieces se realizaron de acuerdo con el grado de capacidad de disipación para los valores más desfavorables obtenidos de la envolvente de cargas.

Así mismo, se tendrá especial cuidado de cumplir a cabalidad los siguientes requisitos mínimos establecidos en el capítulo C.23 de la NSR-10:

6. DURABILIDAD

Para la colocación del refuerzo deben seguirse las recomendaciones del capítulo C.7.5 NSR-10, y para muros de mampostería deben seguirse las recomendaciones de la tabla D.4-2 NSR-10.

Coeficiente de durabilidad ambiental:

La NSR-10 exige la aplicación de un coeficiente de amplificación llamado Coeficiente de durabilidad ambiental (Sd), el cual incrementará las Cargas de Diseño para proporcionar un diseño más conservador con menos agrietamiento. La resistencia incrementada requerida está dada por: Resistencia requerida = Sd x U.

$$S_d = \frac{\phi f_y}{\gamma f_s} \geq 1.0$$

$$\text{donde } \gamma = \frac{\text{carga mayorada}}{\text{carga no mayorada}}$$

Donde fs es el esfuerzo permisible de tracción en el refuerzo.

a) En el caso de diseño a cortante este coeficiente Sd se aplica únicamente a la porción de la resistencia a cortante que es llevada por el refuerzo a cortante.
b) El coeficiente de durabilidad no debe utilizarse en diseños que utilicen cargas de servicio o esfuerzos admisibles.
c) No se requiere el uso del coeficiente de durabilidad ambiental Sd en combinaciones de carga que incluyan fuerzas sísmicas E.

REFUERZO MÍNIMO

Refuerzo mínimo de elementos sometidos a flexión y por retracción y temperatura

Se contempló estrictamente la disposición de la NSR-10 (C.23-C.7.12) respecto del refuerzo de retracción y temperatura. En elementos expuestos a condiciones ambientales o que deban ser impermeables incluyendo losas y muros, el área de refuerzo de retracción y temperatura debe cumplir, como mínimo, las cuantías de área de refuerzo sobre la sección bruta dadas en la Tabla C.23-C.7.12.2.1.

TABLA C.23-C.7.12.2.1 — CUANTÍAS MÍNIMAS DE RETRACCIÓN DE FRAGUADO Y VARIACIÓN DE TEMPERATURA

Distancia entre juntas para compensar movimientos†	Cuantías mínimas de refuerzo de retracción de fraguado y variación de temperatura	
	f_y = 240 MPa	f_y = 420 MPa
menos de 6 m	0.0030	0.0030
6 a menos de 9 m	0.0040	0.0030
9 a menos 12 m	0.0050	0.0040
12 m o más	0.0060*	0.0050*

†La distancia es entre juntas de expansión y juntas de contracción de profundidad total. Cuando se trate de juntas de contracción de profundidad parcial las cuantías mínimas se deben determinar multiplicando la distancia real entre juntas de contracción de profundidad parcial por 1.5.

*Corresponde a la cuantía máxima a emplear cuando no se proveen juntas para compensar movimientos.

Para el diseño de los elementos se debe aplicar la disposición de refuerzo por temperatura dado en C.23-C.7.12.2.1 NSR-10 —Elementos expuestos a condiciones ambientalesll, el área de refuerzo para retracción y temperatura debe cumplir, como mínimo un valor de cuantía ρ = 0.0060 sobre la sección bruta del elemento, ya que se cuenta con juntas para compensar movimientos (juntas de contracción de profundidad total o parcial) y la dimensión total del elemento es superior a los 12m.

El refuerzo de retracción y temperatura no se debe espaciar a más de 30 cm y el tamaño mínimo de barra debe ser N°3 (3/8").

Así para cada uno de los muros y losa de fondo se debe verificar que como mínima tengan el siguiente refuerzo.

As retracción y temperatura = 0.0033 x 100 cm x 20 cm = 6.6 cm2/m

Se puede distribuir el acero requerido por retracción y temperatura en las dos caras del elemento, y por la condición ambiental donde se encuentra localizado el elemento, se distribuirá este refuerzo de la siguiente manera:

- Losa de fondo

Cara más propensa a cambios de temperatura = 2/3 * 6.6 cm2/m = 4.4 cm2/m En la otra cara se colocará = 4 cm2/m

- Muros

As (en cada cara) = 4.4 cm2 /2 = 2.2 cm²

Recubrimientos

Los requisitos de protección de concreto para el refuerzo de estructuras ambientales son más estrictos que los de estructuras normales, veamos la tabla TABLA C.23-C.7.7.1 de la NSR-10:

TABLA C.23-C.7.7.1 — PROTECCIÓN DE CONCRETO PARA EL REFUERZO EN ESTRUCTURAS AMBIENTALES

Condición			Concreto construido en sitio	Concreto prefabricado Nota-1	Concreto preesforzado vaciado en sitio
(a) Concreto vaciado contra la tierra y en permanente contacto con ella			75 mm	No aplica	75 mm
(b) Concreto expuesto a la tierra, líquidos, intemperie, o en losas que sostienen rellenos de tierra	Losas y viguetas		50 mm	40 mm	40 mm
	Vigas y columnas	Estribos y espirales	50 mm	40 mm	40 mm
		Refuerzo principal	65 mm	50 mm	50 mm
	Muros		50 mm	40 mm	40 mm
	Zapatas y losas de base	Superficies vaciadas contra formaleta	50 mm	No aplica	No aplica
		Superficie superior de zapatas y losas de base	50 mm	No aplica	No aplica
	Cascarones y losas plegadas		40 mm	25 mm	25 mm
(c) Condiciones no cubiertas en (a) o (b)	Losas y viguetas	Barras No. 11 (1-3/8") o 36M (36 mm) y menores	20 mm	20 mm Nota-2	20 mm
		Barras No. 14 (1-3/4") o 45M (45 mm) y No. 18 (2-1/4") o 55M (55 mm)	40 mm	40 mm Nota-2	40 mm
	Vigas y columnas	Estribos y espirales	40 mm	25 mm	25 mm
		Refuerzo principal	50 mm	40 mm	40 mm
	Muros	Barras No. 11 (1-3/8") o 36M (36 mm) y menores	20 mm	20 mm Nota-2	20 mm
		Barras No. 14 (1-3/4") o 45M (45 mm) y No. 18 (1-3/8") o 36M (36 mm) y menores	40 mm	40 mm Nota-2	40 mm
	Cascarones y losas plegadas	Barras No. 5 (5/8") o 16M (16 mm), alambre MW30 o MD30 (6.2 mm de diámetro), o menores	13 mm	20 mm	20 mm
		Barras No. 6 (3/4") o 20M (20 mm) y mayores	20 mm	25 mm	25 mm

Nota-1 – Construido bajo condiciones de control en planta de prefabricación

Nota-2 – Incluye ductos de preesforzado menores de 40 mm de diámetro

313 5908319 | miguelmb5@hotmail.com - ingmbuendia@gmail.com | Lorica - Córdoba

Espesor mínimo de muros y losas

La definición del espesor mínimo está controlado por los recubrimientos mínimos requeridos para el refuerzo y por las consideraciones de resistencia e impermeabilidad. No deben emplearse espesores menores a 200 mm; y los muros con alturas libres mayores de 3.0 m deben tener un espesor mínimo de 300 mm. Ver C.23-C.14.6 Normas Colombianas de Diseño y Construcción Sismo Resistente - NSR-10.

La NSR-10 en el capítulo C.23-C.14.6.1 establece que el espesor de los muros que no sean de carga cuya estabilidad vertical no se derive de curvatura del muro en planta no debe ser menor de 150 mm, ni menor de 1/30 de la distancia mínima entre elementos que le proporcionen apoyo lateral.

7.- ESPECIFICACION DE MATERIALES.

A continuación, se presentan las características generales de los materiales a emplear en la construcción del proyecto. Las recomendaciones adicionales para elementos o situaciones específicas se establecen en los planos estructurales correspondientes.

1. Concretos:

La resistencia de diseño a la compresión mínima para el concreto de estructuras ambientales debe ser de f'c = 21 MPa (3000 psi) y la relación agua cemento deberá ser máxima de 0.45. (ver C.23-C.4.5 —Normas Colombianas de Diseño y Construcción Sismo Resistente - NSR-10ll y tabla 4.3.1 "ACI 350/350R Code requeriments for environmental engineering concrete structures and commentary").

TABLA C.23-C.4.3.1 — REQUISITOS PARA EL CONCRETO SEGÚN LA CLASE DE EXPOSICIÓN

Clase de Exposición	Rel. a/mc máx.±	f'_c min. MPa	Requisitos mínimos adicionales			
			Contenido de aire			Límites en los cementantes
F3	0.42	31	tabla C.4.4.1			tabla C.4.4.2
			Tipos de material cementante*			Aditivo cloruro de calcio
			ASTM C 150	ASTM C 595	ASTM C 1157	
S0	0.45	28	Sin restricción en el tipo	Sin restricción en el tipo	Sin restricción en el tipo	Sin restricción
S1	0.42	31	II[†‡]	IP(MS), IS(<70) (MS)	MS	Sin restricción
S2	0.40	35	V[‡]	IP(HS), IS(<70) (HS)	HS	No se permite
S3	0.40	35	V puzolanas o escoria[§]	IP(HS) y puzolanas o escoria[§] o IS(<70) (HS) y puzolanas o escoria[§]	HS y puzolanas o escoria[§]	No se permite
P1	0.45	28	Ninguna			
Q1	0.42	31	Ninguna			

- Resistencia a la compresión losas y muros: f´c = 21 MPa.
- Módulo de elasticidad del concreto: E = 17.872 MPa. (C.8.5 NSR-10)

2. Refuerzo:

Las barras corrugadas deberán cumplir lo establecido en la norma NTC 2289, en cuanto a designación, masa, composición química, propiedades mecánicas, ensayos y rotulado.

- Resistencia a la fluencia: fy = 4200 kg/cm² = 420 MPa.
- Módulo de elasticidad del acero: E = 200000 MPa = 2000000 kg/cm².

Según la NSR-10, Capitulo C.23-C.14.3.4 — Los muros con un espesor mayor que 250 mm deben tener el refuerzo en cada dirección colocado en dos capas paralelas a las caras del muro de acuerdo con:

a) Una capa consistente en no menos de 1/2, y no más de 2/3 de el refuerzo total requerido para cada dirección debe colocarse a no menos del recubrimiento indicado en C.23-C.7.7 ni a más de 1/3 del espesor del muro a partir de la superficie exterior.
b) La otra capa, consistente en el resto del refuerzo requerido en esa dirección, debe colocarse a no menos del recubrimiento indicado en C.23-C.7.7 ni a más de 1/3 del espesor del muro a partir de la superficie interior.

8.- RECOMENDACIONES CONTRUCTIVAS

La NSR-10 en el capítulo C.23-C.4.10.6 — Juntas de construcción, establece lo siguiente: Donde la construcción indique la necesidad de impermeabilidad, las juntas de construcción deben tener una barrera integral impermeable.

En las estructuras de ingeniería ambiental el lapso mínimo entre el vaciado de unidades adyacentes debe ser al menos 48 horas.

9.- NORMAS DE DISEÑO Y CONSTRUCCION.

El presente estudio, se realiza de acuerdo con las disposiciones del Reglamento de Construcción Sismo Resistente NSR-10, Ley 400 de 1997 y sus Decretos 33 de 1998, 34 de 1999 y 2809 de 2000 y en especial el Capitulo C.23 – Tanques y estructuras de ingeniería ambiental de concreto. Además, los diseños se realizaron siguiendo las disposiciones técnicas consignadas en el ACI 350-06.

Si por alguna circunstancia existe alguna variación en las dimensiones del tanque, que impliquen modificaciones al proyecto estructural, se deberá hacer conocer al suscrito para estudiar su incidencia y realizar los ajustes correspondientes.

MIGUEL E. MERCADO BUENDIA
Ingeniero civil
Esp. Análisis y Diseño de Estructuras
M.P. 22202193590COR

MIGUEL MERCADO BUENDIA

ANEXOS

MIGUEL MERCADO BUENDIA

DISEÑO MURO

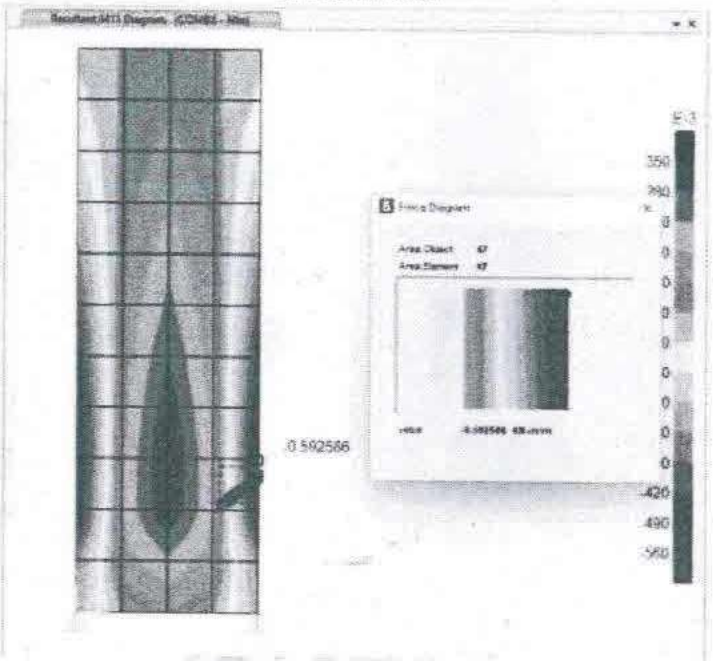


Figura 1. Momento 11 – Muro Caja

DISEÑO MURO		
Concreto		
f'c=	210	kg/cm2
Acero		
fy=	4220	kg/cm2
b=	1	Ancho de muro (m)
h=	0.2	Altura de muro (m)
r=	0.075	Recubrimiento (m)
MU=	0.59	Momento de Diseño (tn*m)
m=	23.64	
K=	3.78	
Cuantia Minima=	0.00333	
Cuantia=	0.00100	
As=	6.66	Acero en cm2
Area Barra=	1.29	cm2
Cantidad=	5.16	Und
Separación=	0.19	m

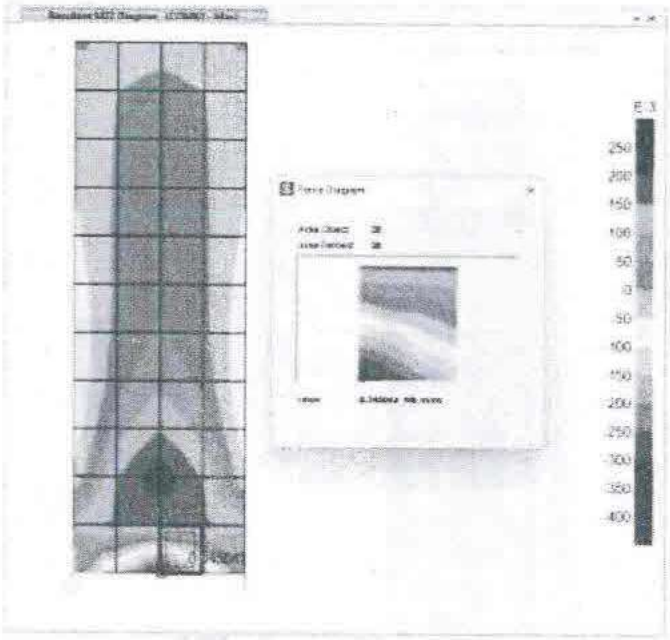


Figura 1. Momento 22 – Muro Caja

DISEÑO MURO		
Concreto		
f'c=	210	kg/cm2
Acero		
fy=	4220	kg/cm2
b=	1	Ancho de muro (m)
h=	0.2	Altura de muro (m)
r=	0.075	Recubrimiento (m)
MU=	0.34	Momento de Diseño (tn*m)
m=	23.64	
K=	2.18	
Cuantia Minima=	0.00333	
Cuantia=	0.00058	
As=	6.66	Acero en cm2
Area Barra=	1.29	cm2
Cantidad=	5.16	Und
Separación=	0.19	m

DISEÑO LOSA

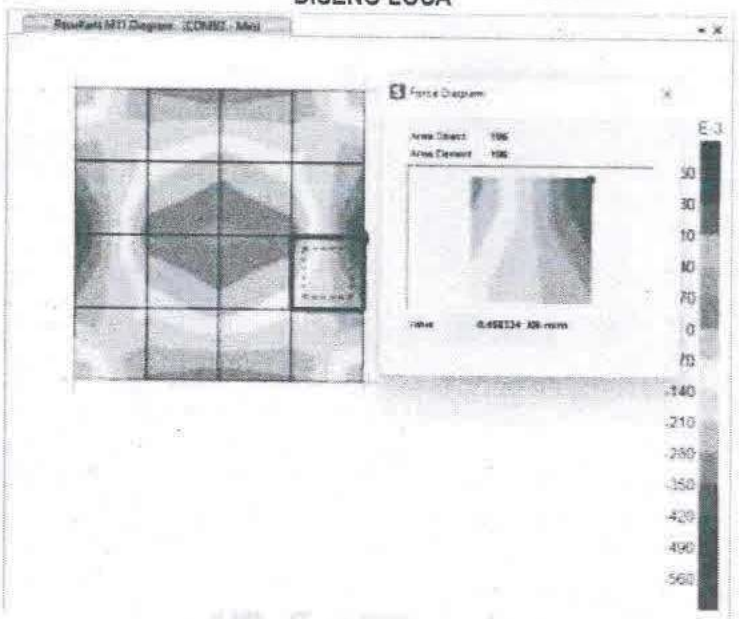


Figura 1. Momento 11 – Losa Caja

DISEÑO LOSA		
Concreto		
f'c=	210	kg/cm2
Acero		
fy=	4220	kg/cm2
b=	1	Ancho de muro (m)
h=	0.2	Altura de muro (m)
r=	0.075	Recubrimiento (m)
MU=	0.46	Momento de Diseño (tn*m)
m=	23.64	
K=	2.94	
Cuantia Minima=	0.00333	
Cuantia=	0.00078	
As=	6.66	Acero en cm2
Area Barra=	1.29	cm2
Cantidad=	5.16	Und
Separación=	0.19	m

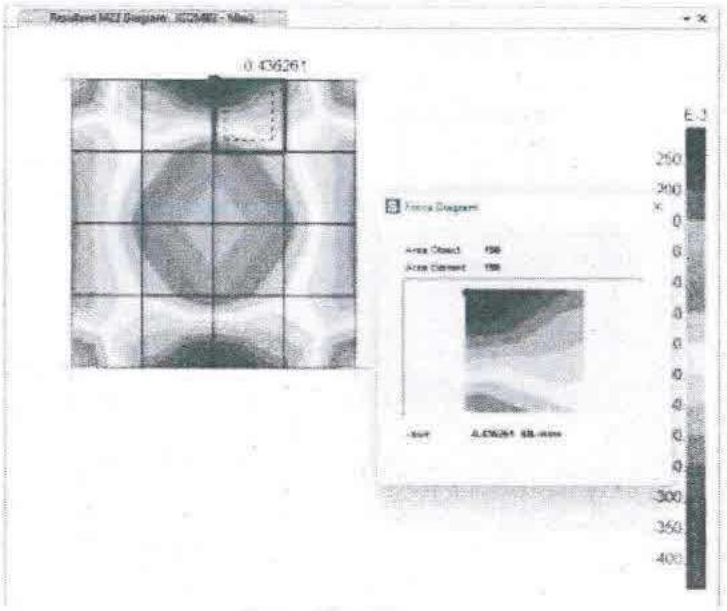


Figura 1. Momento 22 – Losa Caja

DISEÑO LOSA		
Concreto		
f'c=	210	kg/cm2
Acero		
fy=	4220	kg/cm2
b=	1	Ancho de muro (m)
h=	0.2	Altura de muro (m)
r=	0.075	Recubrimiento (m)
MU=	0.43	Momento de Diseño (tn*m)
m=	23.64	
K=	2.75	
Cuantia Minima=	0.00333	
Cuantia=	0.00007	
As=	6.66	Acero en cm2
Area Barra=	1.29	cm2
Cantidad=	5.16	Und
Separación=	0.19	m

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SAP2000 Analysis Report

Model Name: Diseño Cajas.sdb

21 junio 2026

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1. Model geometry

This section provides model geometry information, including items such as joint coordinates, joint restraints, and element connectivity.

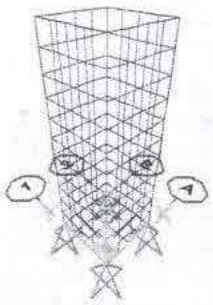


Figure 1: Finite element model

1.1. Joint coordinates

Table 1: Joint Coordinates

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	GlobalX	GlobalY	GlobalZ
			m	m	m
1	GLOBAL	Cartesian	0.	0.7	0.
2	GLOBAL	Cartesian	0.7	0.7	0.
3	GLOBAL	Cartesian	0.7	0.	0.
4	GLOBAL	Cartesian	0.	0.	0.
5	GLOBAL	Cartesian	0.	0.	2.15
6	GLOBAL	Cartesian	0.	0.7	2.15
7	GLOBAL	Cartesian	0.7	0.	2.15
8	GLOBAL	Cartesian	0.7	0.7	2.15
9	GLOBAL	Cartesian	0.	0.175	2.15
10	GLOBAL	Cartesian	0.	0.175	1.95455
11	GLOBAL	Cartesian	0.	0.	1.95455
12	GLOBAL	Cartesian	0.	0.175	1.75909
13	GLOBAL	Cartesian	0.	0.	1.75909
14	GLOBAL	Cartesian	0.	0.175	1.56364
15	GLOBAL	Cartesian	0.	0.	1.56364
16	GLOBAL	Cartesian	0.	0.175	1.36818
17	GLOBAL	Cartesian	0.	0.	1.36818
18	GLOBAL	Cartesian	0.	0.175	1.17273
19	GLOBAL	Cartesian	0.	0.	1.17273
20	GLOBAL	Cartesian	0.	0.175	0.97727
21	GLOBAL	Cartesian	0.	0.	0.97727
22	GLOBAL	Cartesian	0.	0.175	0.78182
23	GLOBAL	Cartesian	0.	0.	0.78182
24	GLOBAL	Cartesian	0.	0.175	0.58636
25	GLOBAL	Cartesian	0.	0.	0.58636

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	GlobalX	GlobalY	GlobalZ
			m	m	m
26	GLOBAL	Cartesian	0.	0.175	0.39091
27	GLOBAL	Cartesian	0.	0.	0.39091
28	GLOBAL	Cartesian	0.	0.175	0.19545
29	GLOBAL	Cartesian	0.	0.	0.19545
30	GLOBAL	Cartesian	0.	0.175	0.
31	GLOBAL	Cartesian	0.	0.35	2.15
32	GLOBAL	Cartesian	0.	0.35	1.95455
33	GLOBAL	Cartesian	0.	0.35	1.75909
34	GLOBAL	Cartesian	0.	0.35	1.56364
35	GLOBAL	Cartesian	0.	0.35	1.36818
36	GLOBAL	Cartesian	0.	0.35	1.17273
37	GLOBAL	Cartesian	0.	0.35	0.97727
38	GLOBAL	Cartesian	0.	0.35	0.78182
39	GLOBAL	Cartesian	0.	0.35	0.58636
40	GLOBAL	Cartesian	0.	0.35	0.39091
41	GLOBAL	Cartesian	0.	0.35	0.19545
42	GLOBAL	Cartesian	0.	0.35	0.
43	GLOBAL	Cartesian	0.	0.525	2.15
44	GLOBAL	Cartesian	0.	0.525	1.95455
45	GLOBAL	Cartesian	0.	0.525	1.75909
46	GLOBAL	Cartesian	0.	0.525	1.56364
47	GLOBAL	Cartesian	0.	0.525	1.36818
48	GLOBAL	Cartesian	0.	0.525	1.17273
49	GLOBAL	Cartesian	0.	0.525	0.97727
50	GLOBAL	Cartesian	0.	0.525	0.78182
51	GLOBAL	Cartesian	0.	0.525	0.58636
52	GLOBAL	Cartesian	0.	0.525	0.39091
53	GLOBAL	Cartesian	0.	0.525	0.19545
54	GLOBAL	Cartesian	0.	0.525	0.
55	GLOBAL	Cartesian	0.	0.7	1.95455
56	GLOBAL	Cartesian	0.	0.7	1.75909
57	GLOBAL	Cartesian	0.	0.7	1.56364
58	GLOBAL	Cartesian	0.	0.7	1.36818
59	GLOBAL	Cartesian	0.	0.7	1.17273
60	GLOBAL	Cartesian	0.	0.7	0.97727
61	GLOBAL	Cartesian	0.	0.7	0.78182
62	GLOBAL	Cartesian	0.	0.7	0.58636
63	GLOBAL	Cartesian	0.	0.7	0.39091
64	GLOBAL	Cartesian	0.	0.7	0.19545
65	GLOBAL	Cartesian	0.7	0.175	2.15
66	GLOBAL	Cartesian	0.7	0.175	1.95455
67	GLOBAL	Cartesian	0.7	0.	1.95455
68	GLOBAL	Cartesian	0.7	0.175	1.75909
69	GLOBAL	Cartesian	0.7	0.	1.75909
70	GLOBAL	Cartesian	0.7	0.175	1.56364
71	GLOBAL	Cartesian	0.7	0.	1.56364
72	GLOBAL	Cartesian	0.7	0.175	1.36818
73	GLOBAL	Cartesian	0.7	0.	1.36818
74	GLOBAL	Cartesian	0.7	0.175	1.17273
75	GLOBAL	Cartesian	0.7	0.	1.17273
76	GLOBAL	Cartesian	0.7	0.175	0.97727
77	GLOBAL	Cartesian	0.7	0.	0.97727
78	GLOBAL	Cartesian	0.7	0.175	0.78182
79	GLOBAL	Cartesian	0.7	0.	0.78182

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	GlobalX	GlobalY	GlobalZ
			m	m	m
80	GLOBAL	Cartesian	0.7	0.175	0.58636
81	GLOBAL	Cartesian	0.7	0.	0.58636
82	GLOBAL	Cartesian	0.7	0.175	0.39091
83	GLOBAL	Cartesian	0.7	0.	0.39091
84	GLOBAL	Cartesian	0.7	0.175	0.19545
85	GLOBAL	Cartesian	0.7	0.	0.19545
86	GLOBAL	Cartesian	0.7	0.175	0.
87	GLOBAL	Cartesian	0.7	0.35	2.15
88	GLOBAL	Cartesian	0.7	0.35	1.95455
89	GLOBAL	Cartesian	0.7	0.35	1.75909
90	GLOBAL	Cartesian	0.7	0.35	1.56364
91	GLOBAL	Cartesian	0.7	0.35	1.36818
92	GLOBAL	Cartesian	0.7	0.35	1.17273
93	GLOBAL	Cartesian	0.7	0.35	0.97727
94	GLOBAL	Cartesian	0.7	0.35	0.78182
95	GLOBAL	Cartesian	0.7	0.35	0.58636
96	GLOBAL	Cartesian	0.7	0.35	0.39091
97	GLOBAL	Cartesian	0.7	0.35	0.19545
98	GLOBAL	Cartesian	0.7	0.35	0.
99	GLOBAL	Cartesian	0.7	0.525	2.15
100	GLOBAL	Cartesian	0.7	0.525	1.95455
101	GLOBAL	Cartesian	0.7	0.525	1.75909
102	GLOBAL	Cartesian	0.7	0.525	1.56364
103	GLOBAL	Cartesian	0.7	0.525	1.36818
104	GLOBAL	Cartesian	0.7	0.525	1.17273
105	GLOBAL	Cartesian	0.7	0.525	0.97727
106	GLOBAL	Cartesian	0.7	0.525	0.78182
107	GLOBAL	Cartesian	0.7	0.525	0.58636
108	GLOBAL	Cartesian	0.7	0.525	0.39091
109	GLOBAL	Cartesian	0.7	0.525	0.19545
110	GLOBAL	Cartesian	0.7	0.525	0.
111	GLOBAL	Cartesian	0.7	0.7	1.95455
112	GLOBAL	Cartesian	0.7	0.7	1.75909
113	GLOBAL	Cartesian	0.7	0.7	1.56364
114	GLOBAL	Cartesian	0.7	0.7	1.36818
115	GLOBAL	Cartesian	0.7	0.7	1.17273
116	GLOBAL	Cartesian	0.7	0.7	0.97727
117	GLOBAL	Cartesian	0.7	0.7	0.78182
118	GLOBAL	Cartesian	0.7	0.7	0.58636
119	GLOBAL	Cartesian	0.7	0.7	0.39091
120	GLOBAL	Cartesian	0.7	0.7	0.19545
121	GLOBAL	Cartesian	0.175	0.	2.15
122	GLOBAL	Cartesian	0.175	0.	1.95455
123	GLOBAL	Cartesian	0.175	0.	1.75909
124	GLOBAL	Cartesian	0.175	0.	1.56364
125	GLOBAL	Cartesian	0.175	0.	1.36818
126	GLOBAL	Cartesian	0.175	0.	1.17273
127	GLOBAL	Cartesian	0.175	0.	0.97727
128	GLOBAL	Cartesian	0.175	0.	0.78182
129	GLOBAL	Cartesian	0.175	0.	0.58636
130	GLOBAL	Cartesian	0.175	0.	0.39091
131	GLOBAL	Cartesian	0.175	0.	0.19545
132	GLOBAL	Cartesian	0.175	0.	0.
133	GLOBAL	Cartesian	0.35	0.	2.15

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	GlobalX	GlobalY	GlobalZ
			m	m	m
134	GLOBAL	Cartesian	0.35	0.	1.95455
135	GLOBAL	Cartesian	0.35	0.	1.75909
136	GLOBAL	Cartesian	0.35	0.	1.56364
137	GLOBAL	Cartesian	0.35	0.	1.36818
138	GLOBAL	Cartesian	0.35	0.	1.17273
139	GLOBAL	Cartesian	0.35	0.	0.97727
140	GLOBAL	Cartesian	0.35	0.	0.78182
141	GLOBAL	Cartesian	0.35	0.	0.58636
142	GLOBAL	Cartesian	0.35	0.	0.39091
143	GLOBAL	Cartesian	0.35	0.	0.19545
144	GLOBAL	Cartesian	0.35	0.	0.
145	GLOBAL	Cartesian	0.525	0.	2.15
146	GLOBAL	Cartesian	0.525	0.	1.95455
147	GLOBAL	Cartesian	0.525	0.	1.75909
148	GLOBAL	Cartesian	0.525	0.	1.56364
149	GLOBAL	Cartesian	0.525	0.	1.36818
150	GLOBAL	Cartesian	0.525	0.	1.17273
151	GLOBAL	Cartesian	0.525	0.	0.97727
152	GLOBAL	Cartesian	0.525	0.	0.78182
153	GLOBAL	Cartesian	0.525	0.	0.58636
154	GLOBAL	Cartesian	0.525	0.	0.39091
155	GLOBAL	Cartesian	0.525	0.	0.19545
156	GLOBAL	Cartesian	0.525	0.	0.
157	GLOBAL	Cartesian	0.175	0.7	2.15
158	GLOBAL	Cartesian	0.175	0.7	1.95455
159	GLOBAL	Cartesian	0.175	0.7	1.75909
160	GLOBAL	Cartesian	0.175	0.7	1.56364
161	GLOBAL	Cartesian	0.175	0.7	1.36818
162	GLOBAL	Cartesian	0.175	0.7	1.17273
163	GLOBAL	Cartesian	0.175	0.7	0.97727
164	GLOBAL	Cartesian	0.175	0.7	0.78182
165	GLOBAL	Cartesian	0.175	0.7	0.58636
166	GLOBAL	Cartesian	0.175	0.7	0.39091
167	GLOBAL	Cartesian	0.175	0.7	0.19545
168	GLOBAL	Cartesian	0.175	0.7	0.
169	GLOBAL	Cartesian	0.35	0.7	2.15
170	GLOBAL	Cartesian	0.35	0.7	1.95455
171	GLOBAL	Cartesian	0.35	0.7	1.75909
172	GLOBAL	Cartesian	0.35	0.7	1.56364
173	GLOBAL	Cartesian	0.35	0.7	1.36818
174	GLOBAL	Cartesian	0.35	0.7	1.17273
175	GLOBAL	Cartesian	0.35	0.7	0.97727
176	GLOBAL	Cartesian	0.35	0.7	0.78182
177	GLOBAL	Cartesian	0.35	0.7	0.58636
178	GLOBAL	Cartesian	0.35	0.7	0.39091
179	GLOBAL	Cartesian	0.35	0.7	0.19545
180	GLOBAL	Cartesian	0.35	0.7	0.
181	GLOBAL	Cartesian	0.525	0.7	2.15
182	GLOBAL	Cartesian	0.525	0.7	1.95455
183	GLOBAL	Cartesian	0.525	0.7	1.75909
184	GLOBAL	Cartesian	0.525	0.7	1.56364
185	GLOBAL	Cartesian	0.525	0.7	1.36818
186	GLOBAL	Cartesian	0.525	0.7	1.17273
187	GLOBAL	Cartesian	0.525	0.7	0.97727

Table 1: Joint Coordinates

Joint	CoordSys	CoordType	GlobalX	GlobalY	GlobalZ
			m	m	m
188	GLOBAL	Cartesian	0.525	0.7	0.78182
189	GLOBAL	Cartesian	0.525	0.7	0.58636
190	GLOBAL	Cartesian	0.525	0.7	0.39091
191	GLOBAL	Cartesian	0.525	0.7	0.19545
192	GLOBAL	Cartesian	0.525	0.7	0.
193	GLOBAL	Cartesian	0.175	0.525	0.
194	GLOBAL	Cartesian	0.175	0.35	0.
195	GLOBAL	Cartesian	0.175	0.175	0.
196	GLOBAL	Cartesian	0.35	0.525	0.
197	GLOBAL	Cartesian	0.35	0.35	0.
198	GLOBAL	Cartesian	0.35	0.175	0.
199	GLOBAL	Cartesian	0.525	0.525	0.
200	GLOBAL	Cartesian	0.525	0.35	0.
201	GLOBAL	Cartesian	0.525	0.175	0.

1.2. Joint restraints

Table 2: Joint Restraint Assignments

Table 2: Joint Restraint Assignments

Joint	U1	U2	U3	R1	R2	R3
1	Yes	Yes	Yes	No	No	No
2	Yes	Yes	Yes	No	No	No
3	Yes	Yes	Yes	No	No	No
4	Yes	Yes	Yes	No	No	No

1.3. Element connectivity

Table 3: Connectivity - Area

Table 3: Connectivity - Area

Area	Joint1	Joint2	Joint3	Joint4
6	5	9	10	11
7	11	10	12	13
8	13	12	14	15
9	15	14	16	17
10	17	16	18	19
11	19	18	20	21
12	21	20	22	23
13	23	22	24	25
14	25	24	26	27
15	27	26	28	29
16	29	28	30	4
17	9	31	32	10
18	10	32	33	12
19	12	33	34	14

Table 3: Connectivity - Area

Area	Joint1	Joint2	Joint3	Joint4
20	14	34	35	16
21	16	35	36	18
22	18	36	37	20
23	20	37	38	22
24	22	38	39	24
25	24	39	40	26
26	26	40	41	28
27	28	41	42	30
28	31	43	44	32
29	32	44	45	33
30	33	45	46	34
31	34	46	47	35
32	35	47	48	36
33	36	48	49	37
34	37	49	50	38
35	38	50	51	39
36	39	51	52	40
37	40	52	53	41
38	41	53	54	42
39	43	6	55	44
40	44	55	56	45
41	45	56	57	46
42	46	57	58	47
43	47	58	59	48
44	48	59	60	49
45	49	60	61	50
46	50	61	62	51
47	51	62	63	52
48	52	63	64	53
49	53	64	1	54
50	7	67	66	65
51	67	69	68	66
52	69	71	70	68
53	71	73	72	70
54	73	75	74	72
55	75	77	76	74
56	77	79	78	76
57	79	81	80	78
58	81	83	82	80
59	83	85	84	82
60	85	3	86	84
61	65	66	88	87
62	66	68	89	88
63	68	70	90	89
64	70	72	91	90
65	72	74	92	91
66	74	76	93	92
67	76	78	94	93
68	78	80	95	94
69	80	82	96	95
70	82	84	97	96
71	84	86	98	97
72	87	88	100	99
73	88	89	101	100

Table 3: Connectivity - Area

Area	Joint1	Joint2	Joint3	Joint4
74	89	90	102	101
75	90	91	103	102
76	91	92	104	103
77	92	93	105	104
78	93	94	106	105
79	94	95	107	106
80	95	96	108	107
81	96	97	109	108
82	97	98	110	109
83	99	100	111	8
84	100	101	112	111
85	101	102	113	112
86	102	103	114	113
87	103	104	115	114
88	104	105	116	115
89	105	106	117	116
90	106	107	118	117
91	107	108	119	118
92	108	109	120	119
93	109	110	2	120
94	5	11	122	121
95	11	13	123	122
96	13	15	124	123
97	15	17	125	124
98	17	19	126	125
99	19	21	127	126
100	21	23	128	127
101	23	25	129	128
102	25	27	130	129
103	27	29	131	130
104	29	4	132	131
105	121	122	134	133
106	122	123	135	134
107	123	124	136	135
108	124	125	137	136
109	125	126	138	137
110	126	127	139	138
111	127	128	140	139
112	128	129	141	140
113	129	130	142	141
114	130	131	143	142
115	131	132	144	143
116	133	134	146	145
117	134	135	147	146
118	135	136	148	147
119	136	137	149	148
120	137	138	150	149
121	138	139	151	150
122	139	140	152	151
123	140	141	153	152
124	141	142	154	153
125	142	143	155	154
126	143	144	156	155
127	145	146	67	7

Table 3: Connectivity - Area

Area	Joint1	Joint2	Joint3	Joint4
128	146	147	69	67
129	147	148	71	69
130	148	149	73	71
131	149	150	75	73
132	150	151	77	75
133	151	152	79	77
134	152	153	81	79
135	153	154	83	81
136	154	155	85	83
137	155	156	3	85
138	6	157	158	55
139	55	158	159	56
140	56	159	160	57
141	57	160	161	58
142	58	161	162	59
143	59	162	163	60
144	60	163	164	61
145	61	164	165	62
146	62	165	166	63
147	63	166	167	64
148	64	167	168	1
149	157	169	170	158
150	158	170	171	159
151	159	171	172	160
152	160	172	173	161
153	161	173	174	162
154	162	174	175	163
155	163	175	176	164
156	164	176	177	165
157	165	177	178	166
158	166	178	179	167
159	167	179	180	168
160	169	181	182	170
161	170	182	183	171
162	171	183	184	172
163	172	184	185	173
164	173	185	186	174
165	174	186	187	175
166	175	187	188	176
167	176	188	189	177
168	177	189	190	178
169	178	190	191	179
170	179	191	192	180
171	181	8	111	182
172	182	111	112	183
173	183	112	113	184
174	184	113	114	185
175	185	114	115	186
176	186	115	116	187
177	187	116	117	188
178	188	117	118	189
179	189	118	119	190
180	190	119	120	191
181	191	120	2	192

Table 3: Connectivity - Area

Area	Joint1	Joint2	Joint3	Joint4
182	1	168	193	54
183	54	193	194	42
184	42	194	195	30
185	30	195	132	4
186	168	180	196	193
187	193	196	197	194
188	194	197	198	195
189	195	198	144	132
190	180	192	199	196
191	196	199	200	197
192	197	200	201	198
193	198	201	156	144
194	192	2	110	199
195	199	110	98	200
196	200	98	86	201
197	201	86	3	156

Table 4: Area Section Assignments

Table 4: Area Section Assignments

Area	Section	MatProp
6	Muros	Default
7	Muros	Default
8	Muros	Default
9	Muros	Default
10	Muros	Default
11	Muros	Default
12	Muros	Default
13	Muros	Default
14	Muros	Default
15	Muros	Default
16	Muros	Default
17	Muros	Default
18	Muros	Default
19	Muros	Default
20	Muros	Default
21	Muros	Default
22	Muros	Default
23	Muros	Default
24	Muros	Default
25	Muros	Default
26	Muros	Default
27	Muros	Default
28	Muros	Default
29	Muros	Default
30	Muros	Default
31	Muros	Default
32	Muros	Default
33	Muros	Default
34	Muros	Default
35	Muros	Default

Table 4: Area Section Assignments

Area	Section	MatProp
36	Muros	Default
37	Muros	Default
38	Muros	Default
39	Muros	Default
40	Muros	Default
41	Muros	Default
42	Muros	Default
43	Muros	Default
44	Muros	Default
45	Muros	Default
46	Muros	Default
47	Muros	Default
48	Muros	Default
49	Muros	Default
50	Muros	Default
51	Muros	Default
52	Muros	Default
53	Muros	Default
54	Muros	Default
55	Muros	Default
56	Muros	Default
57	Muros	Default
58	Muros	Default
59	Muros	Default
60	Muros	Default
61	Muros	Default
62	Muros	Default
63	Muros	Default
64	Muros	Default
65	Muros	Default
66	Muros	Default
67	Muros	Default
68	Muros	Default
69	Muros	Default
70	Muros	Default
71	Muros	Default
72	Muros	Default
73	Muros	Default
74	Muros	Default
75	Muros	Default
76	Muros	Default
77	Muros	Default
78	Muros	Default
79	Muros	Default
80	Muros	Default
81	Muros	Default
82	Muros	Default
83	Muros	Default
84	Muros	Default
85	Muros	Default
86	Muros	Default
87	Muros	Default
88	Muros	Default
89	Muros	Default

Table 4: Area Section Assignments

Area	Section	MatProp
90	Muros	Default
91	Muros	Default
92	Muros	Default
93	Muros	Default
94	Muros	Default
95	Muros	Default
96	Muros	Default
97	Muros	Default
98	Muros	Default
99	Muros	Default
100	Muros	Default
101	Muros	Default
102	Muros	Default
103	Muros	Default
104	Muros	Default
105	Muros	Default
106	Muros	Default
107	Muros	Default
108	Muros	Default
109	Muros	Default
110	Muros	Default
111	Muros	Default
112	Muros	Default
113	Muros	Default
114	Muros	Default
115	Muros	Default
116	Muros	Default
117	Muros	Default
118	Muros	Default
119	Muros	Default
120	Muros	Default
121	Muros	Default
122	Muros	Default
123	Muros	Default
124	Muros	Default
125	Muros	Default
126	Muros	Default
127	Muros	Default
128	Muros	Default
129	Muros	Default
130	Muros	Default
131	Muros	Default
132	Muros	Default
133	Muros	Default
134	Muros	Default
135	Muros	Default
136	Muros	Default
137	Muros	Default
138	Muros	Default
139	Muros	Default
140	Muros	Default
141	Muros	Default
142	Muros	Default
143	Muros	Default

Table 4: Area Section Assignments

Area	Section	MatProp
144	Muros	Default
145	Muros	Default
146	Muros	Default
147	Muros	Default
148	Muros	Default
149	Muros	Default
150	Muros	Default
151	Muros	Default
152	Muros	Default
153	Muros	Default
154	Muros	Default
155	Muros	Default
156	Muros	Default
157	Muros	Default
158	Muros	Default
159	Muros	Default
160	Muros	Default
161	Muros	Default
162	Muros	Default
163	Muros	Default
164	Muros	Default
165	Muros	Default
166	Muros	Default
167	Muros	Default
168	Muros	Default
169	Muros	Default
170	Muros	Default
171	Muros	Default
172	Muros	Default
173	Muros	Default
174	Muros	Default
175	Muros	Default
176	Muros	Default
177	Muros	Default
178	Muros	Default
179	Muros	Default
180	Muros	Default
181	Muros	Default
182	Losa de Fondo	Default
183	Losa de Fondo	Default
184	Losa de Fondo	Default
185	Losa de Fondo	Default
186	Losa de Fondo	Default
187	Losa de Fondo	Default
188	Losa de Fondo	Default
189	Losa de Fondo	Default
190	Losa de Fondo	Default
191	Losa de Fondo	Default
192	Losa de Fondo	Default
193	Losa de Fondo	Default
194	Losa de Fondo	Default
195	Losa de Fondo	Default
196	Losa de Fondo	Default
197	Losa de Fondo	Default

2. Material properties

This section provides material property information for materials used in the model.

Table 5: Material Properties 02 - Basic Mechanical Properties

Table 5: Material Properties 02 - Basic Mechanical Properties

Material	UnitWeight KN/m3	UnitMass KN-s2/m4	E1 KN/m2	G12 KN/m2	U12	A1 1/C
3000Psi	2.3563E+01	2.4028E+00	17872045.21	7446685.5	0.2	9.9000E-06
4000Psi	2.3563E+01	2.4028E+00	24855578.06	10356490.86	0.2	9.9000E-06
A992Fy50	7.6973E+01	7.8490E+00	199947978.8	76903068.77	0.3	1.1700E-05

Table 6: Material Properties 03a - Steel Data

Table 6: Material Properties 03a - Steel Data

Material	Fy KN/m2	Fu KN/m2	FinalSlope	CoupModType
A992Fy50	344737.89	448159.26	-0.1	Von Mises

Table 7: Material Properties 03b - Concrete Data

Table 7: Material Properties 03b - Concrete Data

Material	Fc KN/m2	eFc KN/m2	FinalSlope	CoupModType
3000Psi	21000.	21000.	-0.1	Modified Darwin-Peck nold
4000Psi	27579.03	27579.03	-0.1	Modified Darwin-Peck nold

3. Section properties

This section provides section property information for objects used in the model.

3.1. Areas

Table 8: Area Section Properties, Part 1 of 3

Table 8: Area Section Properties, Part 1 of 3

Section	Material	AreaType	Type	DrillDOF	Thickness	BendThick	F11Mod
					m	m	
Losa de Fondo	3000Psi	Shell	Shell-Thick	Yes	0.2	0.2	1.
Muros	3000Psi	Shell	Shell-Thick	Yes	0.2	0.2	1.

Table 8: Area Section Properties, Part 2 of 3

Table 8: Area Section Properties, Part 2 of 3

Section	F22Mod	F12Mod	M11Mod	M22Mod	M12Mod	V13Mod	V23Mod
Losa de Fondo	1.	1.	1.	1.	1.	1.	1.
Muros	1.	1.	1.	1.	1.	1.	1.

Table 8: Area Section Properties, Part 3 of 3

Table 8: Area Section Properties, Part 3 of 3

Section	MMod	WMod
Losa de Fondo	1.	1.
Muros	1.	1.

4. Load patterns

This section provides loading information as applied to the model.

4.1. Definitions

Table 9: Load Pattern Definitions

Table 9: Load Pattern Definitions

LoadPat	DesignType	SelfWtMult	AutoLoad
DEAD	Dead	1.	
EH	Other	0.	

5. Load cases

This section provides load case information.

5.1. Definitions

Table 10: Load Case Definitions, Part 1 of 2

Table 10: Load Case Definitions, Part 1 of 2

Case	Type	InitialCond	ModalCase	BaseCase	MassSource	DesActOpt
DEAD	LinStatic	Zero				Prog Det
MODAL	LinModal	Zero				Prog Det
EH	LinStatic	Zero				Prog Det

Table 10: Load Case Definitions, Part 2 of 2

Table 10: Load Case Definitions, Part 2 of 2

Case	DesignAct
DEAD	Non-Composite
MODAL	Other
EH	Other

5.2. Static case load assignments

Table 11: Case - Static 1 - Load Assignments

Table 11: Case - Static 1 - Load Assignments

Case	LoadType	LoadName	LoadSF
DEAD	Load pattern	DEAD	1.
EH	Load pattern	EH	1.

5.3. Response spectrum case load assignments

Table 12: Function - Response Spectrum - User

Table 12: Function - Response Spectrum - User

Name	Period	Accel	FuncDamp
	Sec		
UNIFRS	0.	1.	0.05
UNIFRS	1.	1.	

6. Load combinations

This section provides load combination information.

Table 13: Combination Definitions

Table 13: Combination Definitions

ComboName	ComboType	CaseName	ScaleFactor
COMB1	Linear Add	DEAD	1.2
COMB1		EH	1.6
COMB2	Linear Add	DEAD	0.9
COMB2		EH	1.6
COMB3	Envelope	COMB1	1.
COMB3		COMB2	1.

7. Structure results

This section provides structure results, including items such as structural periods and base reactions.

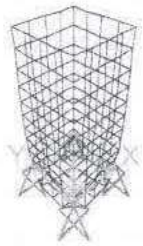


Figure 2: Deformed shape

7.1. Mass summary

Table 14: Assembled Joint Masses, Part 1 of 2

Table 14: Assembled Joint Masses, Part 1 of 2

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	m
1	MSSSRC1	1.190E-02	1.190E-02	1.190E-02	0.	0.	0.	0.
2	MSSSRC1	1.190E-02	1.190E-02	1.190E-02	0.	0.	0.	0.7
3	MSSSRC1	1.190E-02	1.190E-02	1.190E-02	0.	0.	0.	0.7
4	MSSSRC1	1.190E-02	1.190E-02	1.190E-02	0.	0.	0.	0.
5	MSSSRC1	8.219E-03	8.219E-03	8.219E-03	0.	0.	0.	0.
6	MSSSRC1	8.219E-03	8.219E-03	8.219E-03	0.	0.	0.	0.
7	MSSSRC1	8.219E-03	8.219E-03	8.219E-03	0.	0.	0.	0.7
8	MSSSRC1	8.219E-03	8.219E-03	8.219E-03	0.	0.	0.	0.7
9	MSSSRC1	8.219E-03	8.219E-03	8.219E-03	0.	0.	0.	0.
10	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
11	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
12	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
13	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
14	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
15	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
16	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
17	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
18	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
19	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
20	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
21	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
22	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
23	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
24	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
25	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
26	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
27	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
28	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
29	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
30	MSSSRC1	1.558E-02	1.558E-02	1.558E-02	0.	0.	0.	0.
31	MSSSRC1	8.219E-03	8.219E-03	8.219E-03	0.	0.	0.	0.
32	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
33	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.

Table 14: Assembled Joint Masses, Part 1 of 2

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	m
34	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
35	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
36	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
37	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
38	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
39	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
40	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
41	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
42	MSSSRC1	1.558E-02	1.558E-02	1.558E-02	0.	0.	0.	0.
43	MSSSRC1	8.219E-03	8.219E-03	8.219E-03	0.	0.	0.	0.
44	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
45	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
46	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
47	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
48	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
49	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
50	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
51	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
52	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
53	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
54	MSSSRC1	1.558E-02	1.558E-02	1.558E-02	0.	0.	0.	0.
55	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
56	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
57	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
58	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
59	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
60	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
61	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
62	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
63	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
64	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.
65	MSSSRC1	8.219E-03	8.219E-03	8.219E-03	0.	0.	0.	0.7
66	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
67	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
68	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
69	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
70	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
71	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
72	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
73	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
74	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
75	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
76	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
77	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
78	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
79	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
80	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
81	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
82	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
83	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
84	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
85	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
86	MSSSRC1	1.558E-02	1.558E-02	1.558E-02	0.	0.	0.	0.7
87	MSSSRC1	8.219E-03	8.219E-03	8.219E-03	0.	0.	0.	0.7

Table 14: Assembled Joint Masses, Part 1 of 2

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	m
88	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
89	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
90	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
91	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
92	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
93	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
94	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
95	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
96	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
97	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
98	MSSSRC1	1.558E-02	1.558E-02	1.558E-02	0.	0.	0.	0.7
99	MSSSRC1	8.219E-03	8.219E-03	8.219E-03	0.	0.	0.	0.7
100	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
101	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
102	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
103	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
104	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
105	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
106	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
107	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
108	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
109	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
110	MSSSRC1	1.558E-02	1.558E-02	1.558E-02	0.	0.	0.	0.7
111	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
112	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
113	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
114	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
115	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
116	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
117	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
118	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
119	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
120	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.7
121	MSSSRC1	8.219E-03	8.219E-03	8.219E-03	0.	0.	0.	0.175
122	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.175
123	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.175
124	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.175
125	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.175
126	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.175
127	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.175
128	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.175
129	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.175
130	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.175
131	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.175
132	MSSSRC1	1.558E-02	1.558E-02	1.558E-02	0.	0.	0.	0.175
133	MSSSRC1	8.219E-03	8.219E-03	8.219E-03	0.	0.	0.	0.35
134	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.35
135	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.35
136	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.35
137	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.35
138	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.35
139	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.35
140	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.35
141	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.35

Table 14: Assembled Joint Masses, Part 1 of 2

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	m
142	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.35
143	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.35
144	MSSSRC1	1.558E-02	1.558E-02	1.558E-02	0.	0.	0.	0.35
145	MSSSRC1	8.219E-03	8.219E-03	8.219E-03	0.	0.	0.	0.525
146	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.525
147	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.525
148	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.525
149	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.525
150	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.525
151	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.525
152	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.525
153	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.525
154	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.525
155	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.525
156	MSSSRC1	1.558E-02	1.558E-02	1.558E-02	0.	0.	0.	0.525
157	MSSSRC1	8.219E-03	8.219E-03	8.219E-03	0.	0.	0.	0.175
158	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.175
159	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.175
160	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.175
161	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.175
162	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.175
163	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.175
164	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.175
165	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.175
166	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.175
167	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.175
168	MSSSRC1	1.558E-02	1.558E-02	1.558E-02	0.	0.	0.	0.175
169	MSSSRC1	8.219E-03	8.219E-03	8.219E-03	0.	0.	0.	0.35
170	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.35
171	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.35
172	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.35
173	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.35
174	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.35
175	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.35
176	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.35
177	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.35
178	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.35
179	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.35
180	MSSSRC1	1.558E-02	1.558E-02	1.558E-02	0.	0.	0.	0.35
181	MSSSRC1	8.219E-03	8.219E-03	8.219E-03	0.	0.	0.	0.525
182	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.525
183	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.525
184	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.525
185	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.525
186	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.525
187	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.525
188	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.525
189	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.525
190	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.525
191	MSSSRC1	1.644E-02	1.644E-02	1.644E-02	0.	0.	0.	0.525
192	MSSSRC1	1.558E-02	1.558E-02	1.558E-02	0.	0.	0.	0.525
193	MSSSRC1	1.472E-02	1.472E-02	1.472E-02	0.	0.	0.	0.175
194	MSSSRC1	1.472E-02	1.472E-02	1.472E-02	0.	0.	0.	0.175
195	MSSSRC1	1.472E-02	1.472E-02	1.472E-02	0.	0.	0.	0.175

Table 14: Assembled Joint Masses, Part 1 of 2

Joint	MassSource	U1	U2	U3	R1	R2	R3	CenterX
		KN-s2/m	KN-s2/m	KN-s2/m	KN-m-s2	KN-m-s2	KN-m-s2	m
196	MSSSRC1	1.472E-02	1.472E-02	1.472E-02	0.	0.	0.	0.35
197	MSSSRC1	1.472E-02	1.472E-02	1.472E-02	0.	0.	0.	0.35
198	MSSSRC1	1.472E-02	1.472E-02	1.472E-02	0.	0.	0.	0.35
199	MSSSRC1	1.472E-02	1.472E-02	1.472E-02	0.	0.	0.	0.525
200	MSSSRC1	1.472E-02	1.472E-02	1.472E-02	0.	0.	0.	0.525
201	MSSSRC1	1.472E-02	1.472E-02	1.472E-02	0.	0.	0.	0.525
SumAccelUX	MSSSRC1	3.13	0.	0.	0.	0.	0.	0.35
SumAccelUY	MSSSRC1	0.	3.13	0.	0.	0.	0.	0.35
SumAccelUZ	MSSSRC1	0.	0.	3.13	0.	0.	0.	0.35

Table 14: Assembled Joint Masses, Part 2 of 2

Table 14: Assembled Joint Masses, Part 2 of 2

Joint	MassSource	CenterY	CenterZ
		m	m
1	MSSSRC1	0.7	0.
2	MSSSRC1	0.7	0.
3	MSSSRC1	0.	0.
4	MSSSRC1	0.	0.
5	MSSSRC1	0.	2.15
6	MSSSRC1	0.7	2.15
7	MSSSRC1	0.	2.15
8	MSSSRC1	0.7	2.15
9	MSSSRC1	0.175	2.15
10	MSSSRC1	0.175	1.95455
11	MSSSRC1	0.	1.95455
12	MSSSRC1	0.175	1.75909
13	MSSSRC1	0.	1.75909
14	MSSSRC1	0.175	1.56364
15	MSSSRC1	0.	1.56364
16	MSSSRC1	0.175	1.36818
17	MSSSRC1	0.	1.36818
18	MSSSRC1	0.175	1.17273
19	MSSSRC1	0.	1.17273
20	MSSSRC1	0.175	0.97727
21	MSSSRC1	0.	0.97727
22	MSSSRC1	0.175	0.78182
23	MSSSRC1	0.	0.78182
24	MSSSRC1	0.175	0.58636
25	MSSSRC1	0.	0.58636
26	MSSSRC1	0.175	0.39091
27	MSSSRC1	0.	0.39091
28	MSSSRC1	0.175	0.19545
29	MSSSRC1	0.	0.19545
30	MSSSRC1	0.175	0.
31	MSSSRC1	0.35	2.15
32	MSSSRC1	0.35	1.95455
33	MSSSRC1	0.35	1.75909
34	MSSSRC1	0.35	1.56364
35	MSSSRC1	0.35	1.36818
36	MSSSRC1	0.35	1.17273
37	MSSSRC1	0.35	0.97727
38	MSSSRC1	0.35	0.78182

Table 14: Assembled Joint Masses, Part 2 of 2

Joint	MassSource	CenterY	CenterZ
		m	m
39	MSSSRC1	0.35	0.58636
40	MSSSRC1	0.35	0.39091
41	MSSSRC1	0.35	0.19545
42	MSSSRC1	0.35	0.
43	MSSSRC1	0.525	2.15
44	MSSSRC1	0.525	1.95455
45	MSSSRC1	0.525	1.75909
46	MSSSRC1	0.525	1.56364
47	MSSSRC1	0.525	1.36818
48	MSSSRC1	0.525	1.17273
49	MSSSRC1	0.525	0.97727
50	MSSSRC1	0.525	0.78182
51	MSSSRC1	0.525	0.58636
52	MSSSRC1	0.525	0.39091
53	MSSSRC1	0.525	0.19545
54	MSSSRC1	0.525	0.
55	MSSSRC1	0.7	1.95455
56	MSSSRC1	0.7	1.75909
57	MSSSRC1	0.7	1.56364
58	MSSSRC1	0.7	1.36818
59	MSSSRC1	0.7	1.17273
60	MSSSRC1	0.7	0.97727
61	MSSSRC1	0.7	0.78182
62	MSSSRC1	0.7	0.58636
63	MSSSRC1	0.7	0.39091
64	MSSSRC1	0.7	0.19545
65	MSSSRC1	0.175	2.15
66	MSSSRC1	0.175	1.95455
67	MSSSRC1	0.	1.95455
68	MSSSRC1	0.175	1.75909
69	MSSSRC1	0.	1.75909
70	MSSSRC1	0.175	1.56364
71	MSSSRC1	0.	1.56364
72	MSSSRC1	0.175	1.36818
73	MSSSRC1	0.	1.36818
74	MSSSRC1	0.175	1.17273
75	MSSSRC1	0.	1.17273
76	MSSSRC1	0.175	0.97727
77	MSSSRC1	0.	0.97727
78	MSSSRC1	0.175	0.78182
79	MSSSRC1	0.	0.78182
80	MSSSRC1	0.175	0.58636
81	MSSSRC1	0.	0.58636
82	MSSSRC1	0.175	0.39091
83	MSSSRC1	0.	0.39091
84	MSSSRC1	0.175	0.19545
85	MSSSRC1	0.	0.19545
86	MSSSRC1	0.175	0.
87	MSSSRC1	0.35	2.15
88	MSSSRC1	0.35	1.95455
89	MSSSRC1	0.35	1.75909
90	MSSSRC1	0.35	1.56364
91	MSSSRC1	0.35	1.36818
92	MSSSRC1	0.35	1.17273

Table 14: Assembled Joint Masses, Part 2 of 2

Joint	MassSource	CenterY	CenterZ
		m	m
93	MSSSRC1	0.35	0.97727
94	MSSSRC1	0.35	0.78182
95	MSSSRC1	0.35	0.58636
96	MSSSRC1	0.35	0.39091
97	MSSSRC1	0.35	0.19545
98	MSSSRC1	0.35	0.
99	MSSSRC1	0.525	2.15
100	MSSSRC1	0.525	1.95455
101	MSSSRC1	0.525	1.75909
102	MSSSRC1	0.525	1.56364
103	MSSSRC1	0.525	1.36818
104	MSSSRC1	0.525	1.17273
105	MSSSRC1	0.525	0.97727
106	MSSSRC1	0.525	0.78182
107	MSSSRC1	0.525	0.58636
108	MSSSRC1	0.525	0.39091
109	MSSSRC1	0.525	0.19545
110	MSSSRC1	0.525	0.
111	MSSSRC1	0.7	1.95455
112	MSSSRC1	0.7	1.75909
113	MSSSRC1	0.7	1.56364
114	MSSSRC1	0.7	1.36818
115	MSSSRC1	0.7	1.17273
116	MSSSRC1	0.7	0.97727
117	MSSSRC1	0.7	0.78182
118	MSSSRC1	0.7	0.58636
119	MSSSRC1	0.7	0.39091
120	MSSSRC1	0.7	0.19545
121	MSSSRC1	0.	2.15
122	MSSSRC1	0.	1.95455
123	MSSSRC1	0.	1.75909
124	MSSSRC1	0.	1.56364
125	MSSSRC1	0.	1.36818
126	MSSSRC1	0.	1.17273
127	MSSSRC1	0.	0.97727
128	MSSSRC1	0.	0.78182
129	MSSSRC1	0.	0.58636
130	MSSSRC1	0.	0.39091
131	MSSSRC1	0.	0.19545
132	MSSSRC1	0.	0.
133	MSSSRC1	0.	2.15
134	MSSSRC1	0.	1.95455
135	MSSSRC1	0.	1.75909
136	MSSSRC1	0.	1.56364
137	MSSSRC1	0.	1.36818
138	MSSSRC1	0.	1.17273
139	MSSSRC1	0.	0.97727
140	MSSSRC1	0.	0.78182
141	MSSSRC1	0.	0.58636
142	MSSSRC1	0.	0.39091
143	MSSSRC1	0.	0.19545
144	MSSSRC1	0.	0.
145	MSSSRC1	0.	2.15
146	MSSSRC1	0.	1.95455

Table 14: Assembled Joint Masses, Part 2 of 2

Joint	MassSource	CenterY	CenterZ
		m	m
147	MSSSRC1	0.	1.75909
148	MSSSRC1	0.	1.56364
149	MSSSRC1	0.	1.36818
150	MSSSRC1	0.	1.17273
151	MSSSRC1	0.	0.97727
152	MSSSRC1	0.	0.78182
153	MSSSRC1	0.	0.58636
154	MSSSRC1	0.	0.39091
155	MSSSRC1	0.	0.19545
156	MSSSRC1	0.	0.
157	MSSSRC1	0.7	2.15
158	MSSSRC1	0.7	1.95455
159	MSSSRC1	0.7	1.75909
160	MSSSRC1	0.7	1.56364
161	MSSSRC1	0.7	1.36818
162	MSSSRC1	0.7	1.17273
163	MSSSRC1	0.7	0.97727
164	MSSSRC1	0.7	0.78182
165	MSSSRC1	0.7	0.58636
166	MSSSRC1	0.7	0.39091
167	MSSSRC1	0.7	0.19545
168	MSSSRC1	0.7	0.
169	MSSSRC1	0.7	2.15
170	MSSSRC1	0.7	1.95455
171	MSSSRC1	0.7	1.75909
172	MSSSRC1	0.7	1.56364
173	MSSSRC1	0.7	1.36818
174	MSSSRC1	0.7	1.17273
175	MSSSRC1	0.7	0.97727
176	MSSSRC1	0.7	0.78182
177	MSSSRC1	0.7	0.58636
178	MSSSRC1	0.7	0.39091
179	MSSSRC1	0.7	0.19545
180	MSSSRC1	0.7	0.
181	MSSSRC1	0.7	2.15
182	MSSSRC1	0.7	1.95455
183	MSSSRC1	0.7	1.75909
184	MSSSRC1	0.7	1.56364
185	MSSSRC1	0.7	1.36818
186	MSSSRC1	0.7	1.17273
187	MSSSRC1	0.7	0.97727
188	MSSSRC1	0.7	0.78182
189	MSSSRC1	0.7	0.58636
190	MSSSRC1	0.7	0.39091
191	MSSSRC1	0.7	0.19545
192	MSSSRC1	0.7	0.
193	MSSSRC1	0.525	0.
194	MSSSRC1	0.35	0.
195	MSSSRC1	0.175	0.
196	MSSSRC1	0.525	0.
197	MSSSRC1	0.35	0.
198	MSSSRC1	0.175	0.
199	MSSSRC1	0.525	0.
200	MSSSRC1	0.35	0.

Table 14: Assembled Joint Masses, Part 2 of 2

Joint	MassSource	CenterY	CenterZ
		m	m
201	MSSSRC1	0.175	0.
SumAccelUX	MSSSRC1	0.35	0.99409
SumAccelUY	MSSSRC1	0.35	0.99409
SumAccelUZ	MSSSRC1	0.35	0.99409

7.2. Base reactions

Table 15: Base Reactions

Table 15: Base Reactions

OutputCase	StepType	GlobalFX	GlobalFY	GlobalFZ	GlobalMX	GlobalMY	GlobalMZ
		KN	KN	KN	KN-m	KN-m	KN-m
DEAD		-7.910E-16	-4.219E-15	30.679	10.7377	-10.7377	2.581E-14
EH		-9.354E-15	4.774E-15	-6.664	-2.3324	2.3324	-2.370E-14

8. Joint results

This section provides joint results, including items such as displacements and reactions.

Table 16: Joint Displacements, Part 1 of 2

Table 16: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
1	DEAD		0.	0.	0.	4.718E-06	4.718E-06
1	EH		0.	0.	0.	-6.711E-07	-6.711E-07
2	DEAD		0.	0.	0.	4.718E-06	-4.718E-06
2	EH		0.	0.	0.	-6.711E-07	6.711E-07
3	DEAD		0.	0.	0.	-4.718E-06	-4.718E-06
3	EH		0.	0.	0.	6.711E-07	6.711E-07
4	DEAD		0.	0.	0.	-4.718E-06	4.718E-06
4	EH		0.	0.	0.	6.711E-07	-6.711E-07
5	DEAD		-2.572E-09	-2.572E-09	-4.835E-06	-4.487E-08	4.487E-08
5	EH		-5.016E-09	-5.016E-09	6.062E-07	4.109E-07	-4.109E-07
6	DEAD		-2.572E-09	2.572E-09	-4.835E-06	4.487E-08	4.487E-08
6	EH		-5.016E-09	5.016E-09	6.062E-07	-4.109E-07	-4.109E-07
7	DEAD		2.572E-09	-2.572E-09	-4.835E-06	-4.487E-08	-4.487E-08
7	EH		5.016E-09	-5.016E-09	6.062E-07	4.109E-07	4.109E-07
8	DEAD		2.572E-09	2.572E-09	-4.835E-06	4.487E-08	-4.487E-08
8	EH		5.016E-09	5.016E-09	6.062E-07	-4.109E-07	4.109E-07
9	DEAD		-1.356E-09	-1.004E-09	-4.846E-06	-6.089E-08	1.253E-07
9	EH		3.493E-08	-1.641E-09	6.407E-07	1.009E-07	-4.708E-07
10	DEAD		-1.841E-08	-9.207E-09	-4.821E-06	-2.385E-08	4.742E-08
10	EH		1.363E-07	2.167E-08	6.379E-07	9.362E-08	-4.785E-07
11	DEAD		-1.818E-08	-1.818E-08	-4.809E-06	-1.260E-07	1.260E-07
11	EH		4.493E-08	4.493E-08	6.054E-07	4.022E-07	-4.022E-07
12	DEAD		-3.630E-08	-1.790E-08	-4.745E-06	-6.586E-08	1.374E-07
12	EH		2.488E-07	4.293E-08	6.302E-07	8.530E-08	-5.319E-07

Table 16: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
13	DEAD		-3.595E-08	-3.595E-08	-4.733E-06	-5.568E-08	5.568E-08
13	EH		8.521E-08	8.521E-08	5.994E-07	4.044E-07	-4.044E-07
14	DEAD		-5.609E-08	-2.735E-08	-4.620E-06	-2.939E-08	6.256E-08
14	EH		3.694E-07	6.334E-08	6.188E-07	7.800E-08	-5.493E-07
15	DEAD		-5.475E-08	-5.475E-08	-4.606E-06	-1.438E-07	1.438E-07
15	EH		1.268E-07	1.268E-07	5.869E-07	4.429E-07	-4.429E-07
16	DEAD		-7.853E-08	-3.767E-08	-4.443E-06	-7.456E-08	1.571E-07
16	EH		4.958E-07	8.517E-08	6.024E-07	9.204E-08	-5.906E-07
17	DEAD		-7.486E-08	-7.486E-08	-4.430E-06	-6.545E-08	6.545E-08
17	EH		1.703E-07	1.703E-07	5.691E-07	4.498E-07	-4.498E-07
18	DEAD		-1.016E-07	-4.895E-08	-4.216E-06	-3.061E-08	4.336E-08
18	EH		6.279E-07	1.088E-07	5.812E-07	9.117E-08	-5.926E-07
19	DEAD		-9.647E-08	-9.647E-08	-4.204E-06	-1.378E-07	1.378E-07
19	EH		2.169E-07	2.169E-07	5.465E-07	4.793E-07	-4.793E-07
20	DEAD		-1.166E-07	-5.988E-08	-3.937E-06	-6.063E-08	4.607E-08
20	EH		7.633E-07	1.343E-07	5.541E-07	9.958E-08	-5.795E-07
21	DEAD		-1.159E-07	-1.159E-07	-3.933E-06	3.516E-08	-3.516E-08
21	EH		2.660E-07	2.660E-07	5.217E-07	4.379E-07	-4.379E-07
22	DEAD		-9.934E-08	-6.167E-08	-3.607E-06	9.041E-08	-2.882E-07
22	EH		8.856E-07	1.579E-07	5.201E-07	4.729E-08	-3.818E-07
23	DEAD		-1.210E-07	-1.210E-07	-3.624E-06	1.266E-07	-1.266E-07
23	EH		3.116E-07	3.116E-07	5.009E-07	3.070E-07	-3.070E-07
24	DEAD		-1.586E-08	-3.426E-08	-3.224E-06	1.601E-07	-4.718E-07
24	EH		9.479E-07	1.659E-07	4.779E-07	-3.858E-08	7.452E-08
25	DEAD		-7.600E-08	-7.600E-08	-3.281E-06	5.638E-07	-5.638E-07
25	EH		3.302E-07	3.302E-07	4.928E-07	-1.167E-07	1.167E-07
26	DEAD		1.300E-07	8.137E-08	-2.807E-06	9.797E-07	-5.513E-07
26	EH		8.672E-07	1.257E-07	4.344E-07	-3.884E-07	8.830E-07
27	DEAD		6.236E-08	6.236E-08	-2.844E-06	4.734E-07	-4.734E-07
27	EH		2.760E-07	2.760E-07	4.873E-07	-7.139E-07	7.139E-07
28	DEAD		2.112E-07	3.097E-07	-2.348E-06	-1.405E-06	6.230E-07
28	EH		5.643E-07	5.895E-09	3.967E-07	9.766E-08	1.426E-06
29	DEAD		2.472E-07	2.472E-07	-2.067E-06	8.193E-08	-8.193E-08
29	EH		1.336E-07	1.336E-07	4.066E-07	-1.110E-06	1.110E-06
30	DEAD		-5.666E-08	-1.243E-07	-2.396E-06	-5.313E-06	2.948E-06
30	EH		1.531E-07	7.247E-08	5.188E-07	1.533E-06	-3.615E-07
31	DEAD		-1.559E-09	-1.055E-19	-4.850E-06	1.883E-20	4.624E-08
31	EH		6.477E-08	-2.475E-19	6.501E-07	1.725E-19	-5.033E-07
32	DEAD		-1.842E-08	-9.733E-20	-4.825E-06	4.604E-20	1.294E-07
32	EH		1.865E-07	-2.129E-19	6.475E-07	1.719E-19	-5.817E-07
33	DEAD		-3.653E-08	-8.908E-20	-4.750E-06	5.087E-20	5.494E-08
33	EH		3.353E-07	-1.742E-19	6.399E-07	1.719E-19	-6.311E-07
34	DEAD		-5.703E-08	-8.174E-20	-4.624E-06	4.545E-20	1.514E-07
34	EH		4.973E-07	-1.357E-19	6.280E-07	1.724E-19	-6.842E-07
35	DEAD		-8.032E-08	-7.304E-20	-4.448E-06	3.976E-20	7.024E-08
35	EH		6.672E-07	-9.910E-20	6.121E-07	1.631E-19	-7.006E-07
36	DEAD		-1.040E-07	-6.374E-20	-4.219E-06	3.865E-20	1.385E-07
36	EH		8.443E-07	-6.505E-20	5.907E-07	1.349E-19	-7.376E-07
37	DEAD		-1.151E-07	-5.206E-20	-3.937E-06	8.981E-20	-7.613E-08
37	EH		1.024E-06	-3.522E-20	5.617E-07	1.173E-19	-6.860E-07
38	DEAD		-8.595E-08	-4.013E-20	-3.597E-06	0.	-2.293E-07
38	EH		1.185E-06	-1.171E-20	5.215E-07	8.734E-20	-4.939E-07
39	DEAD		1.267E-08	-2.687E-20	-3.211E-06	1.033E-19	-6.199E-07
39	EH		1.267E-06	0.	4.706E-07	4.955E-20	7.344E-08

Table 16: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
40	DEAD		1.552E-07	-1.337E-20	-2.834E-06	2.772E-20	-3.656E-07
40	EH		1.164E-06	0.	4.277E-07	1.456E-20	1.007E-06
41	DEAD		1.643E-07	0.	-2.762E-06	-1.028E-20	1.038E-06
41	EH		7.764E-07	0.	4.924E-07	0.	1.791E-06
42	DEAD		-3.083E-08	0.	-2.756E-06	3.255E-19	1.499E-06
42	EH		2.074E-07	0.	6.250E-07	-4.817E-20	-1.070E-07
43	DEAD		-1.356E-09	1.004E-09	-4.846E-06	6.089E-08	1.253E-07
43	EH		3.493E-08	1.641E-09	6.407E-07	-1.009E-07	-4.708E-07
44	DEAD		-1.841E-08	9.207E-09	-4.821E-06	2.385E-08	4.742E-08
44	EH		1.363E-07	-2.167E-08	6.379E-07	-9.362E-08	-4.785E-07
45	DEAD		-3.630E-08	1.790E-08	-4.745E-06	6.586E-08	1.374E-07
45	EH		2.488E-07	-4.293E-08	6.302E-07	-8.530E-08	-5.319E-07
46	DEAD		-5.609E-08	2.735E-08	-4.620E-06	2.939E-08	6.256E-08
46	EH		3.694E-07	-6.334E-08	6.188E-07	-7.800E-08	-5.493E-07
47	DEAD		-7.853E-08	3.767E-08	-4.443E-06	7.456E-08	1.571E-07
47	EH		4.958E-07	-8.517E-08	6.024E-07	-9.204E-08	-5.906E-07
48	DEAD		-1.016E-07	4.895E-08	-4.216E-06	3.061E-08	4.336E-08
48	EH		6.279E-07	-1.088E-07	5.812E-07	-9.117E-08	-5.926E-07
49	DEAD		-1.166E-07	5.988E-08	-3.937E-06	6.063E-08	4.607E-08
49	EH		7.633E-07	-1.343E-07	5.541E-07	-9.958E-08	-5.795E-07
50	DEAD		-9.934E-08	6.167E-08	-3.607E-06	-9.041E-08	-2.882E-07
50	EH		8.856E-07	-1.579E-07	5.201E-07	-4.729E-08	-3.818E-07
51	DEAD		-1.586E-08	3.426E-08	-3.224E-06	-1.601E-07	-4.718E-07
51	EH		9.479E-07	-1.659E-07	4.779E-07	3.858E-08	7.452E-08
52	DEAD		1.300E-07	-8.137E-08	-2.807E-06	-9.797E-07	-5.513E-07
52	EH		8.672E-07	-1.257E-07	4.344E-07	3.884E-07	8.830E-07
53	DEAD		2.112E-07	-3.097E-07	-2.348E-06	1.405E-06	6.230E-07
53	EH		5.643E-07	-5.895E-09	3.967E-07	-9.766E-08	1.426E-06
54	DEAD		-5.666E-08	1.243E-07	-2.396E-06	5.313E-06	2.948E-06
54	EH		1.531E-07	-7.247E-08	5.188E-07	-1.533E-06	-3.615E-07
55	DEAD		-1.818E-08	1.818E-08	-4.809E-06	1.260E-07	1.260E-07
55	EH		4.493E-08	-4.493E-08	6.054E-07	-4.022E-07	-4.022E-07
56	DEAD		-3.595E-08	3.595E-08	-4.733E-06	5.568E-08	5.568E-08
56	EH		8.521E-08	-8.521E-08	5.994E-07	-4.044E-07	-4.044E-07
57	DEAD		-5.475E-08	5.475E-08	-4.606E-06	1.438E-07	1.438E-07
57	EH		1.268E-07	-1.268E-07	5.869E-07	-4.429E-07	-4.429E-07
58	DEAD		-7.486E-08	7.486E-08	-4.430E-06	6.545E-08	6.545E-08
58	EH		1.703E-07	-1.703E-07	5.691E-07	-4.498E-07	-4.498E-07
59	DEAD		-9.647E-08	9.647E-08	-4.204E-06	1.378E-07	1.378E-07
59	EH		2.169E-07	-2.169E-07	5.465E-07	-4.793E-07	-4.793E-07
60	DEAD		-1.159E-07	1.159E-07	-3.933E-06	-3.516E-08	-3.516E-08
60	EH		2.660E-07	-2.660E-07	5.217E-07	-4.379E-07	-4.379E-07
61	DEAD		-1.210E-07	1.210E-07	-3.624E-06	-1.266E-07	-1.266E-07
61	EH		3.116E-07	-3.116E-07	5.009E-07	-3.070E-07	-3.070E-07
62	DEAD		-7.600E-08	7.600E-08	-3.281E-06	-5.638E-07	-5.638E-07
62	EH		3.302E-07	-3.302E-07	4.928E-07	1.167E-07	1.167E-07
63	DEAD		6.236E-08	-6.236E-08	-2.844E-06	-4.734E-07	-4.734E-07
63	EH		2.760E-07	-2.760E-07	4.873E-07	7.139E-07	7.139E-07
64	DEAD		2.472E-07	-2.472E-07	-2.067E-06	-8.193E-08	-8.193E-08
64	EH		1.336E-07	-1.336E-07	4.066E-07	1.110E-06	1.110E-06
65	DEAD		1.356E-09	-1.004E-09	-4.846E-06	-6.089E-08	-1.253E-07
65	EH		-3.493E-08	-1.641E-09	6.407E-07	1.009E-07	4.708E-07
66	DEAD		1.841E-08	-9.207E-09	-4.821E-06	-2.385E-08	-4.742E-08
66	EH		-1.363E-07	2.167E-08	6.379E-07	9.362E-08	4.785E-07

Table 16: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
67	DEAD		1.818E-08	-1.818E-08	-4.809E-06	-1.260E-07	-1.260E-07
67	EH		-4.493E-08	4.493E-08	6.054E-07	4.022E-07	4.022E-07
68	DEAD		3.630E-08	-1.790E-08	-4.745E-06	-6.586E-08	-1.374E-07
68	EH		-2.488E-07	4.293E-08	6.302E-07	8.530E-08	5.319E-07
69	DEAD		3.595E-08	-3.595E-08	-4.733E-06	-5.568E-08	-5.568E-08
69	EH		-8.521E-08	8.521E-08	5.994E-07	4.044E-07	4.044E-07
70	DEAD		5.609E-08	-2.735E-08	-4.620E-06	-2.939E-08	-6.256E-08
70	EH		-3.694E-07	6.334E-08	6.188E-07	7.800E-08	5.493E-07
71	DEAD		5.475E-08	-5.475E-08	-4.606E-06	-1.438E-07	-1.438E-07
71	EH		-1.268E-07	1.268E-07	5.869E-07	4.429E-07	4.429E-07
72	DEAD		7.853E-08	-3.767E-08	-4.443E-06	-7.456E-08	-1.571E-07
72	EH		-4.958E-07	8.517E-08	6.024E-07	9.204E-08	5.906E-07
73	DEAD		7.486E-08	-7.486E-08	-4.430E-06	-6.545E-08	-6.545E-08
73	EH		-1.703E-07	1.703E-07	5.691E-07	4.498E-07	4.498E-07
74	DEAD		1.016E-07	-4.895E-08	-4.216E-06	-3.061E-08	-4.336E-08
74	EH		-6.279E-07	1.088E-07	5.812E-07	9.117E-08	5.926E-07
75	DEAD		9.647E-08	-9.647E-08	-4.204E-06	-1.378E-07	-1.378E-07
75	EH		-2.169E-07	2.169E-07	5.465E-07	4.793E-07	4.793E-07
76	DEAD		1.166E-07	-5.988E-08	-3.937E-06	-6.063E-08	-4.607E-08
76	EH		-7.633E-07	1.343E-07	5.541E-07	9.958E-08	5.795E-07
77	DEAD		1.159E-07	-1.159E-07	-3.933E-06	3.516E-08	3.516E-08
77	EH		-2.660E-07	2.660E-07	5.217E-07	4.379E-07	4.379E-07
78	DEAD		9.934E-08	-6.167E-08	-3.607E-06	9.041E-08	2.882E-07
78	EH		-8.856E-07	1.579E-07	5.201E-07	4.729E-08	3.818E-07
79	DEAD		1.210E-07	-1.210E-07	-3.624E-06	1.266E-07	1.266E-07
79	EH		-3.116E-07	3.116E-07	5.009E-07	3.070E-07	3.070E-07
80	DEAD		1.586E-08	-3.426E-08	-3.224E-06	1.601E-07	4.718E-07
80	EH		-9.479E-07	1.659E-07	4.779E-07	-3.858E-08	-7.452E-08
81	DEAD		7.600E-08	-7.600E-08	-3.281E-06	5.638E-07	5.638E-07
81	EH		-3.302E-07	3.302E-07	4.928E-07	-1.167E-07	-1.167E-07
82	DEAD		-1.300E-07	8.137E-08	-2.807E-06	9.797E-07	5.513E-07
82	EH		-8.672E-07	1.257E-07	4.344E-07	-3.884E-07	-8.830E-07
83	DEAD		-6.236E-08	6.236E-08	-2.844E-06	4.734E-07	4.734E-07
83	EH		-2.760E-07	2.760E-07	4.873E-07	-7.139E-07	-7.139E-07
84	DEAD		-2.112E-07	3.097E-07	-2.348E-06	-1.405E-06	-6.230E-07
84	EH		-5.643E-07	5.895E-09	3.967E-07	9.766E-08	-1.426E-06
85	DEAD		-2.472E-07	2.472E-07	-2.067E-06	8.193E-08	8.193E-08
85	EH		-1.336E-07	1.336E-07	4.066E-07	-1.110E-06	-1.110E-06
86	DEAD		5.666E-08	-1.243E-07	-2.396E-06	-5.313E-06	-2.948E-06
86	EH		-1.531E-07	7.247E-08	5.188E-07	1.533E-06	3.615E-07
87	DEAD		1.559E-09	-9.782E-20	-4.850E-06	2.784E-20	-4.624E-08
87	EH		-6.477E-08	-1.809E-19	6.501E-07	1.872E-19	5.033E-07
88	DEAD		1.842E-08	-9.102E-20	-4.825E-06	5.674E-20	-1.294E-07
88	EH		-1.865E-07	-1.445E-19	6.475E-07	1.614E-19	5.817E-07
89	DEAD		3.653E-08	-8.517E-20	-4.750E-06	0.	-5.494E-08
89	EH		-3.353E-07	-1.030E-19	6.399E-07	2.060E-19	6.311E-07
90	DEAD		5.703E-08	-7.863E-20	-4.624E-06	7.245E-20	-1.514E-07
90	EH		-4.973E-07	-6.381E-20	6.280E-07	1.552E-19	6.842E-07
91	DEAD		8.032E-08	-7.067E-20	-4.448E-06	2.326E-20	-7.024E-08
91	EH		-6.672E-07	-2.940E-20	6.121E-07	1.626E-19	7.006E-07
92	DEAD		1.040E-07	-6.093E-20	-4.219E-06	7.554E-20	-1.385E-07
92	EH		-8.443E-07	0.	5.907E-07	1.130E-19	7.376E-07
93	DEAD		1.151E-07	-4.840E-20	-3.937E-06	4.034E-20	7.613E-08
93	EH		-1.024E-06	2.383E-20	5.617E-07	1.229E-19	6.860E-07

Table 16: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
94	DEAD		8.595E-08	-3.357E-20	-3.597E-06	9.826E-20	2.293E-07
94	EH		-1.185E-06	3.976E-20	5.215E-07	3.325E-20	4.939E-07
95	DEAD		-1.267E-08	-1.764E-20	-3.211E-06	3.724E-20	6.199E-07
95	EH		-1.267E-06	4.450E-20	4.706E-07	5.040E-20	-7.344E-08
96	DEAD		-1.552E-07	0.	-2.834E-06	1.072E-19	3.656E-07
96	EH		-1.164E-06	3.712E-20	4.277E-07	-4.157E-20	-1.007E-06
97	DEAD		-1.643E-07	0.	-2.762E-06	-7.452E-20	-1.038E-06
97	EH		-7.764E-07	2.315E-20	4.924E-07	0.	-1.791E-06
98	DEAD		3.083E-08	0.	-2.756E-06	2.642E-19	-1.499E-06
98	EH		-2.074E-07	1.151E-20	6.250E-07	-1.008E-19	1.070E-07
99	DEAD		1.356E-09	1.004E-09	-4.846E-06	6.089E-08	-1.253E-07
99	EH		-3.493E-08	1.641E-09	6.407E-07	-1.009E-07	4.708E-07
100	DEAD		1.841E-08	9.207E-09	-4.821E-06	2.385E-08	-4.742E-08
100	EH		-1.363E-07	-2.167E-08	6.379E-07	-9.362E-08	4.785E-07
101	DEAD		3.630E-08	1.790E-08	-4.745E-06	6.586E-08	-1.374E-07
101	EH		-2.488E-07	-4.293E-08	6.302E-07	-8.530E-08	5.319E-07
102	DEAD		5.609E-08	2.735E-08	-4.620E-06	2.939E-08	-6.256E-08
102	EH		-3.694E-07	-6.334E-08	6.188E-07	-7.800E-08	5.493E-07
103	DEAD		7.853E-08	3.767E-08	-4.443E-06	7.456E-08	-1.571E-07
103	EH		-4.958E-07	-8.517E-08	6.024E-07	-9.204E-08	5.906E-07
104	DEAD		1.016E-07	4.895E-08	-4.216E-06	3.061E-08	-4.336E-08
104	EH		-6.279E-07	-1.088E-07	5.812E-07	-9.117E-08	5.926E-07
105	DEAD		1.166E-07	5.988E-08	-3.937E-06	6.063E-08	-4.607E-08
105	EH		-7.633E-07	-1.343E-07	5.541E-07	-9.958E-08	5.795E-07
106	DEAD		9.934E-08	6.167E-08	-3.607E-06	-9.041E-08	2.882E-07
106	EH		-8.856E-07	-1.579E-07	5.201E-07	-4.729E-08	3.818E-07
107	DEAD		1.586E-08	3.426E-08	-3.224E-06	-1.601E-07	4.718E-07
107	EH		-9.479E-07	-1.659E-07	4.779E-07	3.858E-08	-7.452E-08
108	DEAD		-1.300E-07	-8.137E-08	-2.807E-06	-9.797E-07	5.513E-07
108	EH		-8.672E-07	-1.257E-07	4.344E-07	3.884E-07	-8.830E-07
109	DEAD		-2.112E-07	-3.097E-07	-2.348E-06	1.405E-06	-6.230E-07
109	EH		-5.643E-07	-5.895E-09	3.967E-07	-9.766E-08	-1.426E-06
110	DEAD		5.666E-08	1.243E-07	-2.396E-06	5.313E-06	-2.948E-06
110	EH		-1.531E-07	-7.247E-08	5.188E-07	-1.533E-06	3.615E-07
111	DEAD		1.818E-08	1.818E-08	-4.809E-06	1.260E-07	-1.260E-07
111	EH		-4.493E-08	-4.493E-08	6.054E-07	-4.022E-07	4.022E-07
112	DEAD		3.595E-08	3.595E-08	-4.733E-06	5.568E-08	-5.568E-08
112	EH		-8.521E-08	-8.521E-08	5.994E-07	-4.044E-07	4.044E-07
113	DEAD		5.475E-08	5.475E-08	-4.606E-06	1.438E-07	-1.438E-07
113	EH		-1.268E-07	-1.268E-07	5.869E-07	-4.429E-07	4.429E-07
114	DEAD		7.486E-08	7.486E-08	-4.430E-06	6.545E-08	-6.545E-08
114	EH		-1.703E-07	-1.703E-07	5.691E-07	-4.498E-07	4.498E-07
115	DEAD		9.647E-08	9.647E-08	-4.204E-06	1.378E-07	-1.378E-07
115	EH		-2.169E-07	-2.169E-07	5.465E-07	-4.793E-07	4.793E-07
116	DEAD		1.159E-07	1.159E-07	-3.933E-06	-3.516E-08	3.516E-08
116	EH		-2.660E-07	-2.660E-07	5.217E-07	-4.379E-07	4.379E-07
117	DEAD		1.210E-07	1.210E-07	-3.624E-06	-1.266E-07	1.266E-07
117	EH		-3.116E-07	-3.116E-07	5.009E-07	-3.070E-07	3.070E-07
118	DEAD		7.600E-08	7.600E-08	-3.281E-06	-5.638E-07	5.638E-07
118	EH		-3.302E-07	-3.302E-07	4.928E-07	1.167E-07	-1.167E-07
119	DEAD		-6.236E-08	-6.236E-08	-2.844E-06	-4.734E-07	4.734E-07
119	EH		-2.760E-07	-2.760E-07	4.873E-07	7.139E-07	-7.139E-07
120	DEAD		-2.472E-07	-2.472E-07	-2.067E-06	-8.193E-08	8.193E-08
120	EH		-1.336E-07	-1.336E-07	4.066E-07	1.110E-06	-1.110E-06

Table 16: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
121	DEAD		-1.004E-09	-1.356E-09	-4.846E-06	-1.253E-07	6.089E-08
121	EH		-1.641E-09	3.493E-08	6.407E-07	4.708E-07	-1.009E-07
122	DEAD		-9.207E-09	-1.841E-08	-4.821E-06	-4.742E-08	2.385E-08
122	EH		2.167E-08	1.363E-07	6.379E-07	4.785E-07	-9.362E-08
123	DEAD		-1.790E-08	-3.630E-08	-4.745E-06	-1.374E-07	6.586E-08
123	EH		4.293E-08	2.488E-07	6.302E-07	5.319E-07	-8.530E-08
124	DEAD		-2.735E-08	-5.609E-08	-4.620E-06	-6.256E-08	2.939E-08
124	EH		6.334E-08	3.694E-07	6.188E-07	5.493E-07	-7.800E-08
125	DEAD		-3.767E-08	-7.853E-08	-4.443E-06	-1.571E-07	7.456E-08
125	EH		8.517E-08	4.958E-07	6.024E-07	5.906E-07	-9.204E-08
126	DEAD		-4.895E-08	-1.016E-07	-4.216E-06	-4.336E-08	3.061E-08
126	EH		1.088E-07	6.279E-07	5.812E-07	5.926E-07	-9.117E-08
127	DEAD		-5.988E-08	-1.166E-07	-3.937E-06	-4.607E-08	6.063E-08
127	EH		1.343E-07	7.633E-07	5.541E-07	5.795E-07	-9.958E-08
128	DEAD		-6.167E-08	-9.934E-08	-3.607E-06	2.882E-07	-9.041E-08
128	EH		1.579E-07	8.856E-07	5.201E-07	3.818E-07	-4.729E-08
129	DEAD		-3.426E-08	-1.586E-08	-3.224E-06	4.718E-07	-1.601E-07
129	EH		1.659E-07	9.479E-07	4.779E-07	-7.452E-08	3.858E-08
130	DEAD		8.137E-08	1.300E-07	-2.807E-06	5.513E-07	-9.797E-07
130	EH		1.257E-07	8.672E-07	4.344E-07	-8.830E-07	3.884E-07
131	DEAD		3.097E-07	2.112E-07	-2.348E-06	-6.230E-07	1.405E-06
131	EH		5.895E-09	5.643E-07	3.967E-07	-1.426E-06	-9.766E-08
132	DEAD		-1.243E-07	-5.666E-08	-2.396E-06	-2.948E-06	5.313E-06
132	EH		7.247E-08	1.531E-07	5.188E-07	3.615E-07	-1.533E-06
133	DEAD		-1.387E-19	-1.559E-09	-4.850E-06	-4.624E-08	-8.809E-20
133	EH		3.350E-19	6.477E-08	6.501E-07	5.033E-07	2.037E-19
134	DEAD		-1.193E-19	-1.842E-08	-4.825E-06	-1.294E-07	-1.112E-19
134	EH		2.923E-19	1.865E-07	6.475E-07	5.817E-07	2.227E-19
135	DEAD		-1.004E-19	-3.653E-08	-4.750E-06	-5.494E-08	-7.790E-20
135	EH		2.457E-19	3.353E-07	6.399E-07	6.311E-07	2.046E-19
136	DEAD		-8.221E-20	-5.703E-08	-4.624E-06	-1.514E-07	-1.085E-19
136	EH		1.997E-19	4.973E-07	6.280E-07	6.842E-07	2.219E-19
137	DEAD		-6.527E-20	-8.032E-08	-4.448E-06	-7.024E-08	-5.523E-20
137	EH		1.555E-19	6.672E-07	6.121E-07	7.006E-07	1.967E-19
138	DEAD		-5.061E-20	-1.040E-07	-4.219E-06	-1.385E-07	-6.805E-20
138	EH		1.137E-19	8.443E-07	5.907E-07	7.376E-07	1.738E-19
139	DEAD		-3.725E-20	-1.151E-07	-3.937E-06	7.613E-08	-7.837E-20
139	EH		7.568E-20	1.024E-06	5.617E-07	6.860E-07	1.653E-19
140	DEAD		-2.679E-20	-8.595E-08	-3.597E-06	2.293E-07	-3.558E-20
140	EH		4.416E-20	1.185E-06	5.215E-07	4.939E-07	1.169E-19
141	DEAD		-1.892E-20	1.267E-08	-3.211E-06	6.199E-07	-6.312E-20
141	EH		2.141E-20	1.267E-06	4.706E-07	-7.344E-08	1.023E-19
142	DEAD		-1.120E-20	1.552E-07	-2.834E-06	3.656E-07	0.
142	EH		0.	1.164E-06	4.277E-07	-1.007E-06	3.856E-20
143	DEAD		0.	1.643E-07	-2.762E-06	-1.038E-06	-9.655E-20
143	EH		0.	7.764E-07	4.924E-07	-1.791E-06	2.976E-20
144	DEAD		0.	-3.083E-08	-2.756E-06	-1.499E-06	-3.061E-20
144	EH		0.	2.074E-07	6.250E-07	1.070E-07	3.758E-20
145	DEAD		1.004E-09	-1.356E-09	-4.846E-06	-1.253E-07	-6.089E-08
145	EH		1.641E-09	3.493E-08	6.407E-07	4.708E-07	1.009E-07
146	DEAD		9.207E-09	-1.841E-08	-4.821E-06	-4.742E-08	-2.385E-08
146	EH		-2.167E-08	1.363E-07	6.379E-07	4.785E-07	9.362E-08
147	DEAD		1.790E-08	-3.630E-08	-4.745E-06	-1.374E-07	-6.586E-08
147	EH		-4.293E-08	2.488E-07	6.302E-07	5.319E-07	8.530E-08

Table 16: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
148	DEAD		2.735E-08	-5.609E-08	-4.620E-06	-6.256E-08	-2.939E-08
148	EH		-6.334E-08	3.694E-07	6.188E-07	5.493E-07	7.800E-08
149	DEAD		3.767E-08	-7.853E-08	-4.443E-06	-1.571E-07	-7.456E-08
149	EH		-8.517E-08	4.958E-07	6.024E-07	5.906E-07	9.204E-08
150	DEAD		4.895E-08	-1.016E-07	-4.216E-06	-4.336E-08	-3.061E-08
150	EH		-1.088E-07	6.279E-07	5.812E-07	5.926E-07	9.117E-08
151	DEAD		5.988E-08	-1.166E-07	-3.937E-06	-4.607E-08	-6.063E-08
151	EH		-1.343E-07	7.633E-07	5.541E-07	5.795E-07	9.958E-08
152	DEAD		6.167E-08	-9.934E-08	-3.607E-06	2.882E-07	9.041E-08
152	EH		-1.579E-07	8.856E-07	5.201E-07	3.818E-07	4.729E-08
153	DEAD		3.426E-08	-1.586E-08	-3.224E-06	4.718E-07	1.601E-07
153	EH		-1.659E-07	9.479E-07	4.779E-07	-7.452E-08	-3.858E-08
154	DEAD		-8.137E-08	1.300E-07	-2.807E-06	5.513E-07	9.797E-07
154	EH		-1.257E-07	8.672E-07	4.344E-07	-8.830E-07	-3.884E-07
155	DEAD		-3.097E-07	2.112E-07	-2.348E-06	-6.230E-07	-1.405E-06
155	EH		-5.895E-09	5.643E-07	3.967E-07	-1.426E-06	9.766E-08
156	DEAD		1.243E-07	-5.666E-08	-2.396E-06	-2.948E-06	-5.313E-06
156	EH		-7.247E-08	1.531E-07	5.188E-07	3.615E-07	1.533E-06
157	DEAD		-1.004E-09	1.356E-09	-4.846E-06	1.253E-07	6.089E-08
157	EH		-1.641E-09	-3.493E-08	6.407E-07	-4.708E-07	-1.009E-07
158	DEAD		-9.207E-09	1.841E-08	-4.821E-06	4.742E-08	2.385E-08
158	EH		2.167E-08	-1.363E-07	6.379E-07	-4.785E-07	-9.362E-08
159	DEAD		-1.790E-08	3.630E-08	-4.745E-06	1.374E-07	6.586E-08
159	EH		4.293E-08	-2.488E-07	6.302E-07	-5.319E-07	-8.530E-08
160	DEAD		-2.735E-08	5.609E-08	-4.620E-06	6.256E-08	2.939E-08
160	EH		6.334E-08	-3.694E-07	6.188E-07	-5.493E-07	-7.800E-08
161	DEAD		-3.767E-08	7.853E-08	-4.443E-06	1.571E-07	7.456E-08
161	EH		8.517E-08	-4.958E-07	6.024E-07	-5.906E-07	-9.204E-08
162	DEAD		-4.895E-08	1.016E-07	-4.216E-06	4.336E-08	3.061E-08
162	EH		1.088E-07	-6.279E-07	5.812E-07	-5.926E-07	-9.117E-08
163	DEAD		-5.988E-08	1.166E-07	-3.937E-06	4.607E-08	6.063E-08
163	EH		1.343E-07	-7.633E-07	5.541E-07	-5.795E-07	-9.958E-08
164	DEAD		-6.167E-08	9.934E-08	-3.607E-06	-2.882E-07	-9.041E-08
164	EH		1.579E-07	-8.856E-07	5.201E-07	-3.818E-07	-4.729E-08
165	DEAD		-3.426E-08	1.586E-08	-3.224E-06	-4.718E-07	-1.601E-07
165	EH		1.659E-07	-9.479E-07	4.779E-07	7.452E-08	3.858E-08
166	DEAD		8.137E-08	-1.300E-07	-2.807E-06	-5.513E-07	-9.797E-07
166	EH		1.257E-07	-8.672E-07	4.344E-07	8.830E-07	3.884E-07
167	DEAD		3.097E-07	-2.112E-07	-2.348E-06	6.230E-07	1.405E-06
167	EH		5.895E-09	-5.643E-07	3.967E-07	1.426E-06	-9.766E-08
168	DEAD		-1.243E-07	5.666E-08	-2.396E-06	2.948E-06	5.313E-06
168	EH		7.247E-08	-1.531E-07	5.188E-07	-3.615E-07	-1.533E-06
169	DEAD		-1.290E-19	1.559E-09	-4.850E-06	4.624E-08	-3.792E-20
169	EH		2.592E-19	-6.477E-08	6.501E-07	-5.033E-07	2.270E-19
170	DEAD		-1.130E-19	1.842E-08	-4.825E-06	1.294E-07	-1.193E-19
170	EH		2.165E-19	-1.865E-07	6.475E-07	-5.817E-07	1.863E-19
171	DEAD		-9.497E-20	3.653E-08	-4.750E-06	5.494E-08	-7.219E-20
171	EH		1.688E-19	-3.353E-07	6.399E-07	-6.311E-07	2.364E-19
172	DEAD		-7.761E-20	5.703E-08	-4.624E-06	1.514E-07	-8.484E-20
172	EH		1.241E-19	-4.973E-07	6.280E-07	-6.842E-07	1.876E-19
173	DEAD		-6.231E-20	8.032E-08	-4.448E-06	7.024E-08	-5.075E-20
173	EH		8.474E-20	-6.672E-07	6.121E-07	-7.006E-07	1.927E-19
174	DEAD		-4.850E-20	1.040E-07	-4.219E-06	1.385E-07	-5.591E-20
174	EH		4.994E-20	-8.443E-07	5.907E-07	-7.376E-07	1.292E-19

Table 16: Joint Displacements, Part 1 of 2

Joint	OutputCase	StepType	U1	U2	U3	R1	R2
			m	m	m	Radians	Radians
175	DEAD		-3.672E-20	1.151E-07	-3.937E-06	-7.613E-08	-8.039E-20
175	EH		1.939E-20	-1.024E 06	5.617E-07	-6.860E-07	1.805E-19
176	DEAD		-2.740E-20	8.595E-08	-3.597E-06	-2.293E-07	-2.033E-20
176	EH		0.	-1.185E-06	5.215E-07	-4.939E-07	4.701E-20
177	DEAD		-1.953E-20	-1.267E-08	-3.211E-06	-6.199E-07	-8.980E-20
177	EH		-1.664E-20	-1.267E-06	4.706E-07	7.344E-08	1.218E-19
178	DEAD		-1.162E-20	-1.552E-07	-2.834E-06	-3.656E-07	2.533E-20
178	EH		-1.896E-20	-1.164E-06	4.277E-07	1.007E-06	-2.913E-20
179	DEAD		0.	-1.643E-07	-2.762E-06	1.038E-06	-1.169E-19
179	EH		-1.360E-20	-7.764E-07	4.924E-07	1.791E-06	4.167E-20
180	DEAD		0.	3.083E-08	-2.756E-06	1.499E-06	1.238E-19
180	EH		-1.165E-20	-2.074E-07	6.250E-07	-1.070E-07	4.873E-20
181	DEAD		1.004E-09	1.356E-09	-4.846E-06	1.253E-07	-6.089E-08
181	EH		1.641E-09	-3.493E-08	6.407E-07	-4.708E-07	1.009E-07
182	DEAD		9.207E-09	1.841E-08	-4.821E-06	4.742E-08	-2.385E-08
182	EH		-2.167E-08	-1.363E-07	6.379E-07	-4.785E-07	9.362E-08
183	DEAD		1.790E-08	3.630E-08	-4.745E-06	1.374E-07	-6.586E-08
183	EH		-4.293E-08	-2.488E-07	6.302E-07	-5.319E-07	8.530E-08
184	DEAD		2.735E-08	5.609E-08	-4.620E-06	6.256E-08	-2.939E-08
184	EH		-6.334E-08	-3.694E-07	6.188E-07	-5.493E-07	7.800E-08
185	DEAD		3.767E-08	7.853E-08	-4.443E-06	1.571E-07	-7.456E-08
185	EH		-8.517E-08	-4.958E-07	6.024E-07	-5.906E-07	9.204E-08
186	DEAD		4.895E-08	1.016E-07	-4.216E-06	4.336E-08	-3.061E-08
186	EH		-1.088E-07	-6.279E-07	5.812E-07	-5.926E-07	9.117E-08
187	DEAD		5.988E-08	1.166E-07	-3.937E-06	4.607E-08	-6.063E-08
187	EH		-1.343E-07	-7.633E-07	5.541E-07	-5.795E-07	9.958E-08
188	DEAD		6.167E-08	9.934E-08	-3.607E-06	-2.882E-07	9.041E-08
188	EH		-1.579E-07	-8.856E-07	5.201E-07	-3.818E-07	4.729E-08
189	DEAD		3.426E-08	1.586E-08	-3.224E-06	-4.718E-07	1.601E-07
189	EH		-1.659E-07	-9.479E-07	4.779E-07	7.452E-08	-3.858E-08
190	DEAD		-8.137E-08	-1.300E-07	-2.807E-06	-5.513E-07	9.797E-07
190	EH		-1.257E-07	-8.672E-07	4.344E-07	8.830E-07	-3.884E-07
191	DEAD		-3.097E-07	-2.112E-07	-2.348E-06	6.230E-07	-1.405E-06
191	EH		-5.895E-09	-5.643E-07	3.967E-07	1.426E-06	9.766E-08
192	DEAD		1.243E-07	5.666E-08	-2.396E-06	2.948E-06	-5.313E-06
192	EH		-7.247E-08	-1.531E-07	5.188E-07	-3.615E-07	1.533E-06
193	DEAD		-1.115E-08	1.115E-08	-2.776E-06	2.801E-06	2.801E-06
193	EH		4.332E-08	-4.332E-08	9.483E-07	-1.494E-06	-1.494E-06
194	DEAD		-3.675E-08	0.	-3.149E-06	2.006E-19	1.740E-06
194	EH		9.103E-08	0.	1.181E-06	-3.783E-20	-1.708E-06
195	DEAD		-1.115E-08	-1.115E-08	-2.776E-06	-2.801E-06	2.801E-06
195	EH		4.332E-08	4.332E-08	9.483E-07	1.494E-06	-1.494E-06
196	DEAD		0.	3.675E-08	-3.149E-06	1.740E-06	-9.364E-20
196	EH		0.	-9.103E-08	1.181E-06	-1.708E-06	7.643E-20
197	DEAD		0.	0.	-3.305E-06	1.919E-19	-1.147E-20
197	EH		0.	0.	1.437E-06	-5.561E-20	4.850E-20
198	DEAD		0.	-3.675E-08	-3.149E-06	-1.740E-06	6.624E-20
198	EH		0.	9.103E-08	1.181E-06	1.708E-06	-2.822E-20
199	DEAD		1.115E-08	1.115E-08	-2.776E-06	2.801E-06	-2.801E-06
199	EH		-4.332E-08	-4.332E-08	9.483E-07	-1.494E-06	1.494E-06
200	DEAD		3.675E-08	0.	-3.149E-06	1.893E-19	-1.740E-06
200	EH		-9.103E-08	0.	1.181E-06	-4.964E-20	1.708E-06
201	DEAD		1.115E-08	-1.115E-08	-2.776E-06	-2.801E-06	-2.801E-06
201	EH		-4.332E-08	4.332E-08	9.483E-07	1.494E-06	1.494E-06

Table 16: Joint Displacements, Part 2 of 2

Table 16: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
1	2.648E-19
1	-8.450E-20
2	1.779E-19
2	-1.458E-19
3	0.
3	-1.626E-19
4	1.495E-19
4	-1.447E-19
5	3.608E-20
5	-1.257E-19
6	0.
6	6.305E-20
7	1.543E-20
7	5.477E-20
8	-3.131E-20
8	2.377E-19
9	-2.468E-09
9	-1.653E-07
10	1.943E-10
10	-3.165E-07
11	0.
11	3.139E-20
12	1.677E-09
12	-5.425E-07
13	-1.300E-20
13	1.305E-19
14	5.518E-09
14	-8.028E-07
15	-1.586E-20
15	1.442E-19
16	1.245E-08
16	-1.077E-06
17	-1.654E-20
17	8.513E-20
18	1.555E-08
18	-1.360E-06
19	-3.048E-20
19	1.470E-19
20	-6.785E-09
20	-1.641E-06
21	-2.101E-20
21	2.233E-19
22	-8.668E-08
22	-1.884E-06
23	-1.215E-20
23	2.229E-19
24	-1.751E-07
24	-2.012E-06
25	5.163E-20
25	1.850E-19

Table 16: Joint Displacements, Part 2 of 2

Joint	R3 Radians
26	-1.461E-07
26	-1.873E-06
27	4.410E-20
27	1.697E-19
28	5.385E-07
28	-1.331E-06
29	1.271E-19
29	6.670E-20
30	-6.171E-07
30	-6.385E-07
31	-1.886E-20
31	1.736E-19
32	0.
32	1.470E-19
33	0.
33	1.507E-19
34	0.
34	1.156E-19
35	-1.557E-20
35	1.387E-19
36	0.
36	2.084E-19
37	1.155E-20
37	1.083E-19
38	5.040E-20
38	4.868E-20
39	2.846E-20
39	9.968E-20
40	1.331E-20
40	0.
41	-1.058E-19
41	-3.641E-20
42	-2.247E-19
42	0.
43	2.468E-09
43	1.653E-07
44	-1.943E-10
44	3.165E-07
45	-1.677E-09
45	5.425E-07
46	-5.518E-09
46	8.028E-07
47	-1.245E-08
47	1.077E-06
48	-1.555E-08
48	1.360E-06
49	6.785E-09
49	1.641E-06
50	8.668E-08
50	1.884E-06
51	1.751E-07
51	2.012E-06
52	1.461E-07

Table 16: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
52	1.873E-06
53	-5.385E-07
53	1.331E-06
54	6.171E-07
54	6.385E-07
55	0.
55	1.339E-19
56	-1.318E-20
56	7.883E-20
57	0.
57	8.338E-20
58	-1.445E-20
58	6.014E-20
59	0.
59	-1.089E-19
60	-2.595E-20
60	2.394E-20
61	3.338E-20
61	3.064E-20
62	0.
62	-7.550E-20
63	8.701E-20
63	-1.206E-20
64	1.631E-19
64	-1.998E-20
65	2.468E-09
65	1.653E-07
66	-1.943E-10
66	3.165E-07
67	1.411E-20
67	3.465E-20
68	-1.677E-09
68	5.425E-07
69	0.
69	9.832E-20
70	-5.518E-09
70	8.028E-07
71	0.
71	7.065E-20
72	-1.245E-08
72	1.077E-06
73	0.
73	3.139E-20
74	-1.555E-08
74	1.360E-06
75	0.
75	9.012E-20
76	6.785E-09
76	1.641E-06
77	0.
77	1.465E-19
78	8.668E-08
78	1.884E-06

Table 16: Joint Displacements, Part 2 of 2

Joint	R3 Radians
79	-4.030E-20
79	3.797E-20
80	1.751E-07
80	2.012E-06
81	-6.300E-20
81	3.014E-20
82	1.461E-07
82	1.873E-06
83	-8.039E-20
83	3.610E-20
84	-5.385E-07
84	1.331E-06
85	-7.498E-20
85	-9.302E-20
86	6.171E-07
86	6.385E-07
87	0.
87	5.911E-20
88	-1.457E-20
88	1.215E-19
89	-1.549E-20
89	1.604E-19
90	-1.242E-20
90	1.635E-19
91	-1.778E-20
91	1.815E-19
92	0.
92	1.119E-19
93	0.
93	1.606E-19
94	0.
94	1.453E-19
95	0.
95	1.778E-19
96	-2.716E-20
96	1.367E-19
97	-1.110E-19
97	2.532E-20
98	-8.491E-20
98	1.111E-19
99	-2.468E-09
99	-1.653E-07
100	1.943E-10
100	-3.165E-07
101	1.677E-09
101	-5.425E-07
102	5.518E-09
102	-8.028E-07
103	1.245E-08
103	-1.077E-06
104	1.555E-08
104	-1.360E-06
105	-6.785E-09

Table 16: Joint Displacements, Part 2 of 2

Joint	R3 Radians
105	-1.641E-06
106	-8.668E-08
106	-1.884E-06
107	-1.751E-07
107	-2.012E-06
108	-1.461E-07
108	-1.873E-06
109	5.385E-07
109	-1.331E-06
110	-6.171E-07
110	-6.385E-07
111	0.
111	1.030E-19
112	0.
112	3.669E-20
113	1.853E-20
113	0.
114	1.400E-20
114	0.
115	3.627E-20
115	-1.831E-19
116	1.937E-20
116	-9.466E-20
117	2.942E-20
117	-1.749E-19
118	-5.108E-20
118	-2.500E-19
119	1.635E-20
119	-9.315E-20
120	-1.622E-20
120	-1.271E-19
121	2.468E-09
121	1.653E-07
122	-1.943E-10
122	3.165E-07
123	-1.677E-09
123	5.425E-07
124	-5.518E-09
124	8.028E-07
125	-1.245E-08
125	1.077E-06
126	-1.555E-08
126	1.360E-06
127	6.785E-09
127	1.641E-06
128	8.668E-08
128	1.884E-06
129	1.751E-07
129	2.012E-06
130	1.461E-07
130	1.873E-06
131	-5.385E-07
131	1.331E-06

Table 16: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
132	6.171E-07
132	6.385E-07
133	3.174E-20
133	6.691E-20
134	0.
134	1.115E-19
135	1.104E-20
135	9.846E-20
136	0.
136	1.695E-19
137	0.
137	1.486E-19
138	0.
138	1.190E-19
139	2.797E-20
139	1.299E-19
140	-1.349E-20
140	1.270E-19
141	3.228E-20
141	1.797E-19
142	-3.102E-20
142	1.480E-19
143	1.067E-20
143	7.036E-20
144	-1.636E-19
144	1.064E-19
145	-2.468E-09
145	-1.653E-07
146	1.943E-10
146	-3.165E-07
147	1.677E-09
147	-5.425E-07
148	5.518E-09
148	-8.028E-07
149	1.245E-08
149	-1.077E-06
150	1.555E-08
150	-1.360E-06
151	-6.785E-09
151	-1.641E-06
152	-8.668E-08
152	-1.884E-06
153	-1.751E-07
153	-2.012E-06
154	-1.461E-07
154	-1.873E-06
155	5.385E-07
155	-1.331E-06
156	-6.171E-07
156	-6.385E-07
157	-2.468E-09
157	-1.653E-07
158	1.943E-10

Table 16: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
158	-3.165E-07
159	1.677E-09
159	-5.425E-07
160	5.518E-09
160	-8.028E-07
161	1.245E-08
161	-1.077E-06
162	1.555E-08
162	-1.360E-06
163	-6.785E-09
163	-1.641E-06
164	-8.668E-08
164	-1.884E-06
165	-1.751E-07
165	-2.012E-06
166	-1.461E-07
166	-1.873E-06
167	5.385E-07
167	-1.331E-06
168	-6.171E-07
168	-6.385E-07
169	0.
169	1.499E-19
170	1.624E-20
170	1.284E-19
171	0.
171	1.607E-19
172	1.245E-20
172	1.001E-19
173	-1.112E-20
173	1.775E-19
174	0.
174	2.154E-19
175	0.
175	1.458E-19
176	7.008E-20
176	6.835E-20
177	3.478E-20
177	1.465E-19
178	5.469E-20
178	2.173E-20
179	-1.359E-19
179	-4.092E-20
180	-1.419E-19
180	1.701E-20
181	2.468E-09
181	1.653E-07
182	-1.943E-10
182	3.165E-07
183	-1.677E-09
183	5.425E-07
184	-5.518E-09
184	8.028E-07

Table 16: Joint Displacements, Part 2 of 2

Joint	R3
	Radians
185	-1.245E-08
185	1.077E-06
186	-1.555E-08
186	1.360E-06
187	6.785E-09
187	1.641E-06
188	8.668E-08
188	1.884E-06
189	1.751E-07
189	2.012E-06
190	1.461E-07
190	1.873E-06
191	-5.385E-07
191	1.331E-06
192	6.171E-07
192	6.385E-07
193	5.850E-20
193	0.
194	0.
194	1.302E-20
195	2.057E-20
195	-5.198E-20
196	-3.989E-20
196	1.800E-20
197	3.305E-20
197	1.429E-20
198	0.
198	0.
199	8.702E-20
199	9.003E-20
200	-2.153E-20
200	0.
201	7.834E-20
201	1.633E-20

Table 17: Joint Reactions, Part 1 of 2

Table 17: Joint Reactions, Part 1 of 2

Joint	OutputCase	StepType	F1	F2	F3	M1	M2
			KN	KN	KN	KN-m	KN-m
1	DEAD		1.449	-1.449	7.67	0.	0.
1	EH		-0.633	0.633	-1.666	0.	0.
2	DEAD		-1.449	-1.449	7.67	0.	0.
2	EH		0.633	0.633	-1.666	0.	0.
3	DEAD		-1.449	1.449	7.67	0.	0.
3	EH		0.633	-0.633	-1.666	0.	0.
4	DEAD		1.449	1.449	7.67	0.	0.
4	EH		-0.633	-0.633	-1.666	0.	0.

Table 17: Joint Reactions, Part 2 of 2

Table 17: Joint Reactions, Part 2 of 2

Joint	M3 KN-m
1	0.
1	0.
2	0.
2	0.
3	0.
3	0.
4	0.
4	0.

9. Area results

This section provides area results, including items such as forces and stresses.

Table 18: Element Forces - Area Shells, Part 1 of 3

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11 KN/m	F22 KN/m	F12 KN/m
6	6	5	DEAD		-6.639E-02	-0.49	1.827E-02
6	6	9	DEAD		-6.103E-02	-0.47	1.053E-02
6	6	10	DEAD		9.646E-02	-0.43	-1.034E-02
6	6	11	DEAD		9.111E-02	-0.46	-2.605E-03
6	6	5	EH		7.493E-02	2.995E-02	-0.14
6	6	9	EH		8.243E-02	6.746E-02	0.12
6	6	10	EH		-0.48	-4.586E-02	0.13
6	6	11	EH		-0.49	-8.337E-02	-0.13
7	7	11	DEAD		-9.799E-02	-1.41	-1.106E-02
7	7	10	DEAD		-9.800E-02	-1.41	-1.034E-02
7	7	12	DEAD		9.526E-02	-1.37	1.075E-02
7	7	13	DEAD		9.526E-02	-1.37	1.003E-02
7	7	11	EH		-0.47	1.550E-02	-0.2
7	7	10	EH		-0.47	4.746E-02	0.12
7	7	12	EH		-0.87	-3.351E-02	0.13
7	7	13	EH		-0.88	-6.547E-02	-0.19
8	8	13	DEAD		-0.1	-2.34	1.537E-02
8	8	12	DEAD		-9.352E-02	-2.31	9.042E-03
8	8	14	DEAD		0.11	-2.27	-1.469E-02
8	8	15	DEAD		9.890E-02	-2.3	-8.367E-03
8	8	13	EH		-0.85	5.838E-02	-0.21
8	8	12	EH		-0.86	3.857E-02	0.14
8	8	14	EH		-1.31	-5.134E-02	0.15
8	8	15	EH		-1.3	-3.152E-02	-0.2
9	9	15	DEAD		-8.907E-02	-3.24	-1.099E-02
9	9	14	DEAD		-9.043E-02	-3.25	-1.484E-02
9	9	16	DEAD		0.12	-3.21	6.807E-03
9	9	17	DEAD		0.12	-3.2	1.065E-02
9	9	15	EH		-1.28	6.933E-02	-0.22
9	9	14	EH		-1.29	4.185E-02	0.16
9	9	16	EH		-1.75	-5.080E-02	0.16

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11 KN/m	F22 KN/m	F12 KN/m
9	9	17	EH		-1.74	-2.332E-02	-0.21
10	10	17	DEAD		-7.113E-02	-4.15	-5.259E-03
10	10	16	DEAD		-7.247E-02	-4.16	3.995E-04
10	10	18	DEAD		0.15	-4.12	-2.374E-02
10	10	19	DEAD		0.15	-4.11	-2.940E-02
10	10	17	EH		-1.73	6.896E-02	-0.22
10	10	16	EH		-1.73	4.133E-02	0.16
10	10	18	EH		-2.22	-5.606E-02	0.17
10	10	19	EH		-2.21	-2.843E-02	-0.21
11	11	19	DEAD		-1.872E-02	-4.95	-8.742E-02
11	11	18	DEAD		-5.306E-02	-5.12	-3.142E-02
11	11	20	DEAD		0.13	-5.08	-1.682E-03
11	11	21	DEAD		0.16	-4.91	-5.768E-02
11	11	19	EH		-2.21	1.077E-02	-0.18
11	11	18	EH		-2.2	5.647E-02	0.18
11	11	20	EH		-2.7	-4.396E-02	0.18
11	11	21	EH		-2.71	-8.965E-02	-0.18
12	12	21	DEAD		1.323E-02	-5.65	-0.15
12	12	20	DEAD		-6.816E-02	-6.06	-2.220E-02
12	12	22	DEAD		2.511E-03	-6.04	-2.345E-02
12	12	23	DEAD		8.390E-02	-5.64	-0.15
12	12	21	EH		-2.72	-0.16	-8.212E-02
12	12	20	EH		-2.67	8.684E-02	0.2
12	12	22	EH		-3.14	-6.875E-03	0.17
12	12	23	EH		-3.19	-0.26	-0.11
13	13	23	DEAD		-4.625E-02	-6.29	-0.16
13	13	22	DEAD		-0.2	-7.04	3.478E-02
13	13	24	DEAD		-0.57	-7.11	7.754E-02
13	13	25	DEAD		-0.42	-6.36	-0.12
13	13	23	EH		-3.24	-0.5	9.994E-02
13	13	22	EH		-3.11	0.15	0.15
13	13	24	EH		-3.33	0.1	6.504E-02
13	13	25	EH		-3.46	-0.54	1.039E-02
14	14	25	DEAD		-0.78	-8.14	0.34
14	14	24	DEAD		-0.7	-7.76	8.750E-02
14	14	26	DEAD		-1.18	-7.86	0.8
14	14	27	DEAD		-1.26	-8.24	1.05
14	14	25	EH		-3.47	-0.6	0.22
14	14	24	EH		-3.33	0.13	2.212E-02
14	14	26	EH		-3.03	0.19	-0.36
14	14	27	EH		-3.18	-0.54	-0.17
15	15	27	DEAD		-2.56	-14.72	1.76
15	15	26	DEAD		-1.35	-8.68	2.83
15	15	28	DEAD		-0.42	-8.49	3.46
15	15	29	DEAD		-1.63	-14.54	2.4
15	15	27	EH		-2.89	0.9	-9.758E-02
15	15	26	EH		-3.05	7.973E-02	-1.07
15	15	28	EH		-2.57	0.18	-1.37
15	15	29	EH		-2.41	0.99	-0.4
16	16	29	DEAD		-6.55	-39.11	2.97
16	16	28	DEAD		1.51	1.19	3.1
16	16	30	DEAD		-2.46	0.4	14.62
16	16	4	DEAD		-10.52	-39.9	14.49
16	16	29	EH		-1.17	7.2	-1.36

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11	F22	F12
					KN/m	KN/m	KN/m
16	16	28	EH		-3.18	-2.87	-1.38
16	16	30	EH		1.08	-2.02	-3.48
16	16	4	EH		3.09	8.05	-3.46
17	17	9	DEAD		-7.300E-02	-0.47	-7.993E-03
17	17	31	DEAD		-7.626E-02	-0.48	-8.595E-03
17	17	32	DEAD		9.827E-02	-0.45	1.172E-02
17	17	10	DEAD		0.1	-0.43	1.232E-02
17	17	9	EH		4.553E-02	6.008E-02	2.831E-02
17	17	31	EH		4.452E-02	5.502E-02	-4.427E-03
17	17	32	EH		-0.45	-4.418E-02	-1.215E-02
17	17	10	EH		-0.45	-3.911E-02	2.059E-02
18	18	10	DEAD		-9.293E-02	-1.4	1.232E-02
18	18	32	DEAD		-8.900E-02	-1.39	1.172E-02
18	18	33	DEAD		9.585E-02	-1.35	-1.079E-02
18	18	12	DEAD		9.192E-02	-1.37	-1.018E-02
18	18	10	EH		-0.43	5.420E-02	1.661E-02
18	18	32	EH		-0.43	5.427E-02	-1.215E-02
18	18	33	EH		-0.88	-3.619E-02	-1.831E-02
18	18	12	EH		-0.88	-3.626E-02	1.044E-02
19	19	12	DEAD		-9.686E-02	-2.31	-1.188E-02
19	19	33	DEAD		-9.924E-02	-2.32	-1.079E-02
19	19	34	DEAD		0.1	-2.28	1.107E-02
19	19	14	DEAD		0.1	-2.27	9.975E-03
19	19	12	EH		-0.87	3.582E-02	1.565E-02
19	19	33	EH		-0.87	4.401E-02	-1.831E-02
19	19	34	EH		-1.3	-4.286E-02	-2.008E-02
19	19	14	EH		-1.3	-5.106E-02	1.387E-02
20	20	14	DEAD		-9.166E-02	-3.25	9.833E-03
20	20	34	DEAD		-8.833E-02	-3.23	1.107E-02
20	20	35	DEAD		0.13	-3.19	-1.514E-02
20	20	16	DEAD		0.13	-3.21	-1.638E-02
20	20	14	EH		-1.29	4.213E-02	1.958E-02
20	20	34	EH		-1.29	3.221E-02	-2.008E-02
20	20	35	EH		-1.75	-6.065E-02	-1.406E-02
20	20	16	EH		-1.75	-5.073E-02	2.560E-02
21	21	16	DEAD		-6.227E-02	-4.16	-2.279E-02
21	21	35	DEAD		-7.047E-02	-4.2	-1.514E-02
21	21	36	DEAD		0.17	-4.15	-7.498E-04
21	21	18	DEAD		0.18	-4.11	-8.398E-03
21	21	16	EH		-1.73	4.140E-02	2.952E-02
21	21	35	EH		-1.73	4.622E-02	-1.406E-02
21	21	36	EH		-2.23	-5.430E-02	-1.256E-02
21	21	18	EH		-2.23	-5.912E-02	3.102E-02
22	22	18	DEAD		-2.257E-02	-5.11	-1.608E-02
22	22	36	DEAD		-3.420E-02	-5.17	-7.498E-04
22	22	37	DEAD		0.2	-5.12	-4.909E-02
22	22	20	DEAD		0.21	-5.07	-6.441E-02
22	22	18	EH		-2.21	5.341E-02	4.007E-02
22	22	36	EH		-2.2	8.848E-02	-1.256E-02
22	22	37	EH		-2.75	-2.023E-02	9.369E-03
22	22	20	EH		-2.75	-5.530E-02	6.199E-02
23	23	20	DEAD		1.477E-02	-6.04	-8.493E-02
23	23	37	DEAD		-2.092E-02	-6.22	-4.909E-02
23	23	38	DEAD		1.723E-02	-6.21	-1.634E-02

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11 KN/m	F22 KN/m	F12 KN/m
23	23	22	DEAD		5.293E-02	-6.03	-5.219E-02
23	23	20	EH		-2.73	7.550E-02	7.990E-02
23	23	37	EH		-2.7	0.19	9.369E-03
23	23	38	EH		-3.21	9.451E-02	2.381E-02
23	23	22	EH		-3.23	-2.496E-02	9.434E-02
24	24	22	DEAD		-0.15	-7.03	6.041E-03
24	24	38	DEAD		-0.16	-7.09	-1.634E-02
24	24	39	DEAD		-0.74	-7.21	7.204E-03
24	24	24	DEAD		-0.73	-7.14	2.958E-02
24	24	22	EH		-3.2	0.13	7.830E-02
24	24	38	EH		-3.17	0.3	2.381E-02
24	24	39	EH		-3.34	0.26	3.353E-02
24	24	24	EH		-3.37	9.765E-02	8.802E-02
25	25	24	DEAD		-0.86	-7.79	3.955E-02
25	25	39	DEAD		-0.71	-7.03	7.204E-03
25	25	40	DEAD		-3.17	-7.52	0.96
25	25	26	DEAD		-3.32	-8.28	0.99
25	25	24	EH		-3.37	0.12	4.510E-02
25	25	39	EH		-3.37	0.11	3.353E-02
25	25	40	EH		-2.51	0.28	-0.23
25	25	26	EH		-2.51	0.29	-0.22
26	26	26	DEAD		-3.48	-9.1	3.01
26	26	40	DEAD		-2.01	-1.72	0.96
26	26	41	DEAD		-6.86	-2.69	2.48
26	26	28	DEAD		-8.34	-10.07	4.54
26	26	26	EH		-2.53	0.18	-0.93
26	26	40	EH		-2.92	-1.77	-0.23
26	26	41	EH		-0.37	-1.26	-0.74
26	26	28	EH		1.837E-02	0.69	-1.44
27	27	28	DEAD		-6.4	-0.39	4.18
27	27	41	DEAD		-6.61	-1.43	2.48
27	27	42	DEAD		2.62	0.42	-0.89
27	27	30	DEAD		2.83	1.46	0.8
27	27	28	EH		-0.59	-2.35	-1.45
27	27	41	EH		-0.63	-2.55	-0.74
27	27	42	EH		-2.05	-2.83	0.24
27	27	30	EH		-2.01	-2.63	-0.47
28	28	31	DEAD		-7.626E-02	-0.48	8.595E-03
28	28	43	DEAD		-7.300E-02	-0.47	7.993E-03
28	28	44	DEAD		0.1	-0.43	-1.232E-02
28	28	32	DEAD		9.827E-02	-0.45	-1.172E-02
28	28	31	EH		4.452E-02	5.502E-02	4.427E-03
28	28	43	EH		4.553E-02	6.008E-02	-2.831E-02
28	28	44	EH		-0.45	-3.911E-02	-2.059E-02
28	28	32	EH		-0.45	-4.418E-02	1.215E-02
29	29	32	DEAD		-8.900E-02	-1.39	-1.172E-02
29	29	44	DEAD		-9.293E-02	-1.4	-1.232E-02
29	29	45	DEAD		9.192E-02	-1.37	1.018E-02
29	29	33	DEAD		9.585E-02	-1.35	1.079E-02
29	29	32	EH		-0.43	5.427E-02	1.215E-02
29	29	44	EH		-0.43	5.420E-02	-1.661E-02
29	29	45	EH		-0.88	-3.626E-02	-1.044E-02
29	29	33	EH		-0.88	-3.619E-02	1.831E-02
30	30	33	DEAD		-9.924E-02	-2.32	1.079E-02

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11	F22	F12
					KN/m	KN/m	KN/m
30	30	45	DEAD		-9.686E-02	-2.31	1.188E-02
30	30	46	DEAD		0.1	-2.27	-9.975E-03
30	30	34	DEAD		0.1	-2.28	-1.107E-02
30	30	33	EH		-0.87	4.401E-02	1.831E-02
30	30	45	EH		-0.87	3.582E-02	-1.565E-02
30	30	46	EH		-1.3	-5.106E-02	-1.387E-02
30	30	34	EH		-1.3	-4.286E-02	2.008E-02
31	31	34	DEAD		-8.833E-02	-3.23	-1.107E-02
31	31	46	DEAD		-9.166E-02	-3.25	-9.833E-03
31	31	47	DEAD		0.13	-3.21	1.638E-02
31	31	35	DEAD		0.13	-3.19	1.514E-02
31	31	34	EH		-1.29	3.221E-02	2.008E-02
31	31	46	EH		-1.29	4.213E-02	-1.958E-02
31	31	47	EH		-1.75	-5.073E-02	-2.560E-02
31	31	35	EH		-1.75	-6.065E-02	1.406E-02
32	32	35	DEAD		-7.047E-02	-4.2	1.514E-02
32	32	47	DEAD		-6.227E-02	-4.16	2.279E-02
32	32	48	DEAD		0.18	-4.11	8.398E-03
32	32	36	DEAD		0.17	-4.15	7.498E-04
32	32	35	EH		-1.73	4.622E-02	1.406E-02
32	32	47	EH		-1.73	4.140E-02	-2.952E-02
32	32	48	EH		-2.23	-5.912E-02	-3.102E-02
32	32	36	EH		-2.23	-5.430E-02	1.256E-02
33	33	36	DEAD		-3.420E-02	-5.17	7.498E-04
33	33	48	DEAD		-2.257E-02	-5.11	1.608E-02
33	33	49	DEAD		0.21	-5.07	6.441E-02
33	33	37	DEAD		0.2	-5.12	4.909E-02
33	33	36	EH		-2.2	8.848E-02	1.256E-02
33	33	48	EH		-2.21	5.341E-02	-4.007E-02
33	33	49	EH		-2.75	-5.530E-02	-6.199E-02
33	33	37	EH		-2.75	-2.023E-02	-9.369E-03
34	34	37	DEAD		-2.092E-02	-6.22	4.909E-02
34	34	49	DEAD		1.477E-02	-6.04	8.493E-02
34	34	50	DEAD		5.293E-02	-6.03	5.219E-02
34	34	38	DEAD		1.723E-02	-6.21	1.634E-02
34	34	37	EH		-2.7	0.19	-9.369E-03
34	34	49	EH		-2.73	7.550E-02	-7.990E-02
34	34	50	EH		-3.23	-2.496E-02	-9.434E-02
34	34	38	EH		-3.21	9.451E-02	-2.381E-02
35	35	38	DEAD		-0.16	-7.09	1.634E-02
35	35	50	DEAD		-0.15	-7.03	-6.041E-03
35	35	51	DEAD		-0.73	-7.14	-2.958E-02
35	35	39	DEAD		-0.74	-7.21	-7.204E-03
35	35	38	EH		-3.17	0.3	-2.381E-02
35	35	50	EH		-3.2	0.13	-7.830E-02
35	35	51	EH		-3.37	9.765E-02	-8.802E-02
35	35	39	EH		-3.34	0.26	-3.353E-02
36	36	39	DEAD		-0.71	-7.03	-7.204E-03
36	36	51	DEAD		-0.86	-7.79	-3.955E-02
36	36	52	DEAD		-3.32	-8.28	-0.99
36	36	40	DEAD		-3.17	-7.52	-0.96
36	36	39	EH		-3.37	0.11	-3.353E-02
36	36	51	EH		-3.37	0.12	-4.510E-02
36	36	52	EH		-2.51	0.29	0.22

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11	F22	F12
					KN/m	KN/m	KN/m
36	36	40	EH		-2.51	0.28	0.23
37	37	40	DEAD		-2.01	-1.72	-0.96
37	37	52	DEAD		-3.48	-9.1	-3.01
37	37	53	DEAD		-8.34	-10.07	-4.54
37	37	41	DEAD		-6.86	-2.69	-2.48
37	37	40	EH		-2.92	-1.77	0.23
37	37	52	EH		-2.53	0.18	0.93
37	37	53	EH		1.837E-02	0.69	1.44
37	37	41	EH		-0.37	-1.26	0.74
38	38	41	DEAD		-6.61	-1.43	-2.48
38	38	53	DEAD		-6.4	-0.39	-4.18
38	38	54	DEAD		2.83	1.46	-0.8
38	38	42	DEAD		2.62	0.42	0.89
38	38	41	EH		-0.63	-2.55	0.74
38	38	53	EH		-0.59	-2.35	1.45
38	38	54	EH		-2.01	-2.63	0.47
38	38	42	EH		-2.05	-2.83	-0.24
39	39	43	DEAD		-6.103E-02	-0.47	-1.053E-02
39	39	6	DEAD		-6.639E-02	-0.49	-1.827E-02
39	39	55	DEAD		9.111E-02	-0.46	2.605E-03
39	39	44	DEAD		9.646E-02	-0.43	1.034E-02
39	39	43	EH		8.243E-02	6.746E-02	-0.12
39	39	6	EH		7.493E-02	2.995E-02	0.14
39	39	55	EH		-0.49	-8.337E-02	0.13
39	39	44	EH		-0.48	-4.586E-02	-0.13
40	40	44	DEAD		-9.800E-02	-1.41	1.034E-02
40	40	55	DEAD		-9.799E-02	-1.41	1.106E-02
40	40	56	DEAD		9.526E-02	-1.37	-1.003E-02
40	40	45	DEAD		9.526E-02	-1.37	-1.075E-02
40	40	44	EH		-0.47	4.746E-02	-0.12
40	40	55	EH		-0.47	1.550E-02	0.2
40	40	56	EH		-0.88	-6.547E-02	0.19
40	40	45	EH		-0.87	-3.351E-02	-0.13
41	41	45	DEAD		-9.352E-02	-2.31	-9.042E-03
41	41	56	DEAD		-0.1	-2.34	-1.537E-02
41	41	57	DEAD		9.890E-02	-2.3	8.367E-03
41	41	46	DEAD		0.11	-2.27	1.469E-02
41	41	45	EH		-0.86	3.857E-02	-0.14
41	41	56	EH		-0.85	5.838E-02	0.21
41	41	57	EH		-1.3	-3.152E-02	0.2
41	41	46	EH		-1.31	-5.134E-02	-0.15
42	42	46	DEAD		-9.043E-02	-3.25	1.484E-02
42	42	57	DEAD		-8.907E-02	-3.24	1.099E-02
42	42	58	DEAD		0.12	-3.2	-1.065E-02
42	42	47	DEAD		0.12	-3.21	-6.807E-03
42	42	46	EH		-1.29	4.185E-02	-0.16
42	42	57	EH		-1.28	6.933E-02	0.22
42	42	58	EH		-1.74	-2.332E-02	0.21
42	42	47	EH		-1.75	-5.080E-02	-0.16
43	43	47	DEAD		-7.247E-02	-4.16	-3.995E-04
43	43	58	DEAD		-7.113E-02	-4.15	5.259E-03
43	43	59	DEAD		0.15	-4.11	2.940E-02
43	43	48	DEAD		0.15	-4.12	2.374E-02
43	43	47	EH		-1.73	4.133E-02	-0.16

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11	F22	F12
					KN/m	KN/m	KN/m
43	43	58	EH		-1.73	6.896E-02	0.22
43	43	59	EH		-2.21	-2.843E-02	0.21
43	43	48	EH		-2.22	-5.606E-02	-0.17
44	44	48	DEAD		-5.306E-02	-5.12	3.142E-02
44	44	59	DEAD		-1.872E-02	-4.95	8.742E-02
44	44	60	DEAD		0.16	-4.91	5.768E-02
44	44	49	DEAD		0.13	-5.08	1.682E-03
44	44	48	EH		-2.2	5.647E-02	-0.18
44	44	59	EH		-2.21	1.077E-02	0.18
44	44	60	EH		-2.71	-8.965E-02	0.18
44	44	49	EH		-2.7	-4.396E-02	-0.18
45	45	49	DEAD		-6.816E-02	-6.06	2.220E-02
45	45	60	DEAD		1.323E-02	-5.65	0.15
45	45	61	DEAD		8.390E-02	-5.64	0.15
45	45	50	DEAD		2.511E-03	-6.04	2.345E-02
45	45	49	EH		-2.67	8.684E-02	-0.2
45	45	60	EH		-2.72	-0.16	8.212E-02
45	45	61	EH		-3.19	-0.26	0.11
45	45	50	EH		-3.14	-6.875E-03	-0.17
46	46	50	DEAD		-0.2	-7.04	-3.478E-02
46	46	61	DEAD		-4.625E-02	-6.29	0.16
46	46	62	DEAD		-0.42	-6.36	0.12
46	46	51	DEAD		-0.57	-7.11	-7.754E-02
46	46	50	EH		-3.11	0.15	-0.15
46	46	61	EH		-3.24	-0.5	-9.994E-02
46	46	62	EH		-3.46	-0.54	-1.039E-02
46	46	51	EH		-3.33	0.1	-6.504E-02
47	47	51	DEAD		-0.7	-7.76	-8.750E-02
47	47	62	DEAD		-0.78	-8.14	-0.34
47	47	63	DEAD		-1.26	-8.24	-1.05
47	47	52	DEAD		-1.18	-7.86	-0.8
47	47	51	EH		-3.33	0.13	-2.212E-02
47	47	62	EH		-3.47	-0.6	-0.22
47	47	63	EH		-3.18	-0.54	0.17
47	47	52	EH		-3.03	0.19	0.36
48	48	52	DEAD		-1.35	-8.68	-2.83
48	48	63	DEAD		-2.56	-14.72	-1.76
48	48	64	DEAD		-1.63	-14.54	-2.4
48	48	53	DEAD		-0.42	-8.49	-3.46
48	48	52	EH		-3.05	7.973E-02	1.07
48	48	63	EH		-2.89	0.9	9.758E-02
48	48	64	EH		-2.41	0.99	0.4
48	48	53	EH		-2.57	0.18	1.37
49	49	53	DEAD		1.51	1.19	-3.1
49	49	64	DEAD		-6.55	-39.11	-2.97
49	49	1	DEAD		-10.52	-39.9	-14.49
49	49	54	DEAD		-2.46	0.4	-14.62
49	49	53	EH		-3.18	-2.87	1.38
49	49	64	EH		-1.17	7.2	1.36
49	49	1	EH		3.09	8.05	3.46
49	49	54	EH		1.08	-2.02	3.48
50	50	7	DEAD		-6.639E-02	-0.49	-1.827E-02
50	50	67	DEAD		9.111E-02	-0.46	2.605E-03
50	50	66	DEAD		9.646E-02	-0.43	1.034E-02

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11 KN/m	F22 KN/m	F12 KN/m
50	50	65	DEAD		-6.103E-02	-0.47	-1.053E-02
50	50	7	EH		7.493E-02	2.995E-02	0.14
50	50	67	EH		-0.49	-8.337E-02	0.13
50	50	66	EH		-0.48	-4.586E-02	-0.13
50	50	65	EH		8.243E-02	6.746E-02	-0.12
51	51	67	DEAD		-9.799E-02	-1.41	1.106E-02
51	51	69	DEAD		9.526E-02	-1.37	-1.003E-02
51	51	68	DEAD		9.526E-02	-1.37	-1.075E-02
51	51	66	DEAD		-9.800E-02	-1.41	1.034E-02
51	51	67	EH		-0.47	1.550E-02	0.2
51	51	69	EH		-0.88	-6.547E-02	0.19
51	51	68	EH		-0.87	-3.351E-02	-0.13
51	51	66	EH		-0.47	4.746E-02	-0.12
52	52	69	DEAD		-0.1	-2.34	-1.537E-02
52	52	71	DEAD		9.890E-02	-2.3	8.367E-03
52	52	70	DEAD		0.11	-2.27	1.469E-02
52	52	68	DEAD		-9.352E-02	-2.31	-9.042E-03
52	52	69	EH		-0.85	5.838E-02	0.21
52	52	71	EH		-1.3	-3.152E-02	0.2
52	52	70	EH		-1.31	-5.134E-02	-0.15
52	52	68	EH		-0.86	3.857E-02	-0.14
53	53	71	DEAD		-8.907E-02	-3.24	1.099E-02
53	53	73	DEAD		0.12	-3.2	-1.065E-02
53	53	72	DEAD		0.12	-3.21	-6.807E-03
53	53	70	DEAD		-9.043E-02	-3.25	1.484E-02
53	53	71	EH		-1.28	6.933E-02	0.22
53	53	73	EH		-1.74	-2.332E-02	0.21
53	53	72	EH		-1.75	-5.080E-02	-0.16
53	53	70	EH		-1.29	4.185E-02	-0.16
54	54	73	DEAD		-7.113E-02	-4.15	5.259E-03
54	54	75	DEAD		0.15	-4.11	2.940E-02
54	54	74	DEAD		0.15	-4.12	2.374E-02
54	54	72	DEAD		-7.247E-02	-4.16	-3.995E-04
54	54	73	EH		-1.73	6.896E-02	0.22
54	54	75	EH		-2.21	-2.843E-02	0.21
54	54	74	EH		-2.22	-5.606E-02	-0.17
54	54	72	EH		-1.73	4.133E-02	-0.16
55	55	75	DEAD		-1.872E-02	-4.95	8.742E-02
55	55	77	DEAD		0.16	-4.91	5.768E-02
55	55	76	DEAD		0.13	-5.08	1.682E-03
55	55	74	DEAD		-5.306E-02	-5.12	3.142E-02
55	55	75	EH		-2.21	1.077E-02	0.18
55	55	77	EH		-2.71	-8.965E-02	0.18
55	55	76	EH		-2.7	-4.396E-02	-0.18
55	55	74	EH		-2.2	5.647E-02	-0.18
56	56	77	DEAD		1.323E-02	-5.65	0.15
56	56	79	DEAD		8.390E-02	-5.64	0.15
56	56	78	DEAD		2.511E-03	-6.04	2.345E-02
56	56	76	DEAD		-6.816E-02	-6.06	2.220E-02
56	56	77	EH		-2.72	-0.16	8.212E-02
56	56	79	EH		-3.19	-0.26	0.11
56	56	78	EH		-3.14	-6.875E-03	-0.17
56	56	76	EH		-2.67	8.684E-02	-0.2
57	57	79	DEAD		-4.625E-02	-6.29	0.16

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11	F22	F12
					KN/m	KN/m	KN/m
57	57	81	DEAD		-0.42	-6.36	0.12
57	57	80	DEAD		-0.57	-7.11	-7.754E-02
57	57	78	DEAD		-0.2	-7.04	-3.478E-02
57	57	79	EH		-3.24	-0.5	-9.994E-02
57	57	81	EH		-3.46	-0.54	-1.039E-02
57	57	80	EH		-3.33	0.1	-6.504E-02
57	57	78	EH		-3.11	0.15	-0.15
58	58	81	DEAD		-0.78	-8.14	-0.34
58	58	83	DEAD		-1.26	-8.24	-1.05
58	58	82	DEAD		-1.18	-7.86	-0.8
58	58	80	DEAD		-0.7	-7.76	-8.750E-02
58	58	81	EH		-3.47	-0.6	-0.22
58	58	83	EH		-3.18	-0.54	0.17
58	58	82	EH		-3.03	0.19	0.36
58	58	80	EH		-3.33	0.13	-2.212E-02
59	59	83	DEAD		-2.56	-14.72	-1.76
59	59	85	DEAD		-1.63	-14.54	-2.4
59	59	84	DEAD		-0.42	-8.49	-3.46
59	59	82	DEAD		-1.35	-8.68	-2.83
59	59	83	EH		-2.89	0.9	9.758E-02
59	59	85	EH		-2.41	0.99	0.4
59	59	84	EH		-2.57	0.18	1.37
59	59	82	EH		-3.05	7.973E-02	1.07
60	60	85	DEAD		-6.55	-39.11	-2.97
60	60	3	DEAD		-10.52	-39.9	-14.49
60	60	86	DEAD		-2.46	0.4	-14.62
60	60	84	DEAD		1.51	1.19	-3.1
60	60	85	EH		-1.17	7.2	1.36
60	60	3	EH		3.09	8.05	3.46
60	60	86	EH		1.08	-2.02	3.48
60	60	84	EH		-3.18	-2.87	1.38
61	61	65	DEAD		-7.300E-02	-0.47	7.993E-03
61	61	66	DEAD		0.1	-0.43	-1.232E-02
61	61	88	DEAD		9.827E-02	-0.45	-1.172E-02
61	61	87	DEAD		-7.626E-02	-0.48	8.595E-03
61	61	65	EH		4.553E-02	6.008E-02	-2.831E-02
61	61	66	EH		-0.45	-3.911E-02	-2.059E-02
61	61	88	EH		-0.45	-4.418E-02	1.215E-02
61	61	87	EH		4.452E-02	5.502E-02	4.427E-03
62	62	66	DEAD		-9.293E-02	-1.4	-1.232E-02
62	62	68	DEAD		9.192E-02	-1.37	1.018E-02
62	62	89	DEAD		9.585E-02	-1.35	1.079E-02
62	62	88	DEAD		-8.900E-02	-1.39	-1.172E-02
62	62	66	EH		-0.43	5.420E-02	-1.661E-02
62	62	68	EH		-0.88	-3.626E-02	-1.044E-02
62	62	89	EH		-0.88	-3.619E-02	1.831E-02
62	62	88	EH		-0.43	5.427E-02	1.215E-02
63	63	68	DEAD		-9.686E-02	-2.31	1.188E-02
63	63	70	DEAD		0.1	-2.27	-9.975E-03
63	63	90	DEAD		0.1	-2.28	-1.107E-02
63	63	89	DEAD		-9.924E-02	-2.32	1.079E-02
63	63	68	EH		-0.87	3.582E-02	-1.565E-02
63	63	70	EH		-1.3	-5.106E-02	-1.387E-02
63	63	90	EH		-1.3	-4.286E-02	2.008E-02

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11	F22	F12
					KN/m	KN/m	KN/m
63	63	89	EH		-0.87	4.401E-02	1.831E-02
64	64	70	DEAD		-9.166E-02	-3.25	-9.833E-03
64	64	72	DEAD		0.13	-3.21	1.638E-02
64	64	91	DEAD		0.13	-3.19	1.514E-02
64	64	90	DEAD		-8.833E-02	-3.23	-1.107E-02
64	64	70	EH		-1.29	4.213E-02	-1.958E-02
64	64	72	EH		-1.75	-5.073E-02	-2.560E-02
64	64	91	EH		-1.75	-6.065E-02	1.406E-02
64	64	90	EH		-1.29	3.221E-02	2.008E-02
65	65	72	DEAD		-6.227E-02	-4.16	2.279E-02
65	65	74	DEAD		0.18	-4.11	8.398E-03
65	65	92	DEAD		0.17	-4.15	7.498E-04
65	65	91	DEAD		-7.047E-02	-4.2	1.514E-02
65	65	72	EH		-1.73	4.140E-02	-2.952E-02
65	65	74	EH		-2.23	-5.912E-02	-3.102E-02
65	65	92	EH		-2.23	-5.430E-02	1.256E-02
65	65	91	EH		-1.73	4.622E-02	1.406E-02
66	66	74	DEAD		-2.257E-02	-5.11	1.608E-02
66	66	76	DEAD		0.21	-5.07	6.441E-02
66	66	93	DEAD		0.2	-5.12	4.909E-02
66	66	92	DEAD		-3.420E-02	-5.17	7.498E-04
66	66	74	EH		-2.21	5.341E-02	-4.007E-02
66	66	76	EH		-2.75	-5.530E-02	-6.199E-02
66	66	93	EH		-2.75	-2.023E-02	-9.369E-03
66	66	92	EH		-2.2	8.848E-02	1.256E-02
67	67	76	DEAD		1.477E-02	-6.04	8.493E-02
67	67	78	DEAD		5.293E-02	-6.03	5.219E-02
67	67	94	DEAD		1.723E-02	-6.21	1.634E-02
67	67	93	DEAD		-2.092E-02	-6.22	4.909E-02
67	67	76	EH		-2.73	7.550E-02	-7.990E-02
67	67	78	EH		-3.23	-2.496E-02	-9.434E-02
67	67	94	EH		-3.21	9.451E-02	-2.381E-02
67	67	93	EH		-2.7	0.19	-9.369E-03
68	68	78	DEAD		-0.15	-7.03	-6.041E-03
68	68	80	DEAD		-0.73	-7.14	-2.958E-02
68	68	95	DEAD		-0.74	-7.21	-7.204E-03
68	68	94	DEAD		-0.16	-7.09	1.634E-02
68	68	78	EH		-3.2	0.13	-7.830E-02
68	68	80	EH		-3.37	9.765E-02	-8.802E-02
68	68	95	EH		-3.34	0.26	-3.353E-02
68	68	94	EH		-3.17	0.3	-2.381E-02
69	69	80	DEAD		-0.86	-7.79	-3.955E-02
69	69	82	DEAD		-3.32	-8.28	-0.99
69	69	96	DEAD		-3.17	-7.52	-0.96
69	69	95	DEAD		-0.71	-7.03	-7.204E-03
69	69	80	EH		-3.37	0.12	-4.510E-02
69	69	82	EH		-2.51	0.29	0.22
69	69	96	EH		-2.51	0.28	0.23
69	69	95	EH		-3.37	0.11	-3.353E-02
70	70	82	DEAD		-3.48	-9.1	-3.01
70	70	84	DEAD		-8.34	-10.07	-4.54
70	70	97	DEAD		-6.86	-2.69	-2.48
70	70	96	DEAD		-2.01	-1.72	-0.96
70	70	82	EH		-2.53	0.18	0.93

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11	F22	F12
					KN/m	KN/m	KN/m
70	70	84	EH		1.837E-02	0.69	1.44
70	70	97	EH		-0.37	-1.26	0.74
70	70	96	EH		-2.92	-1.77	0.23
71	71	84	DEAD		-6.4	-0.39	-4.18
71	71	86	DEAD		2.83	1.46	-0.8
71	71	98	DEAD		2.62	0.42	0.89
71	71	97	DEAD		-6.61	-1.43	-2.48
71	71	84	EH		-0.59	-2.35	1.45
71	71	86	EH		-2.01	-2.63	0.47
71	71	98	EH		-2.05	-2.83	-0.24
71	71	97	EH		-0.63	-2.55	0.74
72	72	87	DEAD		-7.626E-02	-0.48	-8.595E-03
72	72	88	DEAD		9.827E-02	-0.45	1.172E-02
72	72	100	DEAD		0.1	-0.43	1.232E-02
72	72	99	DEAD		-7.300E-02	-0.47	-7.993E-03
72	72	87	EH		4.452E-02	5.502E-02	-4.427E-03
72	72	88	EH		-0.45	-4.418E-02	-1.215E-02
72	72	100	EH		-0.45	-3.911E-02	2.059E-02
72	72	99	EH		4.553E-02	6.008E-02	2.831E-02
73	73	88	DEAD		-8.900E-02	-1.39	1.172E-02
73	73	89	DEAD		9.585E-02	-1.35	-1.079E-02
73	73	101	DEAD		9.192E-02	-1.37	-1.018E-02
73	73	100	DEAD		-9.293E-02	-1.4	1.232E-02
73	73	88	EH		-0.43	5.427E-02	-1.215E-02
73	73	89	EH		-0.88	-3.619E-02	-1.831E-02
73	73	101	EH		-0.88	-3.626E-02	1.044E-02
73	73	100	EH		-0.43	5.420E-02	1.661E-02
74	74	89	DEAD		-9.924E-02	-2.32	-1.079E-02
74	74	90	DEAD		0.1	-2.28	1.107E-02
74	74	102	DEAD		0.1	-2.27	9.975E-03
74	74	101	DEAD		-9.686E-02	-2.31	-1.188E-02
74	74	89	EH		-0.87	4.401E-02	-1.831E-02
74	74	90	EH		-1.3	-4.286E-02	-2.008E-02
74	74	102	EH		-1.3	-5.106E-02	1.387E-02
74	74	101	EH		-0.87	3.582E-02	1.565E-02
75	75	90	DEAD		-8.833E-02	-3.23	1.107E-02
75	75	91	DEAD		0.13	-3.19	-1.514E-02
75	75	103	DEAD		0.13	-3.21	-1.638E-02
75	75	102	DEAD		-9.166E-02	-3.25	9.833E-03
75	75	90	EH		-1.29	3.221E-02	-2.008E-02
75	75	91	EH		-1.75	-6.065E-02	-1.406E-02
75	75	103	EH		-1.75	-5.073E-02	2.560E-02
75	75	102	EH		-1.29	4.213E-02	1.958E-02
76	76	91	DEAD		-7.047E-02	-4.2	-1.514E-02
76	76	92	DEAD		0.17	-4.15	-7.498E-04
76	76	104	DEAD		0.18	-4.11	-8.398E-03
76	76	103	DEAD		-6.227E-02	-4.16	-2.279E-02
76	76	91	EH		-1.73	4.622E-02	-1.406E-02
76	76	92	EH		-2.23	-5.430E-02	-1.256E-02
76	76	104	EH		-2.23	-5.912E-02	3.102E-02
76	76	103	EH		-1.73	4.140E-02	2.952E-02
77	77	92	DEAD		-3.420E-02	-5.17	-7.498E-04
77	77	93	DEAD		0.2	-5.12	-4.909E-02
77	77	105	DEAD		0.21	-5.07	-6.441E-02

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11	F22	F12
					KN/m	KN/m	KN/m
77	77	104	DEAD		-2.257E-02	-5.11	-1.608E-02
77	77	92	EH		-2.2	8.848E-02	-1.256E-02
77	77	93	EH		-2.75	-2.023E-02	9.369E-03
77	77	105	EH		-2.75	-5.530E-02	6.199E-02
77	77	104	EH		-2.21	5.341E-02	4.007E-02
78	78	93	DEAD		-2.092E-02	-6.22	-4.909E-02
78	78	94	DEAD		1.723E-02	-6.21	-1.634E-02
78	78	106	DEAD		5.293E-02	-6.03	-5.219E-02
78	78	105	DEAD		1.477E-02	-6.04	-8.493E-02
78	78	93	EH		-2.7	0.19	9.369E-03
78	78	94	EH		-3.21	9.451E-02	2.381E-02
78	78	106	EH		-3.23	-2.496E-02	9.434E-02
78	78	105	EH		-2.73	7.550E-02	7.990E-02
79	79	94	DEAD		-0.16	-7.09	-1.634E-02
79	79	95	DEAD		-0.74	-7.21	7.204E-03
79	79	107	DEAD		-0.73	-7.14	2.958E-02
79	79	106	DEAD		-0.15	-7.03	6.041E-03
79	79	94	EH		-3.17	0.3	2.381E-02
79	79	95	EH		-3.34	0.26	3.353E-02
79	79	107	EH		-3.37	9.765E-02	8.802E-02
79	79	106	EH		-3.2	0.13	7.830E-02
80	80	95	DEAD		-0.71	-7.03	7.204E-03
80	80	96	DEAD		-3.17	-7.52	0.96
80	80	108	DEAD		-3.32	-8.28	0.99
80	80	107	DEAD		-0.86	-7.79	3.955E-02
80	80	95	EH		-3.37	0.11	3.353E-02
80	80	96	EH		-2.51	0.28	-0.23
80	80	108	EH		-2.51	0.29	-0.22
80	80	107	EH		-3.37	0.12	4.510E-02
81	81	96	DEAD		-2.01	-1.72	0.96
81	81	97	DEAD		-6.86	-2.69	2.48
81	81	109	DEAD		-8.34	-10.07	4.54
81	81	108	DEAD		-3.48	-9.1	3.01
81	81	96	EH		-2.92	-1.77	-0.23
81	81	97	EH		-0.37	-1.26	-0.74
81	81	109	EH		1.837E-02	0.69	-1.44
81	81	108	EH		-2.53	0.18	-0.93
82	82	97	DEAD		-6.61	-1.43	2.48
82	82	98	DEAD		2.62	0.42	-0.89
82	82	110	DEAD		2.83	1.46	0.8
82	82	109	DEAD		-6.4	-0.39	4.18
82	82	97	EH		-0.63	-2.55	-0.74
82	82	98	EH		-2.05	-2.83	0.24
82	82	110	EH		-2.01	-2.63	-0.47
82	82	109	EH		-0.59	-2.35	-1.45
83	83	99	DEAD		-6.103E-02	-0.47	1.053E-02
83	83	100	DEAD		9.646E-02	-0.43	-1.034E-02
83	83	111	DEAD		9.111E-02	-0.46	-2.605E-03
83	83	8	DEAD		-6.639E-02	-0.49	1.827E-02
83	83	99	EH		8.243E-02	6.746E-02	0.12
83	83	100	EH		-0.48	-4.586E-02	0.13
83	83	111	EH		-0.49	-8.337E-02	-0.13
83	83	8	EH		7.493E-02	2.995E-02	-0.14
84	84	100	DEAD		-9.800E-02	-1.41	-1.034E-02

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11	F22	F12
					KN/m	KN/m	KN/m
84	84	101	DEAD		9.526E-02	-1.37	1.075E-02
84	84	112	DEAD		9.526E-02	-1.37	1.003E-02
84	84	111	DEAD		-9.799E-02	-1.41	-1.106E-02
84	84	100	EH		-0.47	4.746E-02	0.12
84	84	101	EH		-0.87	-3.351E-02	0.13
84	84	112	EH		-0.88	-6.547E-02	-0.19
84	84	111	EH		-0.47	1.550E-02	-0.2
85	85	101	DEAD		-9.352E-02	-2.31	9.042E-03
85	85	102	DEAD		0.11	-2.27	-1.469E-02
85	85	113	DEAD		9.890E-02	-2.3	-8.367E-03
85	85	112	DEAD		-0.1	-2.34	1.537E-02
85	85	101	EH		-0.86	3.857E-02	0.14
85	85	102	EH		-1.31	-5.134E-02	0.15
85	85	113	EH		-1.3	-3.152E-02	-0.2
85	85	112	EH		-0.85	5.838E-02	-0.21
86	86	102	DEAD		-9.043E-02	-3.25	-1.484E-02
86	86	103	DEAD		0.12	-3.21	6.807E-03
86	86	114	DEAD		0.12	-3.2	1.065E-02
86	86	113	DEAD		-8.907E-02	-3.24	-1.099E-02
86	86	102	EH		-1.29	4.185E-02	0.16
86	86	103	EH		-1.75	-5.080E-02	0.16
86	86	114	EH		-1.74	-2.332E-02	-0.21
86	86	113	EH		-1.28	6.933E-02	-0.22
87	87	103	DEAD		-7.247E-02	-4.16	3.995E-04
87	87	104	DEAD		0.15	-4.12	-2.374E-02
87	87	115	DEAD		0.15	-4.11	-2.940E-02
87	87	114	DEAD		-7.113E-02	-4.15	-5.259E-03
87	87	103	EH		-1.73	4.133E-02	0.16
87	87	104	EH		-2.22	-5.606E-02	0.17
87	87	115	EH		-2.21	-2.843E-02	-0.21
87	87	114	EH		-1.73	6.896E-02	-0.22
88	88	104	DEAD		-5.306E-02	-5.12	-3.142E-02
88	88	105	DEAD		0.13	-5.08	-1.682E-03
88	88	116	DEAD		0.16	-4.91	-5.768E-02
88	88	115	DEAD		-1.872E-02	-4.95	-8.742E-02
88	88	104	EH		-2.2	5.647E-02	0.18
88	88	105	EH		-2.7	-4.396E-02	0.18
88	88	116	EH		-2.71	-8.965E-02	-0.18
88	88	115	EH		-2.21	1.077E-02	-0.18
89	89	105	DEAD		-6.816E-02	-6.06	-2.220E-02
89	89	106	DEAD		2.511E-03	-6.04	-2.345E-02
89	89	117	DEAD		8.390E-02	-5.64	-0.15
89	89	116	DEAD		1.323E-02	-5.65	-0.15
89	89	105	EH		-2.67	8.684E-02	0.2
89	89	106	EH		-3.14	-6.875E-03	0.17
89	89	117	EH		-3.19	-0.26	-0.11
89	89	116	EH		-2.72	-0.16	-8.212E-02
90	90	106	DEAD		-0.2	-7.04	3.478E-02
90	90	107	DEAD		-0.57	-7.11	7.754E-02
90	90	118	DEAD		-0.42	-6.36	-0.12
90	90	117	DEAD		-4.625E-02	-6.29	-0.16
90	90	106	EH		-3.11	0.15	0.15
90	90	107	EH		-3.33	0.1	6.504E-02
90	90	118	EH		-3.46	-0.54	1.039E-02

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11 KN/m	F22 KN/m	F12 KN/m
90	90	117	EH		-3.24	-0.5	9.994E-02
91	91	107	DEAD		-0.7	-7.76	8.750E-02
91	91	108	DEAD		-1.18	-7.86	0.8
91	91	119	DEAD		-1.26	-8.24	1.05
91	91	118	DEAD		-0.78	-8.14	0.34
91	91	107	EH		-3.33	0.13	2.212E-02
91	91	108	EH		-3.03	0.19	-0.36
91	91	119	EH		-3.18	-0.54	-0.17
91	91	118	EH		-3.47	-0.6	0.22
92	92	108	DEAD		-1.35	-8.68	2.83
92	92	109	DEAD		-0.42	-8.49	3.46
92	92	120	DEAD		-1.63	-14.54	2.4
92	92	119	DEAD		-2.56	-14.72	1.76
92	92	108	EH		-3.05	7.973E-02	-1.07
92	92	109	EH		-2.57	0.18	-1.37
92	92	120	EH		-2.41	0.99	-0.4
92	92	119	EH		-2.89	0.9	-9.758E-02
93	93	109	DEAD		1.51	1.19	3.1
93	93	110	DEAD		-2.46	0.4	14.62
93	93	2	DEAD		-10.52	-39.9	14.49
93	93	120	DEAD		-6.55	-39.11	2.97
93	93	109	EH		-3.18	-2.87	-1.38
93	93	110	EH		1.08	-2.02	-3.48
93	93	2	EH		3.09	8.05	-3.46
93	93	120	EH		-1.17	7.2	-1.36
94	94	5	DEAD		-6.639E-02	-0.49	-1.827E-02
94	94	11	DEAD		9.111E-02	-0.46	2.605E-03
94	94	122	DEAD		9.646E-02	-0.43	1.034E-02
94	94	121	DEAD		-6.103E-02	-0.47	-1.053E-02
94	94	5	EH		7.493E-02	2.995E-02	0.14
94	94	11	EH		-0.49	-8.337E-02	0.13
94	94	122	EH		-0.48	-4.586E-02	-0.13
94	94	121	EH		8.243E-02	6.746E-02	-0.12
95	95	11	DEAD		-9.799E-02	-1.41	1.106E-02
95	95	13	DEAD		9.526E-02	-1.37	-1.003E-02
95	95	123	DEAD		9.526E-02	-1.37	-1.075E-02
95	95	122	DEAD		-9.800E-02	-1.41	1.034E-02
95	95	11	EH		-0.47	1.550E-02	0.2
95	95	13	EH		-0.88	-6.547E-02	0.19
95	95	123	EH		-0.87	-3.351E-02	-0.13
95	95	122	EH		-0.47	4.746E-02	-0.12
96	96	13	DEAD		-0.1	-2.34	-1.537E-02
96	96	15	DEAD		9.890E-02	-2.3	8.367E-03
96	96	124	DEAD		0.11	-2.27	1.469E-02
96	96	123	DEAD		-9.352E-02	-2.31	-9.042E-03
96	96	13	EH		-0.85	5.838E-02	0.21
96	96	15	EH		-1.3	-3.152E-02	0.2
96	96	124	EH		-1.31	-5.134E-02	-0.15
96	96	123	EH		-0.86	3.857E-02	-0.14
97	97	15	DEAD		-8.907E-02	-3.24	1.099E-02
97	97	17	DEAD		0.12	-3.2	-1.065E-02
97	97	125	DEAD		0.12	-3.21	-6.807E-03
97	97	124	DEAD		-9.043E-02	-3.25	1.484E-02
97	97	15	EH		-1.28	6.933E-02	0.22

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11	F22	F12
					KN/m	KN/m	KN/m
97	97	17	EH		-1.74	-2.332E-02	0.21
97	97	125	EH		-1.75	-5.080E-02	-0.16
97	97	124	EH		-1.29	4.185E-02	-0.16
98	98	17	DEAD		-7.113E-02	-4.15	5.259E-03
98	98	19	DEAD		0.15	-4.11	2.940E-02
98	98	126	DEAD		0.15	-4.12	2.374E-02
98	98	125	DEAD		-7.247E-02	-4.16	-3.995E-04
98	98	17	EH		-1.73	6.896E-02	0.22
98	98	19	EH		-2.21	-2.843E-02	0.21
98	98	126	EH		-2.22	-5.606E-02	-0.17
98	98	125	EH		-1.73	4.133E-02	-0.16
99	99	19	DEAD		-1.872E-02	-4.95	8.742E-02
99	99	21	DEAD		0.16	-4.91	5.768E-02
99	99	127	DEAD		0.13	-5.08	1.682E-03
99	99	126	DEAD		-5.306E-02	-5.12	3.142E-02
99	99	19	EH		-2.21	1.077E-02	0.18
99	99	21	EH		-2.71	-8.965E-02	0.18
99	99	127	EH		-2.7	-4.396E-02	-0.18
99	99	126	EH		-2.2	5.647E-02	-0.18
100	100	21	DEAD		1.323E-02	-5.65	0.15
100	100	23	DEAD		8.390E-02	-5.64	0.15
100	100	128	DEAD		2.511E-03	-6.04	2.345E-02
100	100	127	DEAD		-6.816E-02	-6.06	2.220E-02
100	100	21	EH		-2.72	-0.16	8.212E-02
100	100	23	EH		-3.19	-0.26	0.11
100	100	128	EH		-3.14	-6.875E-03	-0.17
100	100	127	EH		-2.67	8.684E-02	-0.2
101	101	23	DEAD		-4.625E-02	-6.29	0.16
101	101	25	DEAD		-0.42	-6.36	0.12
101	101	129	DEAD		-0.57	-7.11	-7.754E-02
101	101	128	DEAD		-0.2	-7.04	-3.478E-02
101	101	23	EH		-3.24	-0.5	-9.994E-02
101	101	25	EH		-3.46	-0.54	-1.039E-02
101	101	129	EH		-3.33	0.1	-6.504E-02
101	101	128	EH		-3.11	0.15	-0.15
102	102	25	DEAD		-0.78	-8.14	-0.34
102	102	27	DEAD		-1.26	-8.24	-1.05
102	102	130	DEAD		-1.18	-7.86	-0.8
102	102	129	DEAD		-0.7	-7.76	-8.750E-02
102	102	25	EH		-3.47	-0.6	-0.22
102	102	27	EH		-3.18	-0.54	0.17
102	102	130	EH		-3.03	0.19	0.36
102	102	129	EH		-3.33	0.13	-2.212E-02
103	103	27	DEAD		-2.56	-14.72	-1.76
103	103	29	DEAD		-1.63	-14.54	-2.4
103	103	131	DEAD		-0.42	-8.49	-3.46
103	103	130	DEAD		-1.35	-8.68	-2.83
103	103	27	EH		-2.89	0.9	9.758E-02
103	103	29	EH		-2.41	0.99	0.4
103	103	131	EH		-2.57	0.18	1.37
103	103	130	EH		-3.05	7.973E-02	1.07
104	104	29	DEAD		-6.55	-39.11	-2.97
104	104	4	DEAD		-10.52	-39.9	-14.49
104	104	132	DEAD		-2.46	0.4	-14.62

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11	F22	F12
					KN/m	KN/m	KN/m
104	104	131	DEAD		1.51	1.19	-3.1
104	104	29	EH		-1.17	7.2	1.36
104	104	4	EH		3.09	8.05	3.46
104	104	132	EH		1.08	-2.02	3.48
104	104	131	EH		-3.18	-2.87	1.38
105	105	121	DEAD		-7.300E-02	-0.47	7.993E-03
105	105	122	DEAD		0.1	-0.43	-1.232E-02
105	105	134	DEAD		9.827E-02	-0.45	-1.172E-02
105	105	133	DEAD		-7.626E-02	-0.48	8.595E-03
105	105	121	EH		4.553E-02	6.008E-02	-2.831E-02
105	105	122	EH		-0.45	-3.911E-02	-2.059E-02
105	105	134	EH		-0.45	-4.418E-02	1.215E-02
105	105	133	EH		4.452E-02	5.502E-02	4.427E-03
106	106	122	DEAD		-9.293E-02	-1.4	-1.232E-02
106	106	123	DEAD		9.192E-02	-1.37	1.018E-02
106	106	135	DEAD		9.585E-02	-1.35	1.079E-02
106	106	134	DEAD		-8.900E-02	-1.39	-1.172E-02
106	106	122	EH		-0.43	5.420E-02	-1.661E-02
106	106	123	EH		-0.88	-3.626E-02	-1.044E-02
106	106	135	EH		-0.88	-3.619E-02	1.831E-02
106	106	134	EH		-0.43	5.427E-02	1.215E-02
107	107	123	DEAD		-9.686E-02	-2.31	1.188E-02
107	107	124	DEAD		0.1	-2.27	-9.975E-03
107	107	136	DEAD		0.1	-2.28	-1.107E-02
107	107	135	DEAD		-9.924E-02	-2.32	1.079E-02
107	107	123	EH		-0.87	3.582E-02	-1.565E-02
107	107	124	EH		-1.3	-5.106E-02	-1.387E-02
107	107	136	EH		-1.3	-4.286E-02	2.008E-02
107	107	135	EH		-0.87	4.401E-02	1.831E-02
108	108	124	DEAD		-9.166E-02	-3.25	-9.833E-03
108	108	125	DEAD		0.13	-3.21	1.638E-02
108	108	137	DEAD		0.13	-3.19	1.514E-02
108	108	136	DEAD		-8.833E-02	-3.23	-1.107E-02
108	108	124	EH		-1.29	4.213E-02	-1.958E-02
108	108	125	EH		-1.75	-5.073E-02	-2.560E-02
108	108	137	EH		-1.75	-6.065E-02	1.406E-02
108	108	136	EH		-1.29	3.221E-02	2.008E-02
109	109	125	DEAD		-6.227E-02	-4.16	2.279E-02
109	109	126	DEAD		0.18	-4.11	8.398E-03
109	109	138	DEAD		0.17	-4.15	7.498E-04
109	109	137	DEAD		-7.047E-02	-4.2	1.514E-02
109	109	125	EH		-1.73	4.140E-02	-2.952E-02
109	109	126	EH		-2.23	-5.912E-02	-3.102E-02
109	109	138	EH		-2.23	-5.430E-02	1.256E-02
109	109	137	EH		-1.73	4.622E-02	1.406E-02
110	110	126	DEAD		-2.257E-02	-5.11	1.608E-02
110	110	127	DEAD		0.21	-5.07	6.441E-02
110	110	139	DEAD		0.2	-5.12	4.909E-02
110	110	138	DEAD		-3.420E-02	-5.17	7.498E-04
110	110	126	EH		-2.21	5.341E-02	-4.007E-02
110	110	127	EH		-2.75	-5.530E-02	-6.199E-02
110	110	139	EH		-2.75	-2.023E-02	-9.369E-03
110	110	138	EH		-2.2	8.848E-02	1.256E-02
111	111	127	DEAD		1.477E-02	-6.04	8.493E-02

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11	F22	F12
					KN/m	KN/m	KN/m
111	111	128	DEAD		5.293E-02	-6.03	5.219E-02
111	111	140	DEAD		1.723E-02	-6.21	1.634E-02
111	111	139	DEAD		-2.092E-02	-6.22	4.909E-02
111	111	127	EH		-2.73	7.550E-02	-7.990E-02
111	111	128	EH		-3.23	-2.496E-02	-9.434E-02
111	111	140	EH		-3.21	9.451E-02	-2.381E-02
111	111	139	EH		-2.7	0.19	-9.369E-03
112	112	128	DEAD		-0.15	-7.03	-6.041E-03
112	112	129	DEAD		-0.73	-7.14	-2.958E-02
112	112	141	DEAD		-0.74	-7.21	-7.204E-03
112	112	140	DEAD		-0.16	-7.09	1.634E-02
112	112	128	EH		-3.2	0.13	-7.830E-02
112	112	129	EH		-3.37	9.765E-02	-8.802E-02
112	112	141	EH		-3.34	0.26	-3.353E-02
112	112	140	EH		-3.17	0.3	-2.381E-02
113	113	129	DEAD		-0.86	-7.79	-3.955E-02
113	113	130	DEAD		-3.32	-8.28	-0.99
113	113	142	DEAD		-3.17	-7.52	-0.96
113	113	141	DEAD		-0.71	-7.03	-7.204E-03
113	113	129	EH		-3.37	0.12	-4.510E-02
113	113	130	EH		-2.51	0.29	0.22
113	113	142	EH		-2.51	0.28	0.23
113	113	141	EH		-3.37	0.11	-3.353E-02
114	114	130	DEAD		-3.48	-9.1	-3.01
114	114	131	DEAD		-8.34	-10.07	-4.54
114	114	143	DEAD		-6.86	-2.69	-2.48
114	114	142	DEAD		-2.01	-1.72	-0.96
114	114	130	EH		-2.53	0.18	0.93
114	114	131	EH		1.837E-02	0.69	1.44
114	114	143	EH		-0.37	-1.26	0.74
114	114	142	EH		-2.92	-1.77	0.23
115	115	131	DEAD		-6.4	-0.39	-4.18
115	115	132	DEAD		2.83	1.46	-0.8
115	115	144	DEAD		2.62	0.42	0.89
115	115	143	DEAD		-6.61	-1.43	-2.48
115	115	131	EH		-0.59	-2.35	1.45
115	115	132	EH		-2.01	-2.63	0.47
115	115	144	EH		-2.05	-2.83	-0.24
115	115	143	EH		-0.63	-2.55	0.74
116	116	133	DEAD		-7.626E-02	-0.48	-8.595E-03
116	116	134	DEAD		9.827E-02	-0.45	1.172E-02
116	116	146	DEAD		0.1	-0.43	1.232E-02
116	116	145	DEAD		-7.300E-02	-0.47	-7.993E-03
116	116	133	EH		4.452E-02	5.502E-02	-4.427E-03
116	116	134	EH		-0.45	-4.418E-02	-1.215E-02
116	116	146	EH		-0.45	-3.911E-02	2.059E-02
116	116	145	EH		4.553E-02	6.008E-02	2.831E-02
117	117	134	DEAD		-8.900E-02	-1.39	1.172E-02
117	117	135	DEAD		9.585E-02	-1.35	-1.079E-02
117	117	147	DEAD		9.192E-02	-1.37	-1.018E-02
117	117	146	DEAD		-9.293E-02	-1.4	1.232E-02
117	117	134	EH		-0.43	5.427E-02	-1.215E-02
117	117	135	EH		-0.88	-3.619E-02	-1.831E-02
117	117	147	EH		-0.88	-3.626E-02	1.044E-02

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11	F22	F12
					KN/m	KN/m	KN/m
117	117	146	EH		-0.43	5.420E-02	1.661E-02
118	118	135	DEAD		-9.924E-02	-2.32	-1.079E-02
118	118	136	DEAD		0.1	-2.28	1.107E-02
118	118	148	DEAD		0.1	-2.27	9.975E-03
118	118	147	DEAD		-9.686E-02	-2.31	-1.188E-02
118	118	135	EH		-0.87	4.401E-02	-1.831E-02
118	118	136	EH		-1.3	-4.286E-02	-2.008E-02
118	118	148	EH		-1.3	-5.106E-02	1.387E-02
118	118	147	EH		-0.87	3.582E-02	1.565E-02
119	119	136	DEAD		-8.833E-02	-3.23	1.107E-02
119	119	137	DEAD		0.13	-3.19	-1.514E-02
119	119	149	DEAD		0.13	-3.21	-1.638E-02
119	119	148	DEAD		-9.166E-02	-3.25	9.833E-03
119	119	136	EH		-1.29	3.221E-02	-2.008E-02
119	119	137	EH		-1.75	-6.065E-02	-1.406E-02
119	119	149	EH		-1.75	-5.073E-02	2.560E-02
119	119	148	EH		-1.29	4.213E-02	1.958E-02
120	120	137	DEAD		-7.047E-02	-4.2	-1.514E-02
120	120	138	DEAD		0.17	-4.15	-7.498E-04
120	120	150	DEAD		0.18	-4.11	-8.398E-03
120	120	149	DEAD		-6.227E-02	-4.16	-2.279E-02
120	120	137	EH		-1.73	4.622E-02	-1.406E-02
120	120	138	EH		-2.23	-5.430E-02	-1.256E-02
120	120	150	EH		-2.23	-5.912E-02	3.102E-02
120	120	149	EH		-1.73	4.140E-02	2.952E-02
121	121	138	DEAD		-3.420E-02	-5.17	-7.498E-04
121	121	139	DEAD		0.2	-5.12	-4.909E-02
121	121	151	DEAD		0.21	-5.07	-6.441E-02
121	121	150	DEAD		-2.257E-02	-5.11	-1.608E-02
121	121	138	EH		-2.2	8.848E-02	-1.256E-02
121	121	139	EH		-2.75	-2.023E-02	9.369E-03
121	121	151	EH		-2.75	-5.530E-02	6.199E-02
121	121	150	EH		-2.21	5.341E-02	4.007E-02
122	122	139	DEAD		-2.092E-02	-6.22	-4.909E-02
122	122	140	DEAD		1.723E-02	-6.21	-1.634E-02
122	122	152	DEAD		5.293E-02	-6.03	-5.219E-02
122	122	151	DEAD		1.477E-02	-6.04	-8.493E-02
122	122	139	EH		-2.7	0.19	9.369E-03
122	122	140	EH		-3.21	9.451E-02	2.381E-02
122	122	152	EH		-3.23	-2.496E-02	9.434E-02
122	122	151	EH		-2.73	7.550E-02	7.990E-02
123	123	140	DEAD		-0.16	-7.09	-1.634E-02
123	123	141	DEAD		-0.74	-7.21	7.204E-03
123	123	153	DEAD		-0.73	-7.14	2.958E-02
123	123	152	DEAD		-0.15	-7.03	6.041E-03
123	123	140	EH		-3.17	0.3	2.381E-02
123	123	141	EH		-3.34	0.26	3.353E-02
123	123	153	EH		-3.37	9.765E-02	8.802E-02
123	123	152	EH		-3.2	0.13	7.830E-02
124	124	141	DEAD		-0.71	-7.03	7.204E-03
124	124	142	DEAD		-3.17	-7.52	0.96
124	124	154	DEAD		-3.32	-8.28	0.99
124	124	153	DEAD		-0.86	-7.79	3.955E-02
124	124	141	EH		-3.37	0.11	3.353E-02

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11 KN/m	F22 KN/m	F12 KN/m
124	124	142	EH		-2.51	0.28	-0.23
124	124	154	EH		-2.51	0.29	-0.22
124	124	153	EH		-3.37	0.12	4.510E-02
125	125	142	DEAD		-2.01	-1.72	0.96
125	125	143	DEAD		-6.86	-2.69	2.48
125	125	155	DEAD		-8.34	-10.07	4.54
125	125	154	DEAD		-3.48	-9.1	3.01
125	125	142	EH		-2.92	-1.77	-0.23
125	125	143	EH		-0.37	-1.26	-0.74
125	125	155	EH		1.837E-02	0.69	-1.44
125	125	154	EH		-2.53	0.18	-0.93
126	126	143	DEAD		-6.61	-1.43	2.48
126	126	144	DEAD		2.62	0.42	-0.89
126	126	156	DEAD		2.83	1.46	0.8
126	126	155	DEAD		-6.4	-0.39	4.18
126	126	143	EH		-0.63	-2.55	-0.74
126	126	144	EH		-2.05	-2.83	0.24
126	126	156	EH		-2.01	-2.63	-0.47
126	126	155	EH		-0.59	-2.35	-1.45
127	127	145	DEAD		-6.103E-02	-0.47	1.053E-02
127	127	146	DEAD		9.646E-02	-0.43	-1.034E-02
127	127	67	DEAD		9.111E-02	-0.46	-2.605E-03
127	127	7	DEAD		-6.639E-02	-0.49	1.827E-02
127	127	145	EH		8.243E-02	6.746E-02	0.12
127	127	146	EH		-0.48	-4.586E-02	0.13
127	127	67	EH		-0.49	-8.337E-02	-0.13
127	127	7	EH		7.493E-02	2.995E-02	-0.14
128	128	146	DEAD		-9.800E-02	-1.41	-1.034E-02
128	128	147	DEAD		9.526E-02	-1.37	1.075E-02
128	128	69	DEAD		9.526E-02	-1.37	1.003E-02
128	128	67	DEAD		-9.799E-02	-1.41	-1.106E-02
128	128	146	EH		-0.47	4.746E-02	0.12
128	128	147	EH		-0.87	-3.351E-02	0.13
128	128	69	EH		-0.88	-6.547E-02	-0.19
128	128	67	EH		-0.47	1.550E-02	-0.2
129	129	147	DEAD		-9.352E-02	-2.31	9.042E-03
129	129	148	DEAD		0.11	-2.27	-1.469E-02
129	129	71	DEAD		9.890E-02	-2.3	-8.367E-03
129	129	69	DEAD		-0.1	-2.34	1.537E-02
129	129	147	EH		-0.86	3.857E-02	0.14
129	129	148	EH		-1.31	-5.134E-02	0.15
129	129	71	EH		-1.3	-3.152E-02	-0.2
129	129	69	EH		-0.85	5.838E-02	-0.21
130	130	148	DEAD		-9.043E-02	-3.25	-1.484E-02
130	130	149	DEAD		0.12	-3.21	6.807E-03
130	130	73	DEAD		0.12	-3.2	1.065E-02
130	130	71	DEAD		-8.907E-02	-3.24	-1.099E-02
130	130	148	EH		-1.29	4.185E-02	0.16
130	130	149	EH		-1.75	-5.080E-02	0.16
130	130	73	EH		-1.74	-2.332E-02	-0.21
130	130	71	EH		-1.28	6.933E-02	-0.22
131	131	149	DEAD		-7.247E-02	-4.16	3.995E-04
131	131	150	DEAD		0.15	-4.12	-2.374E-02
131	131	75	DEAD		0.15	-4.11	-2.940E-02

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11	F22	F12
					KN/m	KN/m	KN/m
131	131	73	DEAD		-7.113E-02	-4.15	-5.259E-03
131	131	149	EH		-1.73	4.133E-02	0.16
131	131	150	EH		-2.22	-5.606E-02	0.17
131	131	75	EH		-2.21	-2.843E-02	-0.21
131	131	73	EH		-1.73	6.896E-02	-0.22
132	132	150	DEAD		-5.306E-02	-5.12	-3.142E-02
132	132	151	DEAD		0.13	-5.08	-1.682E-03
132	132	77	DEAD		0.16	-4.91	-5.768E-02
132	132	75	DEAD		-1.872E-02	-4.95	-8.742E-02
132	132	150	EH		-2.2	5.647E-02	0.18
132	132	151	EH		-2.7	-4.396E-02	0.18
132	132	77	EH		-2.71	-8.965E-02	-0.18
132	132	75	EH		-2.21	1.077E-02	-0.18
133	133	151	DEAD		-6.816E-02	-6.06	-2.220E-02
133	133	152	DEAD		2.511E-03	-6.04	-2.345E-02
133	133	79	DEAD		8.390E-02	-5.64	-0.15
133	133	77	DEAD		1.323E-02	-5.65	-0.15
133	133	151	EH		-2.67	8.684E-02	0.2
133	133	152	EH		-3.14	-6.875E-03	0.17
133	133	79	EH		-3.19	-0.26	-0.11
133	133	77	EH		-2.72	-0.16	-8.212E-02
134	134	152	DEAD		-0.2	-7.04	3.478E-02
134	134	153	DEAD		-0.57	-7.11	7.754E-02
134	134	81	DEAD		-0.42	-6.36	-0.12
134	134	79	DEAD		-4.625E-02	-6.29	-0.16
134	134	152	EH		-3.11	0.15	0.15
134	134	153	EH		-3.33	0.1	6.504E-02
134	134	81	EH		-3.46	-0.54	1.039E-02
134	134	79	EH		-3.24	-0.5	9.994E-02
135	135	153	DEAD		-0.7	-7.76	8.750E-02
135	135	154	DEAD		-1.18	-7.86	0.8
135	135	83	DEAD		-1.26	-8.24	1.05
135	135	81	DEAD		-0.78	-8.14	0.34
135	135	153	EH		-3.33	0.13	2.212E-02
135	135	154	EH		-3.03	0.19	-0.36
135	135	83	EH		-3.18	-0.54	-0.17
135	135	81	EH		-3.47	-0.6	0.22
136	136	154	DEAD		-1.35	-8.68	2.83
136	136	155	DEAD		-0.42	-8.49	3.46
136	136	85	DEAD		-1.63	-14.54	2.4
136	136	83	DEAD		-2.56	-14.72	1.76
136	136	154	EH		-3.05	7.973E-02	-1.07
136	136	155	EH		-2.57	0.18	-1.37
136	136	85	EH		-2.41	0.99	-0.4
136	136	83	EH		-2.89	0.9	-9.758E-02
137	137	155	DEAD		1.51	1.19	3.1
137	137	156	DEAD		-2.46	0.4	14.62
137	137	3	DEAD		-10.52	-39.9	14.49
137	137	85	DEAD		-6.55	-39.11	2.97
137	137	155	EH		-3.18	-2.87	-1.38
137	137	156	EH		1.08	-2.02	-3.48
137	137	3	EH		3.09	8.05	-3.46
137	137	85	EH		-1.17	7.2	-1.36
138	138	6	DEAD		-6.639E-02	-0.49	1.827E-02

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11	F22	F12
					KN/m	KN/m	KN/m
138	138	157	DEAD		-6.103E-02	-0.47	1.053E-02
138	138	158	DEAD		9.646E-02	-0.43	-1.034E-02
138	138	55	DEAD		9.111E-02	-0.46	-2.605E-03
138	138	6	EH		7.493E-02	2.995E-02	-0.14
138	138	157	EH		8.243E-02	6.746E-02	0.12
138	138	158	EH		-0.48	-4.586E-02	0.13
138	138	55	EH		-0.49	-8.337E-02	-0.13
139	139	55	DEAD		-9.799E-02	-1.41	-1.106E-02
139	139	158	DEAD		-9.800E-02	-1.41	-1.034E-02
139	139	159	DEAD		9.526E-02	-1.37	1.075E-02
139	139	56	DEAD		9.526E-02	-1.37	1.003E-02
139	139	55	EH		-0.47	1.550E-02	-0.2
139	139	158	EH		-0.47	4.746E-02	0.12
139	139	159	EH		-0.87	-3.351E-02	0.13
139	139	56	EH		-0.88	-6.547E-02	-0.19
140	140	56	DEAD		-0.1	-2.34	1.537E-02
140	140	159	DEAD		-9.352E-02	-2.31	9.042E-03
140	140	160	DEAD		0.11	-2.27	-1.469E-02
140	140	57	DEAD		9.890E-02	-2.3	-8.367E-03
140	140	56	EH		-0.85	5.838E-02	-0.21
140	140	159	EH		-0.86	3.857E-02	0.14
140	140	160	EH		-1.31	-5.134E-02	0.15
140	140	57	EH		-1.3	-3.152E-02	-0.2
141	141	57	DEAD		-8.907E-02	-3.24	-1.099E-02
141	141	160	DEAD		-9.043E-02	-3.25	-1.484E-02
141	141	161	DEAD		0.12	-3.21	6.807E-03
141	141	58	DEAD		0.12	-3.2	1.065E-02
141	141	57	EH		-1.28	6.933E-02	-0.22
141	141	160	EH		-1.29	4.185E-02	0.16
141	141	161	EH		-1.75	-5.080E-02	0.16
141	141	58	EH		-1.74	-2.332E-02	-0.21
142	142	58	DEAD		-7.113E-02	-4.15	-5.259E-03
142	142	161	DEAD		-7.247E-02	-4.16	3.995E-04
142	142	162	DEAD		0.15	-4.12	-2.374E-02
142	142	59	DEAD		0.15	-4.11	-2.940E-02
142	142	58	EH		-1.73	6.896E-02	-0.22
142	142	161	EH		-1.73	4.133E-02	0.16
142	142	162	EH		-2.22	-5.606E-02	0.17
142	142	59	EH		-2.21	-2.843E-02	-0.21
143	143	59	DEAD		-1.872E-02	-4.95	-8.742E-02
143	143	162	DEAD		-5.306E-02	-5.12	-3.142E-02
143	143	163	DEAD		0.13	-5.08	-1.682E-03
143	143	60	DEAD		0.16	-4.91	-5.768E-02
143	143	59	EH		-2.21	1.077E-02	-0.18
143	143	162	EH		-2.2	5.647E-02	0.18
143	143	163	EH		-2.7	-4.396E-02	0.18
143	143	60	EH		-2.71	-8.965E-02	-0.18
144	144	60	DEAD		1.323E-02	-5.65	-0.15
144	144	163	DEAD		-6.816E-02	-6.06	-2.220E-02
144	144	164	DEAD		2.511E-03	-6.04	-2.345E-02
144	144	61	DEAD		8.390E-02	-5.64	-0.15
144	144	60	EH		-2.72	-0.16	-8.212E-02
144	144	163	EH		-2.67	8.684E-02	0.2
144	144	164	EH		-3.14	-6.875E-03	0.17

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11 KN/m	F22 KN/m	F12 KN/m
144	144	61	EH		-3.19	-0.26	-0.11
145	145	61	DEAD		-4.625E-02	-6.29	-0.16
145	145	164	DEAD		-0.2	-7.04	3.478E-02
145	145	165	DEAD		-0.57	-7.11	7.754E-02
145	145	62	DEAD		-0.42	-6.36	-0.12
145	145	61	EH		-3.24	-0.5	9.994E-02
145	145	164	EH		-3.11	0.15	0.15
145	145	165	EH		-3.33	0.1	6.504E-02
145	145	62	EH		-3.46	-0.54	1.039E-02
146	146	62	DEAD		-0.78	-8.14	0.34
146	146	165	DEAD		-0.7	-7.76	8.750E-02
146	146	166	DEAD		-1.18	-7.86	0.8
146	146	63	DEAD		-1.26	-8.24	1.05
146	146	62	EH		-3.47	-0.6	0.22
146	146	165	EH		-3.33	0.13	2.212E-02
146	146	166	EH		-3.03	0.19	-0.36
146	146	63	EH		-3.18	-0.54	-0.17
147	147	63	DEAD		-2.56	-14.72	1.76
147	147	166	DEAD		-1.35	-8.68	2.83
147	147	167	DEAD		-0.42	-8.49	3.46
147	147	64	DEAD		-1.63	-14.54	2.4
147	147	63	EH		-2.89	0.9	-9.758E-02
147	147	166	EH		-3.05	7.973E-02	-1.07
147	147	167	EH		-2.57	0.18	-1.37
147	147	64	EH		-2.41	0.99	-0.4
148	148	64	DEAD		-6.55	-39.11	2.97
148	148	167	DEAD		1.51	1.19	3.1
148	148	168	DEAD		-2.46	0.4	14.62
148	148	1	DEAD		-10.52	-39.9	14.49
148	148	64	EH		-1.17	7.2	-1.36
148	148	167	EH		-3.18	-2.87	-1.38
148	148	168	EH		1.08	-2.02	-3.48
148	148	1	EH		3.09	8.05	-3.46
149	149	157	DEAD		-7.300E-02	-0.47	-7.993E-03
149	149	169	DEAD		-7.626E-02	-0.48	-8.595E-03
149	149	170	DEAD		9.827E-02	-0.45	1.172E-02
149	149	158	DEAD		0.1	-0.43	1.232E-02
149	149	157	EH		4.553E-02	6.008E-02	2.831E-02
149	149	169	EH		4.452E-02	5.502E-02	-4.427E-03
149	149	170	EH		-0.45	-4.418E-02	-1.215E-02
149	149	158	EH		-0.45	-3.911E-02	2.059E-02
150	150	158	DEAD		-9.293E-02	-1.4	1.232E-02
150	150	170	DEAD		-8.900E-02	-1.39	1.172E-02
150	150	171	DEAD		9.585E-02	-1.35	-1.079E-02
150	150	159	DEAD		9.192E-02	-1.37	-1.018E-02
150	150	158	EH		-0.43	5.420E-02	1.661E-02
150	150	170	EH		-0.43	5.427E-02	-1.215E-02
150	150	171	EH		-0.88	-3.619E-02	-1.831E-02
150	150	159	EH		-0.88	-3.626E-02	1.044E-02
151	151	159	DEAD		-9.686E-02	-2.31	-1.188E-02
151	151	171	DEAD		-9.924E-02	-2.32	-1.079E-02
151	151	172	DEAD		0.1	-2.28	1.107E-02
151	151	160	DEAD		0.1	-2.27	9.975E-03
151	151	159	EH		-0.87	3.582E-02	1.565E-02

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11	F22	F12
					KN/m	KN/m	KN/m
151	151	171	EH		-0.87	4.401E-02	-1.831E-02
151	151	172	EH		-1.3	-4.286E-02	-2.008E-02
151	151	160	EH		-1.3	-5.106E-02	1.387E-02
152	152	160	DEAD		-9.166E-02	-3.25	9.833E-03
152	152	172	DEAD		-8.833E-02	-3.23	1.107E-02
152	152	173	DEAD		0.13	-3.19	-1.514E-02
152	152	161	DEAD		0.13	-3.21	-1.638E-02
152	152	160	EH		-1.29	4.213E-02	1.958E-02
152	152	172	EH		-1.29	3.221E-02	-2.008E-02
152	152	173	EH		-1.75	-6.065E-02	-1.406E-02
152	152	161	EH		-1.75	-5.073E-02	2.560E-02
153	153	161	DEAD		-6.227E-02	-4.16	-2.279E-02
153	153	173	DEAD		-7.047E-02	-4.2	-1.514E-02
153	153	174	DEAD		0.17	-4.15	-7.498E-04
153	153	162	DEAD		0.18	-4.11	-8.398E-03
153	153	161	EH		-1.73	4.140E-02	2.952E-02
153	153	173	EH		-1.73	4.622E-02	-1.406E-02
153	153	174	EH		-2.23	-5.430E-02	-1.256E-02
153	153	162	EH		-2.23	-5.912E-02	3.102E-02
154	154	162	DEAD		-2.257E-02	-5.11	-1.608E-02
154	154	174	DEAD		-3.420E-02	-5.17	-7.498E-04
154	154	175	DEAD		0.2	-5.12	-4.909E-02
154	154	163	DEAD		0.21	-5.07	-6.441E-02
154	154	162	EH		-2.21	5.341E-02	4.007E-02
154	154	174	EH		-2.2	8.848E-02	-1.256E-02
154	154	175	EH		-2.75	-2.023E-02	9.369E-03
154	154	163	EH		-2.75	-5.530E-02	6.199E-02
155	155	163	DEAD		1.477E-02	-6.04	-8.493E-02
155	155	175	DEAD		-2.092E-02	-6.22	-4.909E-02
155	155	176	DEAD		1.723E-02	-6.21	-1.634E-02
155	155	164	DEAD		5.293E-02	-6.03	-5.219E-02
155	155	163	EH		-2.73	7.550E-02	7.990E-02
155	155	175	EH		-2.7	0.19	9.369E-03
155	155	176	EH		-3.21	9.451E-02	2.381E-02
155	155	164	EH		-3.23	-2.496E-02	9.434E-02
156	156	164	DEAD		-0.15	-7.03	6.041E-03
156	156	176	DEAD		-0.16	-7.09	-1.634E-02
156	156	177	DEAD		-0.74	-7.21	7.204E-03
156	156	165	DEAD		-0.73	-7.14	2.958E-02
156	156	164	EH		-3.2	0.13	7.830E-02
156	156	176	EH		-3.17	0.3	2.381E-02
156	156	177	EH		-3.34	0.26	3.353E-02
156	156	165	EH		-3.37	9.765E-02	8.802E-02
157	157	165	DEAD		-0.86	-7.79	3.955E-02
157	157	177	DEAD		-0.71	-7.03	7.204E-03
157	157	178	DEAD		-3.17	-7.52	0.96
157	157	166	DEAD		-3.32	-8.28	0.99
157	157	165	EH		-3.37	0.12	4.510E-02
157	157	177	EH		-3.37	0.11	3.353E-02
157	157	178	EH		-2.51	0.28	-0.23
157	157	166	EH		-2.51	0.29	-0.22
158	158	166	DEAD		-3.48	-9.1	3.01
158	158	178	DEAD		-2.01	-1.72	0.96
158	158	179	DEAD		-6.86	-2.69	2.48

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11	F22	F12
					KN/m	KN/m	KN/m
158	158	167	DEAD		-8.34	-10.07	4.54
158	158	166	EH		-2.53	0.18	-0.93
158	158	178	EH		-2.92	-1.77	-0.23
158	158	179	EH		-0.37	-1.26	-0.74
158	158	167	EH		1.837E-02	0.69	-1.44
159	159	167	DEAD		-6.4	-0.39	4.18
159	159	179	DEAD		-6.61	-1.43	2.48
159	159	180	DEAD		2.62	0.42	-0.89
159	159	168	DEAD		2.83	1.46	0.8
159	159	167	EH		-0.59	-2.35	-1.45
159	159	179	EH		-0.63	-2.55	-0.74
159	159	180	EH		-2.05	-2.83	0.24
159	159	168	EH		-2.01	-2.63	-0.47
160	160	169	DEAD		-7.626E-02	-0.48	8.595E-03
160	160	181	DEAD		-7.300E-02	-0.47	7.993E-03
160	160	182	DEAD		0.1	-0.43	-1.232E-02
160	160	170	DEAD		9.827E-02	-0.45	-1.172E-02
160	160	169	EH		4.452E-02	5.502E-02	4.427E-03
160	160	181	EH		4.553E-02	6.008E-02	-2.831E-02
160	160	182	EH		-0.45	-3.911E-02	-2.059E-02
160	160	170	EH		-0.45	-4.418E-02	1.215E-02
161	161	170	DEAD		-8.900E-02	-1.39	-1.172E-02
161	161	182	DEAD		-9.293E-02	-1.4	-1.232E-02
161	161	183	DEAD		9.192E-02	-1.37	1.018E-02
161	161	171	DEAD		9.585E-02	-1.35	1.079E-02
161	161	170	EH		-0.43	5.427E-02	1.215E-02
161	161	182	EH		-0.43	5.420E-02	-1.661E-02
161	161	183	EH		-0.88	-3.626E-02	-1.044E-02
161	161	171	EH		-0.88	-3.619E-02	1.831E-02
162	162	171	DEAD		-9.924E-02	-2.32	1.079E-02
162	162	183	DEAD		-9.686E-02	-2.31	1.188E-02
162	162	184	DEAD		0.1	-2.27	-9.975E-03
162	162	172	DEAD		0.1	-2.28	-1.107E-02
162	162	171	EH		-0.87	4.401E-02	1.831E-02
162	162	183	EH		-0.87	3.582E-02	-1.565E-02
162	162	184	EH		-1.3	-5.106E-02	-1.387E-02
162	162	172	EH		-1.3	-4.286E-02	2.008E-02
163	163	172	DEAD		-8.833E-02	-3.23	-1.107E-02
163	163	184	DEAD		-9.166E-02	-3.25	-9.833E-03
163	163	185	DEAD		0.13	-3.21	1.638E-02
163	163	173	DEAD		0.13	-3.19	1.514E-02
163	163	172	EH		-1.29	3.221E-02	2.008E-02
163	163	184	EH		-1.29	4.213E-02	-1.958E-02
163	163	185	EH		-1.75	-5.073E-02	-2.560E-02
163	163	173	EH		-1.75	-6.065E-02	1.406E-02
164	164	173	DEAD		-7.047E-02	-4.2	1.514E-02
164	164	185	DEAD		-6.227E-02	-4.16	2.279E-02
164	164	186	DEAD		0.18	-4.11	8.398E-03
164	164	174	DEAD		0.17	-4.15	7.498E-04
164	164	173	EH		-1.73	4.622E-02	1.406E-02
164	164	185	EH		-1.73	4.140E-02	-2.952E-02
164	164	186	EH		-2.23	-5.912E-02	-3.102E-02
164	164	174	EH		-2.23	-5.430E-02	1.256E-02
165	165	174	DEAD		-3.420E-02	-5.17	7.498E-04

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11	F22	F12
					KN/m	KN/m	KN/m
165	165	186	DEAD		-2.257E-02	-5.11	1.608E-02
165	165	187	DEAD		0.21	-5.07	6.441E-02
165	165	175	DEAD		0.2	-5.12	4.909E-02
165	165	174	EH		-2.2	8.848E-02	1.256E-02
165	165	186	EH		-2.21	5.341E-02	-4.007E-02
165	165	187	EH		-2.75	-5.530E-02	-6.199E-02
165	165	175	EH		-2.75	-2.023E-02	-9.369E-03
166	166	175	DEAD		-2.092E-02	-6.22	4.909E-02
166	166	187	DEAD		1.477E-02	-6.04	8.493E-02
166	166	188	DEAD		5.293E-02	-6.03	5.219E-02
166	166	176	DEAD		1.723E-02	-6.21	1.634E-02
166	166	175	EH		-2.7	0.19	-9.369E-03
166	166	187	EH		-2.73	7.550E-02	-7.990E-02
166	166	188	EH		-3.23	-2.496E-02	-9.434E-02
166	166	176	EH		-3.21	9.451E-02	-2.381E-02
167	167	176	DEAD		-0.16	-7.09	1.634E-02
167	167	188	DEAD		-0.15	-7.03	-6.041E-03
167	167	189	DEAD		-0.73	-7.14	-2.958E-02
167	167	177	DEAD		-0.74	-7.21	-7.204E-03
167	167	176	EH		-3.17	0.3	-2.381E-02
167	167	188	EH		-3.2	0.13	-7.830E-02
167	167	189	EH		-3.37	9.765E-02	-8.802E-02
167	167	177	EH		-3.34	0.26	-3.353E-02
168	168	177	DEAD		-0.71	-7.03	-7.204E-03
168	168	189	DEAD		-0.86	-7.79	-3.955E-02
168	168	190	DEAD		-3.32	-8.28	-0.99
168	168	178	DEAD		-3.17	-7.52	-0.96
168	168	177	EH		-3.37	0.11	-3.353E-02
168	168	189	EH		-3.37	0.12	-4.510E-02
168	168	190	EH		-2.51	0.29	0.22
168	168	178	EH		-2.51	0.28	0.23
169	169	178	DEAD		-2.01	-1.72	-0.96
169	169	190	DEAD		-3.48	-9.1	-3.01
169	169	191	DEAD		-8.34	-10.07	-4.54
169	169	179	DEAD		-6.86	-2.69	-2.48
169	169	178	EH		-2.92	-1.77	0.23
169	169	190	EH		-2.53	0.18	0.93
169	169	191	EH		1.837E-02	0.69	1.44
169	169	179	EH		-0.37	-1.26	0.74
170	170	179	DEAD		-6.61	-1.43	-2.48
170	170	191	DEAD		-6.4	-0.39	-4.18
170	170	192	DEAD		2.83	1.46	-0.8
170	170	180	DEAD		2.62	0.42	0.89
170	170	179	EH		-0.63	-2.55	0.74
170	170	191	EH		-0.59	-2.35	1.45
170	170	192	EH		-2.01	-2.63	0.47
170	170	180	EH		-2.05	-2.83	-0.24
171	171	181	DEAD		-6.103E-02	-0.47	-1.053E-02
171	171	8	DEAD		-6.639E-02	-0.49	-1.827E-02
171	171	111	DEAD		9.111E-02	-0.46	2.605E-03
171	171	182	DEAD		9.646E-02	-0.43	1.034E-02
171	171	181	EH		8.243E-02	6.746E-02	-0.12
171	171	8	EH		7.493E-02	2.995E-02	0.14
171	171	111	EH		-0.49	-8.337E-02	0.13

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11	F22	F12
					KN/m	KN/m	KN/m
171	171	182	EH		-0.48	-4.586E-02	-0.13
172	172	182	DEAD		-9.800E-02	-1.41	1.034E-02
172	172	111	DEAD		-9.799E-02	-1.41	1.106E-02
172	172	112	DEAD		9.526E-02	-1.37	-1.003E-02
172	172	183	DEAD		9.526E-02	-1.37	-1.075E-02
172	172	182	EH		-0.47	4.746E-02	-0.12
172	172	111	EH		-0.47	1.550E-02	0.2
172	172	112	EH		-0.88	-6.547E-02	0.19
172	172	183	EH		-0.87	-3.351E-02	-0.13
173	173	183	DEAD		-9.352E-02	-2.31	-9.042E-03
173	173	112	DEAD		-0.1	-2.34	-1.537E-02
173	173	113	DEAD		9.890E-02	-2.3	8.367E-03
173	173	184	DEAD		0.11	-2.27	1.469E-02
173	173	183	EH		-0.86	3.857E-02	-0.14
173	173	112	EH		-0.85	5.838E-02	0.21
173	173	113	EH		-1.3	-3.152E-02	0.2
173	173	184	EH		-1.31	-5.134E-02	-0.15
174	174	184	DEAD		-9.043E-02	-3.25	1.484E-02
174	174	113	DEAD		-8.907E-02	-3.24	1.099E-02
174	174	114	DEAD		0.12	-3.2	-1.065E-02
174	174	185	DEAD		0.12	-3.21	-6.807E-03
174	174	184	EH		-1.29	4.185E-02	-0.16
174	174	113	EH		-1.28	6.933E-02	0.22
174	174	114	EH		-1.74	-2.332E-02	0.21
174	174	185	EH		-1.75	-5.080E-02	-0.16
175	175	185	DEAD		-7.247E-02	-4.16	-3.995E-04
175	175	114	DEAD		-7.113E-02	-4.15	5.259E-03
175	175	115	DEAD		0.15	-4.11	2.940E-02
175	175	186	DEAD		0.15	-4.12	2.374E-02
175	175	185	EH		-1.73	4.133E-02	-0.16
175	175	114	EH		-1.73	6.896E-02	0.22
175	175	115	EH		-2.21	-2.843E-02	0.21
175	175	186	EH		-2.22	-5.606E-02	-0.17
176	176	186	DEAD		-5.306E-02	-5.12	3.142E-02
176	176	115	DEAD		-1.872E-02	-4.95	8.742E-02
176	176	116	DEAD		0.16	-4.91	5.768E-02
176	176	187	DEAD		0.13	-5.08	1.682E-03
176	176	186	EH		-2.2	5.647E-02	-0.18
176	176	115	EH		-2.21	1.077E-02	0.18
176	176	116	EH		-2.71	-8.965E-02	0.18
176	176	187	EH		-2.7	-4.396E-02	-0.18
177	177	187	DEAD		-6.816E-02	-6.06	2.220E-02
177	177	116	DEAD		1.323E-02	-5.65	0.15
177	177	117	DEAD		8.390E-02	-5.64	0.15
177	177	188	DEAD		2.511E-03	-6.04	2.345E-02
177	177	187	EH		-2.67	8.684E-02	-0.2
177	177	116	EH		-2.72	-0.16	8.212E-02
177	177	117	EH		-3.19	-0.26	0.11
177	177	188	EH		-3.14	-6.875E-03	-0.17
178	178	188	DEAD		-0.2	-7.04	-3.478E-02
178	178	117	DEAD		-4.625E-02	-6.29	0.16
178	178	118	DEAD		-0.42	-6.36	0.12
178	178	189	DEAD		-0.57	-7.11	-7.754E-02
178	178	188	EH		-3.11	0.15	-0.15

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11	F22	F12
					KN/m	KN/m	KN/m
178	178	117	EH		-3.24	-0.5	-9.994E-02
178	178	118	EH		-3.46	-0.54	-1.039E-02
178	178	189	EH		-3.33	0.1	-6.504E-02
179	179	189	DEAD		-0.7	-7.76	-8.750E-02
179	179	118	DEAD		-0.78	-8.14	-0.34
179	179	119	DEAD		-1.26	-8.24	-1.05
179	179	190	DEAD		-1.18	-7.86	-0.8
179	179	189	EH		-3.33	0.13	-2.212E-02
179	179	118	EH		-3.47	-0.6	-0.22
179	179	119	EH		-3.18	-0.54	0.17
179	179	190	EH		-3.03	0.19	0.36
180	180	190	DEAD		-1.35	-8.68	-2.83
180	180	119	DEAD		-2.56	-14.72	-1.76
180	180	120	DEAD		-1.63	-14.54	-2.4
180	180	191	DEAD		-0.42	-8.49	-3.46
180	180	190	EH		-3.05	7.973E-02	1.07
180	180	119	EH		-2.89	0.9	9.758E-02
180	180	120	EH		-2.41	0.99	0.4
180	180	191	EH		-2.57	0.18	1.37
181	181	191	DEAD		1.51	1.19	-3.1
181	181	120	DEAD		-6.55	-39.11	-2.97
181	181	2	DEAD		-10.52	-39.9	-14.49
181	181	192	DEAD		-2.46	0.4	-14.62
181	181	191	EH		-3.18	-2.87	1.38
181	181	120	EH		-1.17	7.2	1.36
181	181	2	EH		3.09	8.05	3.46
181	181	192	EH		1.08	-2.02	3.48
182	182	1	DEAD		-3.17	-3.17	-1.88
182	182	168	DEAD		-2.45	0.44	0.48
182	182	193	DEAD		1.16	1.16	2.84
182	182	54	DEAD		0.44	-2.45	0.48
182	182	1	EH		1.85	1.85	1.65
182	182	168	EH		1.07	-2.03	1.05
182	182	193	EH		-2.8	-2.8	0.45
182	182	54	EH		-2.03	1.07	1.05
183	183	54	DEAD		1.5	2.84	1.18
183	183	193	DEAD		1.02	0.43	1.2
183	183	194	DEAD		-7.835E-02	0.21	-0.22
183	183	42	DEAD		0.4	2.62	-0.24
183	183	54	EH		-2.64	-2.01	0.21
183	183	193	EH		-2.52	-1.39	0.63
183	183	194	EH		-2.66	-1.42	0.41
183	183	42	EH		-2.78	-2.04	-1.351E-02
184	184	42	DEAD		0.4	2.62	0.24
184	184	194	DEAD		-7.835E-02	0.21	0.22
184	184	195	DEAD		1.02	0.43	-1.2
184	184	30	DEAD		1.5	2.84	-1.18
184	184	42	EH		-2.78	-2.04	1.351E-02
184	184	194	EH		-2.66	-1.42	-0.41
184	184	195	EH		-2.52	-1.39	-0.63
184	184	30	EH		-2.64	-2.01	-0.21
185	185	30	DEAD		0.44	-2.45	-0.48
185	185	195	DEAD		1.16	1.16	-2.84
185	185	132	DEAD		-2.45	0.44	-0.48

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11 KN/m	F22 KN/m	F12 KN/m
185	185	4	DEAD		-3.17	-3.17	1.88
185	185	30	EH		-2.03	1.07	-1.05
185	185	195	EH		-2.8	-2.8	-0.45
185	185	132	EH		1.07	-2.03	-1.05
185	185	4	EH		1.85	1.85	-1.65
186	186	168	DEAD		2.84	1.5	1.18
186	186	180	DEAD		2.62	0.4	-0.24
186	186	196	DEAD		0.21	-7.835E-02	-0.22
186	186	193	DEAD		0.43	1.02	1.2
186	186	168	EH		-2.01	-2.64	0.21
186	186	180	EH		-2.04	-2.78	-1.351E-02
186	186	196	EH		-1.42	-2.66	0.41
186	186	193	EH		-1.39	-2.52	0.63
187	187	193	DEAD		0.28	0.28	-0.44
187	187	196	DEAD		0.39	0.83	-0.22
187	187	197	DEAD		0.94	0.94	1.697E-14
187	187	194	DEAD		0.83	0.39	-0.22
187	187	193	EH		-1.11	-1.11	0.81
187	187	196	EH		-1.31	-2.12	0.41
187	187	197	EH		-2.32	-2.32	1.821E-14
187	187	194	EH		-2.12	-1.31	0.41
188	188	194	DEAD		0.83	0.39	0.22
188	188	197	DEAD		0.94	0.94	-2.308E-14
188	188	198	DEAD		0.39	0.83	0.22
188	188	195	DEAD		0.28	0.28	0.44
188	188	194	EH		-2.12	-1.31	-0.41
188	188	197	EH		-2.32	-2.32	1.241E-14
188	188	198	EH		-1.31	-2.12	-0.41
188	188	195	EH		-1.11	-1.11	-0.81
189	189	195	DEAD		0.43	1.02	-1.2
189	189	198	DEAD		0.21	-7.835E-02	0.22
189	189	144	DEAD		2.62	0.4	0.24
189	189	132	DEAD		2.84	1.5	-1.18
189	189	195	EH		-1.39	-2.52	-0.63
189	189	198	EH		-1.42	-2.66	-0.41
189	189	144	EH		-2.04	-2.78	1.351E-02
189	189	132	EH		-2.01	-2.64	-0.21
190	190	180	DEAD		2.62	0.4	0.24
190	190	192	DEAD		2.84	1.5	-1.18
190	190	199	DEAD		0.43	1.02	-1.2
190	190	196	DEAD		0.21	-7.835E-02	0.22
190	190	180	EH		-2.04	-2.78	1.351E-02
190	190	192	EH		-2.01	-2.64	-0.21
190	190	199	EH		-1.39	-2.52	-0.63
190	190	196	EH		-1.42	-2.66	-0.41
191	191	196	DEAD		0.39	0.83	0.22
191	191	199	DEAD		0.28	0.28	0.44
191	191	200	DEAD		0.83	0.39	0.22
191	191	197	DEAD		0.94	0.94	2.620E-14
191	191	196	EH		-1.31	-2.12	-0.41
191	191	199	EH		-1.11	-1.11	-0.81
191	191	200	EH		-2.12	-1.31	-0.41
191	191	197	EH		-2.32	-2.32	-8.660E-15
192	192	197	DEAD		0.94	0.94	-1.389E-14

Table 18: Element Forces - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	F11	F22	F12
					KN/m	KN/m	KN/m
192	192	200	DEAD		0.83	0.39	-0.22
192	192	201	DEAD		0.28	0.28	-0.44
192	192	198	DEAD		0.39	0.83	-0.22
192	192	197	EH		-2.32	-2.32	-1.429E-14
192	192	200	EH		-2.12	-1.31	0.41
192	192	201	EH		-1.11	-1.11	0.81
192	192	198	EH		-1.31	-2.12	0.41
193	193	198	DEAD		0.21	-7.835E-02	-0.22
193	193	201	DEAD		0.43	1.02	1.2
193	193	156	DEAD		2.84	1.5	1.18
193	193	144	DEAD		2.62	0.4	-0.24
193	193	198	EH		-1.42	-2.66	0.41
193	193	201	EH		-1.39	-2.52	0.63
193	193	156	EH		-2.01	-2.64	0.21
193	193	144	EH		-2.04	-2.78	-1.351E-02
194	194	192	DEAD		-2.45	0.44	-0.48
194	194	2	DEAD		-3.17	-3.17	1.88
194	194	110	DEAD		0.44	-2.45	-0.48
194	194	199	DEAD		1.16	1.16	-2.84
194	194	192	EH		1.07	-2.03	-1.05
194	194	2	EH		1.85	1.85	-1.65
194	194	110	EH		-2.03	1.07	-1.05
194	194	199	EH		-2.8	-2.8	-0.45
195	195	199	DEAD		1.02	0.43	-1.2
195	195	110	DEAD		1.5	2.84	-1.18
195	195	98	DEAD		0.4	2.62	0.24
195	195	200	DEAD		-7.835E-02	0.21	0.22
195	195	199	EH		-2.52	-1.39	-0.63
195	195	110	EH		-2.64	-2.01	-0.21
195	195	98	EH		-2.78	-2.04	1.351E-02
195	195	200	EH		-2.66	-1.42	-0.41
196	196	200	DEAD		-7.835E-02	0.21	-0.22
196	196	98	DEAD		0.4	2.62	-0.24
196	196	86	DEAD		1.5	2.84	1.18
196	196	201	DEAD		1.02	0.43	1.2
196	196	200	EH		-2.66	-1.42	0.41
196	196	98	EH		-2.78	-2.04	-1.351E-02
196	196	86	EH		-2.64	-2.01	0.21
196	196	201	EH		-2.52	-1.39	0.63
197	197	201	DEAD		1.16	1.16	2.84
197	197	86	DEAD		0.44	-2.45	0.48
197	197	3	DEAD		-3.17	-3.17	-1.88
197	197	156	DEAD		-2.45	0.44	0.48
197	197	201	EH		-2.8	-2.8	0.45
197	197	86	EH		-2.03	1.07	1.05
197	197	3	EH		1.85	1.85	1.65
197	197	156	EH		1.07	-2.03	1.05

Table 18: Element Forces - Area Shells, Part 2 of 3

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
6	5	DEAD		-1.594E-04	0.0047	0.0045
6	9	DEAD		-2.302E-04	-0.005	0.0046
6	10	DEAD		8.678E-05	-0.0046	-0.0044
6	11	DEAD		6.306E-05	0.0052	-0.0045
6	5	EH		-0.0328	-0.0021	4.516E-04
6	9	EH		0.0111	0.0057	-0.0072
6	10	EH		-0.0012	-0.0047	-0.0081
6	11	EH		-0.0454	-0.0125	-4.670E-04
7	11	DEAD		-5.089E-05	-0.0043	-0.0045
7	10	DEAD		3.163E-04	0.0054	-0.0044
7	12	DEAD		2.711E-04	0.0056	0.0046
7	13	DEAD		2.279E-04	-0.0043	0.0046
7	11	EH		-0.0662	-0.009	0.0014
7	10	EH		0.0224	0.0057	-0.0101
7	12	EH		0.0048	-0.0068	-0.0129
7	13	EH		-0.0843	-0.0214	-0.0015
8	13	DEAD		7.916E-04	0.0053	0.0046
8	12	DEAD		-4.184E-04	-0.0046	0.0048
8	14	DEAD		1.519E-04	-0.0046	-0.0045
8	15	DEAD		8.319E-04	0.0057	-0.0047
8	13	EH		-0.1092	-0.0196	-6.309E-04
8	12	EH		0.0334	0.0102	-0.0139
8	14	EH		0.0132	-0.003	-0.0126
8	15	EH		-0.1297	-0.0329	6.200E-04
9	15	DEAD		9.620E-04	-0.0042	-0.0048
9	14	DEAD		1.008E-04	0.0058	-0.0045
9	16	DEAD		1.295E-04	0.0058	0.0053
9	17	DEAD		0.0018	-0.0048	0.005
9	15	EH		-0.1558	-0.0266	9.148E-04
9	14	EH		0.0435	0.0113	-0.013
9	16	EH		0.0222	-0.0032	-0.0149
9	17	EH		-0.1777	-0.0409	-9.627E-04
10	17	DEAD		0.0029	0.006	0.0052
10	16	DEAD		-0.0012	-0.0057	0.0054
10	18	DEAD		-9.731E-04	-0.0086	-0.0052
10	19	DEAD		0.0022	0.0039	-0.0054
10	17	EH		-0.205	-0.038	-8.310E-04
10	16	EH		0.0539	0.0155	-0.0152
10	18	EH		0.0319	0.0015	-0.0136
10	19	EH		-0.2272	-0.0521	8.302E-04
11	19	DEAD		0.0015	-0.0065	-0.0049
11	18	DEAD		-6.841E-06	0.0033	-0.006
11	20	DEAD		-0.0036	-0.0037	0.0039
11	21	DEAD		-9.250E-04	-0.0144	0.0051
11	19	EH		-0.255	-0.0456	7.148E-04
11	18	EH		0.0641	0.0167	-0.0136
11	20	EH		0.0432	0.0064	-0.0151
11	21	EH		-0.2766	-0.0557	-7.760E-04
12	21	DEAD		-0.0044	-0.0011	0.0068
12	20	DEAD		4.249E-04	-0.0142	0.0027
12	22	DEAD		-0.0068	-0.0279	-0.0111
12	23	DEAD		-0.0133	-0.0136	-0.007
12	21	EH		-0.3034	-0.0542	-0.002

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
12	20	EH		0.0741	0.0253	-0.0143
12	22	EH		0.0576	0.0251	-0.0103
12	23	EH		-0.32	-0.0545	0.002
13	23	DEAD		-0.0249	-0.0287	-0.0071
13	22	DEAD		0.0057	-0.0079	-0.0116
13	24	DEAD		-0.0024	-0.0138	0.0028
13	25	DEAD		-0.0314	-0.0359	0.0073
13	23	EH		-0.34	-0.0502	-0.001
13	22	EH		0.0807	0.0361	-0.0075
13	24	EH		0.0752	0.0507	-0.0055
13	25	EH		-0.3461	-0.0354	9.763E-04
14	25	DEAD		-0.0401	-0.0216	0.0046
14	24	DEAD		0.0077	-0.0214	0.0061
14	26	DEAD		0.0186	0.017	-0.0035
14	27	DEAD		-0.0314	0.0183	-0.005
14	25	EH		-0.3508	-0.0419	-0.006
14	24	EH		0.0799	0.0569	0.001
14	26	EH		0.0929	0.0762	0.0132
14	27	EH		-0.3373	-0.0229	0.0061
15	27	DEAD		-0.028	-0.0271	-0.022
15	26	DEAD		0.008	0.0267	0.0128
15	28	DEAD		0.0743	0.1329	0.0572
15	29	DEAD		0.0411	0.0774	0.0224
15	27	EH		-0.3081	-0.0254	-0.0042
15	26	EH		0.0594	0.0572	0.0233
15	28	EH		0.0925	0.0395	0.0318
15	29	EH		-0.2745	-0.0428	0.0042
16	29	DEAD		0.0978	0.24	0.0697
16	28	DEAD		0.0396	0.0801	0.0111
16	30	DEAD		-0.0103	0.2092	-0.1293
16	4	DEAD		0.0428	0.3733	-0.0707
16	29	EH		-0.1998	-0.0549	2.464E-04
16	28	EH		0.0046	-0.0147	0.0354
16	30	EH		0.0139	-0.1996	0.0351
16	4	EH		-0.1887	-0.2399	-7.386E-05
17	9	DEAD		6.732E-05	-0.0048	-0.0044
17	31	DEAD		3.321E-04	0.0051	-0.0046
17	32	DEAD		1.092E-04	0.0052	0.0046
17	10	DEAD		-5.101E-05	-0.0047	0.0047
17	9	EH		9.237E-04	-0.005	-0.0057
17	31	EH		0.0195	-0.0056	0.002
17	32	EH		0.0322	0.0064	-0.002
17	10	EH		0.0136	0.007	-0.0097
18	10	DEAD		3.881E-04	0.0055	0.0047
18	32	DEAD		-2.306E-04	-0.0045	0.0046
18	33	DEAD		-1.659E-04	-0.0046	-0.0047
18	12	DEAD		1.360E-04	0.0056	-0.0046
18	10	EH		0.0047	-0.0111	-0.0116
18	32	EH		0.0352	-0.0048	-1.154E-04
18	33	EH		0.0549	0.0168	1.221E-04
18	12	EH		0.0244	0.0104	-0.0114
19	12	DEAD		-1.826E-04	-0.0044	-0.0046
19	33	DEAD		2.665E-04	0.0059	-0.0048
19	34	DEAD		-3.236E-04	0.0058	0.0049

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
19	14	DEAD		-2.309E-04	-0.0048	0.0051
19	12	EH		0.0122	-0.0082	-0.0122
19	33	EH		0.0599	-8.051E-04	9.937E-04
19	34	EH		0.0824	0.0228	-0.001
19	14	EH		0.0345	0.0154	-0.0142
20	14	DEAD		5.137E-04	0.0062	0.0053
20	34	DEAD		-8.971E-04	-0.0044	0.0049
20	35	DEAD		-0.0012	-0.0059	-0.005
20	16	DEAD		-5.886E-04	0.0053	-0.0047
20	14	EH		0.0211	-0.0081	-0.0146
20	34	EH		0.0879	0.0068	-7.120E-04
20	35	EH		0.1114	0.0311	7.281E-04
20	16	EH		0.0446	0.0162	-0.0132
21	16	DEAD		-9.092E-04	-0.0054	-0.0049
21	35	DEAD		-8.027E-04	0.0053	-0.0051
21	36	DEAD		-0.0022	0.0024	0.0052
21	18	DEAD		-0.0013	-0.0089	0.0054
21	16	EH		0.0308	-0.0045	-0.0134
21	35	EH		0.117	0.0107	9.642E-04
21	36	EH		0.1416	0.0365	-9.956E-04
21	18	EH		0.0551	0.0215	-0.0154
22	18	DEAD		-0.0013	0.0023	0.0049
22	36	DEAD		-0.0025	-0.0106	0.0061
22	37	DEAD		-0.0014	-0.0163	-0.0063
22	20	DEAD		-0.0014	-0.0025	-0.0074
22	18	EH		0.0411	-0.0034	-0.0154
22	36	EH		0.1474	0.0201	-0.0011
22	37	EH		0.1726	0.0502	0.0011
22	20	EH		0.0663	0.0265	-0.0132
23	20	DEAD		-0.0045	-0.0189	-0.0091
23	37	DEAD		6.660E-05	-0.0077	-0.005
23	38	DEAD		0.0042	-0.0102	0.0053
23	22	DEAD		0.0011	-0.0225	0.0012
23	20	EH		0.0536	0.0073	-0.0122
23	37	EH		0.1778	0.032	1.180E-04
23	38	EH		0.2016	0.0673	-1.554E-04
23	22	EH		0.077	0.0429	-0.0125
24	22	DEAD		-0.0026	-0.0173	0.0012
24	38	DEAD		0.0054	-0.0275	0.0057
24	39	DEAD		0.0147	-0.0161	-0.006
24	24	DEAD		0.005	-0.0046	-0.0105
24	22	EH		0.068	0.0256	-0.0097
24	38	EH		0.2055	0.0597	-0.0031
24	39	EH		0.2211	0.0948	0.0032
24	24	EH		0.0839	0.0604	-0.0033
25	24	DEAD		0.0019	-0.0249	-0.0078
25	39	DEAD		0.0164	-0.0027	-0.0093
25	40	DEAD		0.0221	0.0414	0.0096
25	26	DEAD		0.0096	0.0176	0.0111
25	24	EH		0.0844	0.0617	0.0035
25	39	EH		0.2212	0.0968	-0.0036
25	40	EH		0.2134	0.1039	0.0035
25	26	EH		0.0763	0.069	0.0106
26	26	DEAD		0.0155	0.0338	0.0281

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
26	40	DEAD		0.0212	0.0499	-0.0067
26	41	DEAD		-0.0094	0.1235	0.0063
26	28	DEAD		-0.0174	0.109	0.0411
26	26	EH		0.0926	0.0923	0.0207
26	40	EH		0.2069	0.1296	-0.0068
26	41	EH		0.1512	0.0376	0.0069
26	28	EH		0.0376	-3.147E-05	0.0344
27	28	DEAD		-0.0163	0.1142	-0.0059
27	41	DEAD		-0.0348	-0.0031	0.0529
27	42	DEAD		0.0572	0.0639	-0.0529
27	30	DEAD		0.0759	0.1812	-0.1116
27	28	EH		0.0807	0.0643	0.0383
27	41	EH		0.1269	0.0671	0.003
27	42	EH		0.0122	-0.2706	-0.0032
27	30	EH		-0.034	-0.273	0.0321
28	31	DEAD		3.321E-04	0.0051	0.0046
28	43	DEAD		6.732E-05	-0.0048	0.0044
28	44	DEAD		-5.101E-05	-0.0047	-0.0047
28	32	DEAD		1.092E-04	0.0052	-0.0046
28	31	EH		0.0195	-0.0056	-0.002
28	43	EH		9.237E-04	-0.005	0.0057
28	44	EH		0.0136	0.007	0.0097
28	32	EH		0.0322	0.0064	0.002
29	32	DEAD		-2.306E-04	-0.0045	-0.0046
29	44	DEAD		3.881E-04	0.0055	-0.0047
29	45	DEAD		1.360E-04	0.0056	0.0046
29	33	DEAD		-1.659E-04	-0.0046	0.0047
29	32	EH		0.0352	-0.0048	1.154E-04
29	44	EH		0.0047	-0.0111	0.0116
29	45	EH		0.0244	0.0104	0.0114
29	33	EH		0.0549	0.0168	-1.221E-04
30	33	DEAD		2.665E-04	0.0059	0.0048
30	45	DEAD		-1.826E-04	-0.0044	0.0046
30	46	DEAD		-2.309E-04	-0.0048	-0.0051
30	34	DEAD		-3.236E-04	0.0058	-0.0049
30	33	EH		0.0599	-8.051E-04	-9.937E-04
30	45	EH		0.0122	-0.0082	0.0122
30	46	EH		0.0345	0.0154	0.0142
30	34	EH		0.0824	0.0228	0.001
31	34	DEAD		-8.971E-04	-0.0044	-0.0049
31	46	DEAD		5.137E-04	0.0062	-0.0053
31	47	DEAD		-5.886E-04	0.0053	0.0047
31	35	DEAD		-0.0012	-0.0059	0.005
31	34	EH		0.0879	0.0068	7.120E-04
31	46	EH		0.0211	-0.0081	0.0146
31	47	EH		0.0446	0.0162	0.0132
31	35	EH		0.1114	0.0311	-7.281E-04
32	35	DEAD		-8.027E-04	0.0053	0.0051
32	47	DEAD		-9.092E-04	-0.0054	0.0049
32	48	DEAD		-0.0013	-0.0089	-0.0054
32	36	DEAD		-0.0022	0.0024	-0.0052
32	35	EH		0.117	0.0107	-9.642E-04
32	47	EH		0.0308	-0.0045	0.0134
32	48	EH		0.0551	0.0215	0.0154

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
32	36	EH		0.1416	0.0365	9.956E-04
33	36	DEAD		-0.0025	-0.0106	-0.0061
33	48	DEAD		-0.0013	0.0023	-0.0049
33	49	DEAD		-0.0014	-0.0025	0.0074
33	37	DEAD		-0.0014	-0.0163	0.0063
33	36	EH		0.1474	0.0201	0.0011
33	48	EH		0.0411	-0.0034	0.0154
33	49	EH		0.0663	0.0265	0.0132
33	37	EH		0.1726	0.0502	-0.0011
34	37	DEAD		6.660E-05	-0.0077	0.005
34	49	DEAD		-0.0045	-0.0189	0.0091
34	50	DEAD		0.0011	-0.0225	-0.0012
34	38	DEAD		0.0042	-0.0102	-0.0053
34	37	EH		0.1778	0.032	-1.180E-04
34	49	EH		0.0536	0.0073	0.0122
34	50	EH		0.077	0.0429	0.0125
34	38	EH		0.2016	0.0673	1.554E-04
35	38	DEAD		0.0054	-0.0275	-0.0057
35	50	DEAD		-0.0026	-0.0173	-0.0012
35	51	DEAD		0.005	-0.0046	0.0105
35	39	DEAD		0.0147	-0.0161	0.006
35	38	EH		0.2055	0.0597	0.0031
35	50	EH		0.068	0.0256	0.0097
35	51	EH		0.0839	0.0604	0.0033
35	39	EH		0.2211	0.0948	-0.0032
36	39	DEAD		0.0164	-0.0027	0.0093
36	51	DEAD		0.0019	-0.0249	0.0078
36	52	DEAD		0.0096	0.0176	-0.0111
36	40	DEAD		0.0221	0.0414	-0.0096
36	39	EH		0.2212	0.0968	0.0036
36	51	EH		0.0844	0.0617	-0.0035
36	52	EH		0.0763	0.069	-0.0106
36	40	EH		0.2134	0.1039	-0.0035
37	40	DEAD		0.0212	0.0499	0.0067
37	52	DEAD		0.0155	0.0338	-0.0281
37	53	DEAD		-0.0174	0.109	-0.0411
37	41	DEAD		-0.0094	0.1235	-0.0063
37	40	EH		0.2069	0.1296	0.0068
37	52	EH		0.0926	0.0923	-0.0207
37	53	EH		0.0376	-3.147E-05	-0.0344
37	41	EH		0.1512	0.0376	-0.0069
38	41	DEAD		-0.0348	-0.0031	-0.0529
38	53	DEAD		-0.0163	0.1142	0.0059
38	54	DEAD		0.0759	0.1812	0.1116
38	42	DEAD		0.0572	0.0639	0.0529
38	41	EH		0.1269	0.0671	-0.003
38	53	EH		0.0807	0.0643	-0.0383
38	54	EH		-0.034	-0.273	-0.0321
38	42	EH		0.0122	-0.2706	0.0032
39	43	DEAD		-2.302E-04	-0.005	-0.0046
39	6	DEAD		-1.594E-04	0.0047	-0.0045
39	55	DEAD		6.306E-05	0.0052	0.0045
39	44	DEAD		8.678E-05	-0.0046	0.0044
39	43	EH		0.0111	0.0057	0.0072

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
39	6	EH		-0.0328	-0.0021	-4.516E-04
39	55	EH		-0.0454	-0.0125	4.670E-04
39	44	EH		-0.0012	-0.0047	0.0081
40	44	DEAD		3.163E-04	0.0054	0.0044
40	55	DEAD		-5.089E-05	-0.0043	0.0045
40	56	DEAD		2.279E-04	-0.0043	-0.0046
40	45	DEAD		2.711E-04	0.0056	-0.0046
40	44	EH		0.0224	0.0057	0.0101
40	55	EH		-0.0662	-0.009	-0.0014
40	56	EH		-0.0843	-0.0214	0.0015
40	45	EH		0.0048	-0.0068	0.0129
41	45	DEAD		-4.184E-04	-0.0046	-0.0048
41	56	DEAD		7.916E-04	0.0053	-0.0046
41	57	DEAD		8.319E-04	0.0057	0.0047
41	46	DEAD		1.519E-04	-0.0046	0.0045
41	45	EH		0.0334	0.0102	0.0139
41	56	EH		-0.1092	-0.0196	6.309E-04
41	57	EH		-0.1297	-0.0329	-6.200E-04
41	46	EH		0.0132	-0.003	0.0126
42	46	DEAD		1.008E-04	0.0058	0.0045
42	57	DEAD		9.620E-04	-0.0042	0.0048
42	58	DEAD		0.0018	-0.0048	-0.005
42	47	DEAD		1.295E-04	0.0058	-0.0053
42	46	EH		0.0435	0.0113	0.013
42	57	EH		-0.1558	-0.0266	-9.148E-04
42	58	EH		-0.1777	-0.0409	9.627E-04
42	47	EH		0.0222	-0.0032	0.0149
43	47	DEAD		-0.0012	-0.0057	-0.0054
43	58	DEAD		0.0029	0.006	-0.0052
43	59	DEAD		0.0022	0.0039	0.0054
43	48	DEAD		-9.731E-04	-0.0086	0.0052
43	47	EH		0.0539	0.0155	0.0152
43	58	EH		-0.205	-0.038	8.310E-04
43	59	EH		-0.2272	-0.0521	-8.302E-04
43	48	EH		0.0319	0.0015	0.0136
44	48	DEAD		-6.841E-06	0.0033	0.006
44	59	DEAD		0.0015	-0.0065	0.0049
44	60	DEAD		-9.250E-04	-0.0144	-0.0051
44	49	DEAD		-0.0036	-0.0037	-0.0039
44	48	EH		0.0641	0.0167	0.0136
44	59	EH		-0.255	-0.0456	-7.148E-04
44	60	EH		-0.2766	-0.0557	7.760E-04
44	49	EH		0.0432	0.0064	0.0151
45	49	DEAD		4.249E-04	-0.0142	-0.0027
45	60	DEAD		-0.0044	-0.0011	-0.0068
45	61	DEAD		-0.0133	-0.0136	0.007
45	50	DEAD		-0.0068	-0.0279	0.0111
45	49	EH		0.0741	0.0253	0.0143
45	60	EH		-0.3034	-0.0542	0.002
45	61	EH		-0.32	-0.0545	-0.002
45	50	EH		0.0576	0.0251	0.0103
46	50	DEAD		0.0057	-0.0079	0.0116
46	61	DEAD		-0.0249	-0.0287	0.0071
46	62	DEAD		-0.0314	-0.0359	-0.0073

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
46	51	DEAD		-0.0024	-0.0138	-0.0028
46	50	EH		0.0807	0.0361	0.0075
46	61	EH		-0.34	-0.0502	0.001
46	62	EH		-0.3461	-0.0354	-9.763E-04
46	51	EH		0.0752	0.0507	0.0055
47	51	DEAD		0.0077	-0.0214	-0.0061
47	62	DEAD		-0.0401	-0.0216	-0.0046
47	63	DEAD		-0.0314	0.0183	0.005
47	52	DEAD		0.0186	0.017	0.0035
47	51	EH		0.0799	0.0569	-0.001
47	62	EH		-0.3508	-0.0419	0.006
47	63	EH		-0.3373	-0.0229	-0.0061
47	52	EH		0.0929	0.0762	-0.0132
48	52	DEAD		0.008	0.0267	-0.0128
48	63	DEAD		-0.028	-0.0271	0.022
48	64	DEAD		0.0411	0.0774	-0.0224
48	53	DEAD		0.0743	0.1329	-0.0572
48	52	EH		0.0594	0.0572	-0.0233
48	63	EH		-0.3081	-0.0254	0.0042
48	64	EH		-0.2745	-0.0428	-0.0042
48	53	EH		0.0925	0.0395	-0.0318
49	53	DEAD		0.0396	0.0801	-0.0111
49	64	DEAD		0.0978	0.24	-0.0697
49	1	DEAD		0.0428	0.3733	0.0707
49	54	DEAD		-0.0103	0.2092	0.1293
49	53	EH		0.0046	-0.0147	-0.0354
49	64	EH		-0.1998	-0.0549	-2.464E-04
49	1	EH		-0.1887	-0.2399	7.386E-05
49	54	EH		0.0139	-0.1996	-0.0351
50	7	DEAD		-1.594E-04	0.0047	-0.0045
50	67	DEAD		6.306E-05	0.0052	0.0045
50	66	DEAD		8.678E-05	-0.0046	0.0044
50	65	DEAD		-2.302E-04	-0.005	-0.0046
50	7	EH		-0.0328	-0.0021	-4.516E-04
50	67	EH		-0.0454	-0.0125	4.670E-04
50	66	EH		-0.0012	-0.0047	0.0081
50	65	EH		0.0111	0.0057	0.0072
51	67	DEAD		-5.089E-05	-0.0043	0.0045
51	69	DEAD		2.279E-04	-0.0043	-0.0046
51	68	DEAD		2.711E-04	0.0056	-0.0046
51	66	DEAD		3.163E-04	0.0054	0.0044
51	67	EH		-0.0662	-0.009	-0.0014
51	69	EH		-0.0843	-0.0214	0.0015
51	68	EH		0.0048	-0.0068	0.0129
51	66	EH		0.0224	0.0057	0.0101
52	69	DEAD		7.916E-04	0.0053	-0.0046
52	71	DEAD		8.319E-04	0.0057	0.0047
52	70	DEAD		1.519E-04	-0.0046	0.0045
52	68	DEAD		-4.184E-04	-0.0046	-0.0048
52	69	EH		-0.1092	-0.0196	6.309E-04
52	71	EH		-0.1297	-0.0329	-6.200E-04
52	70	EH		0.0132	-0.003	0.0126
52	68	EH		0.0334	0.0102	0.0139
53	71	DEAD		9.620E-04	-0.0042	0.0048

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
53	73	DEAD		0.0018	-0.0048	-0.005
53	72	DEAD		1.295E-04	0.0058	-0.0053
53	70	DEAD		1.008E-04	0.0058	0.0045
53	71	EH		-0.1558	-0.0266	-9.148E-04
53	73	EH		-0.1777	-0.0409	9.627E-04
53	72	EH		0.0222	-0.0032	0.0149
53	70	EH		0.0435	0.0113	0.013
54	73	DEAD		0.0029	0.006	-0.0052
54	75	DEAD		0.0022	0.0039	0.0054
54	74	DEAD		-9.731E-04	-0.0086	0.0052
54	72	DEAD		-0.0012	-0.0057	-0.0054
54	73	EH		-0.205	-0.038	8.310E-04
54	75	EH		-0.2272	-0.0521	-8.302E-04
54	74	EH		0.0319	0.0015	0.0136
54	72	EH		0.0539	0.0155	0.0152
55	75	DEAD		0.0015	-0.0065	0.0049
55	77	DEAD		-9.250E-04	-0.0144	-0.0051
55	76	DEAD		-0.0036	-0.0037	-0.0039
55	74	DEAD		-6.841E-06	0.0033	0.006
55	75	EH		-0.255	-0.0456	-7.148E-04
55	77	EH		-0.2766	-0.0557	7.760E-04
55	76	EH		0.0432	0.0064	0.0151
55	74	EH		0.0641	0.0167	0.0136
56	77	DEAD		-0.0044	-0.0011	-0.0068
56	79	DEAD		-0.0133	-0.0136	0.007
56	78	DEAD		-0.0068	-0.0279	0.0111
56	76	DEAD		4.249E-04	-0.0142	-0.0027
56	77	EH		-0.3034	-0.0542	0.002
56	79	EH		-0.32	-0.0545	-0.002
56	78	EH		0.0576	0.0251	0.0103
56	76	EH		0.0741	0.0253	0.0143
57	79	DEAD		-0.0249	-0.0287	0.0071
57	81	DEAD		-0.0314	-0.0359	-0.0073
57	80	DEAD		-0.0024	-0.0138	-0.0028
57	78	DEAD		0.0057	-0.0079	0.0116
57	79	EH		-0.34	-0.0502	0.001
57	81	EH		-0.3461	-0.0354	-9.763E-04
57	80	EH		0.0752	0.0507	0.0055
57	78	EH		0.0807	0.0361	0.0075
58	81	DEAD		-0.0401	-0.0216	-0.0046
58	83	DEAD		-0.0314	0.0183	0.005
58	82	DEAD		0.0186	0.017	0.0035
58	80	DEAD		0.0077	-0.0214	-0.0061
58	81	EH		-0.3508	-0.0419	0.006
58	83	EH		-0.3373	-0.0229	-0.0061
58	82	EH		0.0929	0.0762	-0.0132
58	80	EH		0.0799	0.0569	-0.001
59	83	DEAD		-0.028	-0.0271	0.022
59	85	DEAD		0.0411	0.0774	-0.0224
59	84	DEAD		0.0743	0.1329	-0.0572
59	82	DEAD		0.008	0.0267	-0.0128
59	83	EH		-0.3081	-0.0254	0.0042
59	85	EH		-0.2745	-0.0428	-0.0042
59	84	EH		0.0925	0.0395	-0.0318

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
59	82	EH		0.0594	0.0572	-0.0233
60	85	DEAD		0.0978	0.24	-0.0697
60	3	DEAD		0.0428	0.3733	0.0707
60	86	DEAD		-0.0103	0.2092	0.1293
60	84	DEAD		0.0396	0.0801	-0.0111
60	85	EH		-0.1998	-0.0549	-2.464E-04
60	3	EH		-0.1887	-0.2399	7.386E-05
60	86	EH		0.0139	-0.1996	-0.0351
60	84	EH		0.0046	-0.0147	-0.0354
61	65	DEAD		6.732E-05	-0.0048	0.0044
61	66	DEAD		-5.101E-05	-0.0047	-0.0047
61	88	DEAD		1.092E-04	0.0052	-0.0046
61	87	DEAD		3.321E-04	0.0051	0.0046
61	65	EH		9.237E-04	-0.005	0.0057
61	66	EH		0.0136	0.007	0.0097
61	88	EH		0.0322	0.0064	0.002
61	87	EH		0.0195	-0.0056	-0.002
62	66	DEAD		3.881E-04	0.0055	-0.0047
62	68	DEAD		1.360E-04	0.0056	0.0046
62	89	DEAD		-1.659E-04	-0.0046	0.0047
62	88	DEAD		-2.306E-04	-0.0045	-0.0046
62	66	EH		0.0047	-0.0111	0.0116
62	68	EH		0.0244	0.0104	0.0114
62	89	EH		0.0549	0.0168	-1.221E-04
62	88	EH		0.0352	-0.0048	1.154E-04
63	68	DEAD		-1.826E-04	-0.0044	0.0046
63	70	DEAD		-2.309E-04	-0.0048	-0.0051
63	90	DEAD		-3.236E-04	0.0058	-0.0049
63	89	DEAD		2.665E-04	0.0059	0.0048
63	68	EH		0.0122	-0.0082	0.0122
63	70	EH		0.0345	0.0154	0.0142
63	90	EH		0.0824	0.0228	0.001
63	89	EH		0.0599	-8.051E-04	-9.937E-04
64	70	DEAD		5.137E-04	0.0062	-0.0053
64	72	DEAD		-5.886E-04	0.0053	0.0047
64	91	DEAD		-0.0012	-0.0059	0.005
64	90	DEAD		-8.971E-04	-0.0044	-0.0049
64	70	EH		0.0211	-0.0081	0.0146
64	72	EH		0.0446	0.0162	0.0132
64	91	EH		0.1114	0.0311	-7.281E-04
64	90	EH		0.0879	0.0068	7.120E-04
65	72	DEAD		-9.092E-04	-0.0054	0.0049
65	74	DEAD		-0.0013	-0.0089	-0.0054
65	92	DEAD		-0.0022	0.0024	-0.0052
65	91	DEAD		-8.027E-04	0.0053	0.0051
65	72	EH		0.0308	-0.0045	0.0134
65	74	EH		0.0551	0.0215	0.0154
65	92	EH		0.1416	0.0365	9.956E-04
65	91	EH		0.117	0.0107	-9.642E-04
66	74	DEAD		-0.0013	0.0023	-0.0049
66	76	DEAD		-0.0014	-0.0025	0.0074
66	93	DEAD		-0.0014	-0.0163	0.0063
66	92	DEAD		-0.0025	-0.0106	-0.0061
66	74	EH		0.0411	-0.0034	0.0154

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
66	76	EH		0.0663	0.0265	0.0132
66	93	EH		0.1726	0.0502	-0.0011
66	92	EH		0.1474	0.0201	0.0011
67	76	DEAD		-0.0045	-0.0189	0.0091
67	78	DEAD		0.0011	-0.0225	-0.0012
67	94	DEAD		0.0042	-0.0102	-0.0053
67	93	DEAD		6.660E-05	-0.0077	0.005
67	76	EH		0.0536	0.0073	0.0122
67	78	EH		0.077	0.0429	0.0125
67	94	EH		0.2016	0.0673	1.554E-04
67	93	EH		0.1778	0.032	-1.180E-04
68	78	DEAD		-0.0026	-0.0173	-0.0012
68	80	DEAD		0.005	-0.0046	0.0105
68	95	DEAD		0.0147	-0.0161	0.006
68	94	DEAD		0.0054	-0.0275	-0.0057
68	78	EH		0.068	0.0256	0.0097
68	80	EH		0.0839	0.0604	0.0033
68	95	EH		0.2211	0.0948	-0.0032
68	94	EH		0.2055	0.0597	0.0031
69	80	DEAD		0.0019	-0.0249	0.0078
69	82	DEAD		0.0096	0.0176	-0.0111
69	96	DEAD		0.0221	0.0414	-0.0096
69	95	DEAD		0.0164	-0.0027	0.0093
69	80	EH		0.0844	0.0617	-0.0035
69	82	EH		0.0763	0.069	-0.0106
69	96	EH		0.2134	0.1039	-0.0035
69	95	EH		0.2212	0.0968	0.0036
70	82	DEAD		0.0155	0.0338	-0.0281
70	84	DEAD		-0.0174	0.109	-0.0411
70	97	DEAD		-0.0094	0.1235	-0.0063
70	96	DEAD		0.0212	0.0499	0.0067
70	82	EH		0.0926	0.0923	-0.0207
70	84	EH		0.0376	-3.147E-05	-0.0344
70	97	EH		0.1512	0.0376	-0.0069
70	96	EH		0.2069	0.1296	0.0068
71	84	DEAD		-0.0163	0.1142	0.0059
71	86	DEAD		0.0759	0.1812	0.1116
71	98	DEAD		0.0572	0.0639	0.0529
71	97	DEAD		-0.0348	-0.0031	-0.0529
71	84	EH		0.0807	0.0643	-0.0383
71	86	EH		-0.034	-0.273	-0.0321
71	98	EH		0.0122	-0.2706	0.0032
71	97	EH		0.1269	0.0671	-0.003
72	87	DEAD		3.321E-04	0.0051	-0.0046
72	88	DEAD		1.092E-04	0.0052	0.0046
72	100	DEAD		-5.101E-05	-0.0047	0.0047
72	99	DEAD		6.732E-05	-0.0048	-0.0044
72	87	EH		0.0195	-0.0056	0.002
72	88	EH		0.0322	0.0064	-0.002
72	100	EH		0.0136	0.007	-0.0097
72	99	EH		9.237E-04	-0.005	-0.0057
73	88	DEAD		-2.306E-04	-0.0045	0.0046
73	89	DEAD		-1.659E-04	-0.0046	-0.0047
73	101	DEAD		1.360E-04	0.0056	-0.0046

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
73	100	DEAD		3.881E-04	0.0055	0.0047
73	88	EH		0.0352	-0.0048	-1.154E-04
73	89	EH		0.0549	0.0168	1.221E-04
73	101	EH		0.0244	0.0104	-0.0114
73	100	EH		0.0047	-0.0111	-0.0116
74	89	DEAD		2.665E-04	0.0059	-0.0048
74	90	DEAD		-3.236E-04	0.0058	0.0049
74	102	DEAD		-2.309E-04	-0.0048	0.0051
74	101	DEAD		-1.826E-04	-0.0044	-0.0046
74	89	EH		0.0599	-8.051E-04	9.937E-04
74	90	EH		0.0824	0.0228	-0.001
74	102	EH		0.0345	0.0154	-0.0142
74	101	EH		0.0122	-0.0082	-0.0122
75	90	DEAD		-8.971E-04	-0.0044	0.0049
75	91	DEAD		-0.0012	-0.0059	-0.005
75	103	DEAD		-5.886E-04	0.0053	-0.0047
75	102	DEAD		5.137E-04	0.0062	0.0053
75	90	EH		0.0879	0.0068	-7.120E-04
75	91	EH		0.1114	0.0311	7.281E-04
75	103	EH		0.0446	0.0162	-0.0132
75	102	EH		0.0211	-0.0081	-0.0146
76	91	DEAD		-8.027E-04	0.0053	-0.0051
76	92	DEAD		-0.0022	0.0024	0.0052
76	104	DEAD		-0.0013	-0.0089	0.0054
76	103	DEAD		-9.092E-04	-0.0054	-0.0049
76	91	EH		0.117	0.0107	9.642E-04
76	92	EH		0.1416	0.0365	-9.956E-04
76	104	EH		0.0551	0.0215	-0.0154
76	103	EH		0.0308	-0.0045	-0.0134
77	92	DEAD		-0.0025	-0.0106	0.0061
77	93	DEAD		-0.0014	-0.0163	-0.0063
77	105	DEAD		-0.0014	-0.0025	-0.0074
77	104	DEAD		-0.0013	0.0023	0.0049
77	92	EH		0.1474	0.0201	-0.0011
77	93	EH		0.1726	0.0502	0.0011
77	105	EH		0.0663	0.0265	-0.0132
77	104	EH		0.0411	-0.0034	-0.0154
78	93	DEAD		6.660E-05	-0.0077	-0.005
78	94	DEAD		0.0042	-0.0102	0.0053
78	106	DEAD		0.0011	-0.0225	0.0012
78	105	DEAD		-0.0045	-0.0189	-0.0091
78	93	EH		0.1778	0.032	1.180E-04
78	94	EH		0.2016	0.0673	-1.554E-04
78	106	EH		0.077	0.0429	-0.0125
78	105	EH		0.0536	0.0073	-0.0122
79	94	DEAD		0.0054	-0.0275	0.0057
79	95	DEAD		0.0147	-0.0161	-0.006
79	107	DEAD		0.005	-0.0046	-0.0105
79	106	DEAD		-0.0026	-0.0173	0.0012
79	94	EH		0.2055	0.0597	-0.0031
79	95	EH		0.2211	0.0948	0.0032
79	107	EH		0.0839	0.0604	-0.0033
79	106	EH		0.068	0.0256	-0.0097
80	95	DEAD		0.0164	-0.0027	-0.0093

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
80	96	DEAD		0.0221	0.0414	0.0096
80	108	DEAD		0.0096	0.0176	0.0111
80	107	DEAD		0.0019	-0.0249	-0.0078
80	95	EH		0.2212	0.0968	-0.0036
80	96	EH		0.2134	0.1039	0.0035
80	108	EH		0.0763	0.069	0.0106
80	107	EH		0.0844	0.0617	0.0035
81	96	DEAD		0.0212	0.0499	-0.0067
81	97	DEAD		-0.0094	0.1235	0.0063
81	109	DEAD		-0.0174	0.109	0.0411
81	108	DEAD		0.0155	0.0338	0.0281
81	96	EH		0.2069	0.1296	-0.0068
81	97	EH		0.1512	0.0376	0.0069
81	109	EH		0.0376	-3.147E-05	0.0344
81	108	EH		0.0926	0.0923	0.0207
82	97	DEAD		-0.0348	-0.0031	0.0529
82	98	DEAD		0.0572	0.0639	-0.0529
82	110	DEAD		0.0759	0.1812	-0.1116
82	109	DEAD		-0.0163	0.1142	-0.0059
82	97	EH		0.1269	0.0671	0.003
82	98	EH		0.0122	-0.2706	-0.0032
82	110	EH		-0.034	-0.273	0.0321
82	109	EH		0.0807	0.0643	0.0383
83	99	DEAD		-2.302E-04	-0.005	0.0046
83	100	DEAD		8.678E-05	-0.0046	-0.0044
83	111	DEAD		6.306E-05	0.0052	-0.0045
83	8	DEAD		-1.594E-04	0.0047	0.0045
83	99	EH		0.0111	0.0057	-0.0072
83	100	EH		-0.0012	-0.0047	-0.0081
83	111	EH		-0.0454	-0.0125	-4.670E-04
83	8	EH		-0.0328	-0.0021	4.516E-04
84	100	DEAD		3.163E-04	0.0054	-0.0044
84	101	DEAD		2.711E-04	0.0056	0.0046
84	112	DEAD		2.279E-04	-0.0043	0.0046
84	111	DEAD		-5.089E-05	-0.0043	-0.0045
84	100	EH		0.0224	0.0057	-0.0101
84	101	EH		0.0048	-0.0068	-0.0129
84	112	EH		-0.0843	-0.0214	-0.0015
84	111	EH		-0.0662	-0.009	0.0014
85	101	DEAD		-4.184E-04	-0.0046	0.0048
85	102	DEAD		1.519E-04	-0.0046	-0.0045
85	113	DEAD		8.319E-04	0.0057	-0.0047
85	112	DEAD		7.916E-04	0.0053	0.0046
85	101	EH		0.0334	0.0102	-0.0139
85	102	EH		0.0132	-0.003	-0.0126
85	113	EH		-0.1297	-0.0329	6.200E-04
85	112	EH		-0.1092	-0.0196	-6.309E-04
86	102	DEAD		1.008E-04	0.0058	-0.0045
86	103	DEAD		1.295E-04	0.0058	0.0053
86	114	DEAD		0.0018	-0.0048	0.005
86	113	DEAD		9.620E-04	-0.0042	-0.0048
86	102	EH		0.0435	0.0113	-0.013
86	103	EH		0.0222	-0.0032	-0.0149
86	114	EH		-0.1777	-0.0409	-9.627E-04

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
86	113	EH		-0.1558	-0.0266	9.148E-04
87	103	DEAD		-0.0012	-0.0057	0.0054
87	104	DEAD		-9.731E-04	-0.0086	-0.0052
87	115	DEAD		0.0022	0.0039	-0.0054
87	114	DEAD		0.0029	0.006	0.0052
87	103	EH		0.0539	0.0155	-0.0152
87	104	EH		0.0319	0.0015	-0.0136
87	115	EH		-0.2272	-0.0521	8.302E-04
87	114	EH		-0.205	-0.038	-8.310E-04
88	104	DEAD		-6.841E-06	0.0033	-0.006
88	105	DEAD		-0.0036	-0.0037	0.0039
88	116	DEAD		-9.250E-04	-0.0144	0.0051
88	115	DEAD		0.0015	-0.0065	-0.0049
88	104	EH		0.0641	0.0167	-0.0136
88	105	EH		0.0432	0.0064	-0.0151
88	116	EH		-0.2766	-0.0557	-7.760E-04
88	115	EH		-0.255	-0.0456	7.148E-04
89	105	DEAD		4.249E-04	-0.0142	0.0027
89	106	DEAD		-0.0068	-0.0279	-0.0111
89	117	DEAD		-0.0133	-0.0136	-0.007
89	116	DEAD		-0.0044	-0.0011	0.0068
89	105	EH		0.0741	0.0253	-0.0143
89	106	EH		0.0576	0.0251	-0.0103
89	117	EH		-0.32	-0.0545	0.002
89	116	EH		-0.3034	-0.0542	-0.002
90	106	DEAD		0.0057	-0.0079	-0.0116
90	107	DEAD		-0.0024	-0.0138	0.0028
90	118	DEAD		-0.0314	-0.0359	0.0073
90	117	DEAD		-0.0249	-0.0287	-0.0071
90	106	EH		0.0807	0.0361	-0.0075
90	107	EH		0.0752	0.0507	-0.0055
90	118	EH		-0.3461	-0.0354	9.763E-04
90	117	EH		-0.34	-0.0502	-0.001
91	107	DEAD		0.0077	-0.0214	0.0061
91	108	DEAD		0.0186	0.017	-0.0035
91	119	DEAD		-0.0314	0.0183	-0.005
91	118	DEAD		-0.0401	-0.0216	0.0046
91	107	EH		0.0799	0.0569	0.001
91	108	EH		0.0929	0.0762	0.0132
91	119	EH		-0.3373	-0.0229	0.0061
91	118	EH		-0.3508	-0.0419	-0.006
92	108	DEAD		0.008	0.0267	0.0128
92	109	DEAD		0.0743	0.1329	0.0572
92	120	DEAD		0.0411	0.0774	0.0224
92	119	DEAD		-0.028	-0.0271	-0.022
92	108	EH		0.0594	0.0572	0.0233
92	109	EH		0.0925	0.0395	0.0318
92	120	EH		-0.2745	-0.0428	0.0042
92	119	EH		-0.3081	-0.0254	-0.0042
93	109	DEAD		0.0396	0.0801	0.0111
93	110	DEAD		-0.0103	0.2092	-0.1293
93	2	DEAD		0.0428	0.3733	-0.0707
93	120	DEAD		0.0978	0.24	0.0697
93	109	EH		0.0046	-0.0147	0.0354

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
93	110	EH		0.0139	-0.1996	0.0351
93	2	EH		-0.1887	-0.2399	-7.386E-05
93	120	EH		-0.1998	-0.0549	2.464E-04
94	5	DEAD		-1.594E-04	0.0047	-0.0045
94	11	DEAD		6.306E-05	0.0052	0.0045
94	122	DEAD		8.678E-05	-0.0046	0.0044
94	121	DEAD		-2.302E-04	-0.005	-0.0046
94	5	EH		-0.0328	-0.0021	-4.516E-04
94	11	EH		-0.0454	-0.0125	4.670E-04
94	122	EH		-0.0012	-0.0047	0.0081
94	121	EH		0.0111	0.0057	0.0072
95	11	DEAD		-5.089E-05	-0.0043	0.0045
95	13	DEAD		2.279E-04	-0.0043	-0.0046
95	123	DEAD		2.711E-04	0.0056	-0.0046
95	122	DEAD		3.163E-04	0.0054	0.0044
95	11	EH		-0.0662	-0.009	-0.0014
95	13	EH		-0.0843	-0.0214	0.0015
95	123	EH		0.0048	-0.0068	0.0129
95	122	EH		0.0224	0.0057	0.0101
96	13	DEAD		7.916E-04	0.0053	-0.0046
96	15	DEAD		8.319E-04	0.0057	0.0047
96	124	DEAD		1.519E-04	-0.0046	0.0045
96	123	DEAD		-4.184E-04	-0.0046	-0.0048
96	13	EH		-0.1092	-0.0196	6.309E-04
96	15	EH		-0.1297	-0.0329	-6.200E-04
96	124	EH		0.0132	-0.003	0.0126
96	123	EH		0.0334	0.0102	0.0139
97	15	DEAD		9.620E-04	-0.0042	0.0048
97	17	DEAD		0.0018	-0.0048	-0.005
97	125	DEAD		1.295E-04	0.0058	-0.0053
97	124	DEAD		1.008E-04	0.0058	0.0045
97	15	EH		-0.1558	-0.0266	-9.148E-04
97	17	EH		-0.1777	-0.0409	9.627E-04
97	125	EH		0.0222	-0.0032	0.0149
97	124	EH		0.0435	0.0113	0.013
98	17	DEAD		0.0029	0.006	-0.0052
98	19	DEAD		0.0022	0.0039	0.0054
98	126	DEAD		-9.731E-04	-0.0086	0.0052
98	125	DEAD		-0.0012	-0.0057	-0.0054
98	17	EH		-0.205	-0.038	8.310E-04
98	19	EH		-0.2272	-0.0521	-8.302E-04
98	126	EH		0.0319	0.0015	0.0136
98	125	EH		0.0539	0.0155	0.0152
99	19	DEAD		0.0015	-0.0065	0.0049
99	21	DEAD		-9.250E-04	-0.0144	-0.0051
99	127	DEAD		-0.0036	-0.0037	-0.0039
99	126	DEAD		-6.841E-06	0.0033	0.006
99	19	EH		-0.255	-0.0456	-7.148E-04
99	21	EH		-0.2766	-0.0557	7.760E-04
99	127	EH		0.0432	0.0064	0.0151
99	126	EH		0.0641	0.0167	0.0136
100	21	DEAD		-0.0044	-0.0011	-0.0068
100	23	DEAD		-0.0133	-0.0136	0.007
100	128	DEAD		-0.0068	-0.0279	0.0111

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
100	127	DEAD		4.249E-04	-0.0142	-0.0027
100	21	EH		-0.3034	-0.0542	0.002
100	23	EH		-0.32	-0.0545	-0.002
100	128	EH		0.0576	0.0251	0.0103
100	127	EH		0.0741	0.0253	0.0143
101	23	DEAD		-0.0249	-0.0287	0.0071
101	25	DEAD		-0.0314	-0.0359	-0.0073
101	129	DEAD		-0.0024	-0.0138	-0.0028
101	128	DEAD		0.0057	-0.0079	0.0116
101	23	EH		-0.34	-0.0502	0.001
101	25	EH		-0.3461	-0.0354	-9.763E-04
101	129	EH		0.0752	0.0507	0.0055
101	128	EH		0.0807	0.0361	0.0075
102	25	DEAD		-0.0401	-0.0216	-0.0046
102	27	DEAD		-0.0314	0.0183	0.005
102	130	DEAD		0.0186	0.017	0.0035
102	129	DEAD		0.0077	-0.0214	-0.0061
102	25	EH		-0.3508	-0.0419	0.006
102	27	EH		-0.3373	-0.0229	-0.0061
102	130	EH		0.0929	0.0762	-0.0132
102	129	EH		0.0799	0.0569	-0.001
103	27	DEAD		-0.028	-0.0271	0.022
103	29	DEAD		0.0411	0.0774	-0.0224
103	131	DEAD		0.0743	0.1329	-0.0572
103	130	DEAD		0.008	0.0267	-0.0128
103	27	EH		-0.3081	-0.0254	0.0042
103	29	EH		-0.2745	-0.0428	-0.0042
103	131	EH		0.0925	0.0395	-0.0318
103	130	EH		0.0594	0.0572	-0.0233
104	29	DEAD		0.0978	0.24	-0.0697
104	4	DEAD		0.0428	0.3733	0.0707
104	132	DEAD		-0.0103	0.2092	0.1293
104	131	DEAD		0.0396	0.0801	-0.0111
104	29	EH		-0.1998	-0.0549	-2.464E-04
104	4	EH		-0.1887	-0.2399	7.386E-05
104	132	EH		0.0139	-0.1996	-0.0351
104	131	EH		0.0046	-0.0147	-0.0354
105	121	DEAD		6.732E-05	-0.0048	0.0044
105	122	DEAD		-5.101E-05	-0.0047	-0.0047
105	134	DEAD		1.092E-04	0.0052	-0.0046
105	133	DEAD		3.321E-04	0.0051	0.0046
105	121	EH		9.237E-04	-0.005	0.0057
105	122	EH		0.0136	0.007	0.0097
105	134	EH		0.0322	0.0064	0.002
105	133	EH		0.0195	-0.0056	-0.002
106	122	DEAD		3.881E-04	0.0055	-0.0047
106	123	DEAD		1.360E-04	0.0056	0.0046
106	135	DEAD		-1.659E-04	-0.0046	0.0047
106	134	DEAD		-2.306E-04	-0.0045	-0.0046
106	122	EH		0.0047	-0.0111	0.0116
106	123	EH		0.0244	0.0104	0.0114
106	135	EH		0.0549	0.0168	-1.221E-04
106	134	EH		0.0352	-0.0048	1.154E-04
107	123	DEAD		-1.826E-04	-0.0044	0.0046

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
107	124	DEAD		-2.309E-04	-0.0048	-0.0051
107	136	DEAD		-3.236E-04	0.0058	-0.0049
107	135	DEAD		2.665E-04	0.0059	0.0048
107	123	EH		0.0122	-0.0082	0.0122
107	124	EH		0.0345	0.0154	0.0142
107	136	EH		0.0824	0.0228	0.001
107	135	EH		0.0599	-8.051E-04	-9.937E-04
108	124	DEAD		5.137E-04	0.0062	-0.0053
108	125	DEAD		-5.886E-04	0.0053	0.0047
108	137	DEAD		-0.0012	-0.0059	0.005
108	136	DEAD		-8.971E-04	-0.0044	-0.0049
108	124	EH		0.0211	-0.0081	0.0146
108	125	EH		0.0446	0.0162	0.0132
108	137	EH		0.1114	0.0311	-7.281E-04
108	136	EH		0.0879	0.0068	7.120E-04
109	125	DEAD		-9.092E-04	-0.0054	0.0049
109	126	DEAD		-0.0013	-0.0089	-0.0054
109	138	DEAD		-0.0022	0.0024	-0.0052
109	137	DEAD		-8.027E-04	0.0053	0.0051
109	125	EH		0.0308	-0.0045	0.0134
109	126	EH		0.0551	0.0215	0.0154
109	138	EH		0.1416	0.0365	9.956E-04
109	137	EH		0.117	0.0107	-9.642E-04
110	126	DEAD		-0.0013	0.0023	-0.0049
110	127	DEAD		-0.0014	-0.0025	0.0074
110	139	DEAD		-0.0014	-0.0163	0.0063
110	138	DEAD		-0.0025	-0.0106	-0.0061
110	126	EH		0.0411	-0.0034	0.0154
110	127	EH		0.0663	0.0265	0.0132
110	139	EH		0.1726	0.0502	-0.0011
110	138	EH		0.1474	0.0201	0.0011
111	127	DEAD		-0.0045	-0.0189	0.0091
111	128	DEAD		0.0011	-0.0225	-0.0012
111	140	DEAD		0.0042	-0.0102	-0.0053
111	139	DEAD		6.660E-05	-0.0077	0.005
111	127	EH		0.0536	0.0073	0.0122
111	128	EH		0.077	0.0429	0.0125
111	140	EH		0.2016	0.0673	1.554E-04
111	139	EH		0.1778	0.032	-1.180E-04
112	128	DEAD		-0.0026	-0.0173	-0.0012
112	129	DEAD		0.005	-0.0046	0.0105
112	141	DEAD		0.0147	-0.0161	0.006
112	140	DEAD		0.0054	-0.0275	-0.0057
112	128	EH		0.068	0.0256	0.0097
112	129	EH		0.0839	0.0604	0.0033
112	141	EH		0.2211	0.0948	-0.0032
112	140	EH		0.2055	0.0597	0.0031
113	129	DEAD		0.0019	-0.0249	0.0078
113	130	DEAD		0.0096	0.0176	-0.0111
113	142	DEAD		0.0221	0.0414	-0.0096
113	141	DEAD		0.0164	-0.0027	0.0093
113	129	EH		0.0844	0.0617	-0.0035
113	130	EH		0.0763	0.069	-0.0106
113	142	EH		0.2134	0.1039	-0.0035

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
113	141	EH		0.2212	0.0968	0.0036
114	130	DEAD		0.0155	0.0338	-0.0281
114	131	DEAD		-0.0174	0.109	-0.0411
114	143	DEAD		-0.0094	0.1235	-0.0063
114	142	DEAD		0.0212	0.0499	0.0067
114	130	EH		0.0926	0.0923	-0.0207
114	131	EH		0.0376	-3.147E-05	-0.0344
114	143	EH		0.1512	0.0376	-0.0069
114	142	EH		0.2069	0.1296	0.0068
115	131	DEAD		-0.0163	0.1142	0.0059
115	132	DEAD		0.0759	0.1812	0.1116
115	144	DEAD		0.0572	0.0639	0.0529
115	143	DEAD		-0.0348	-0.0031	-0.0529
115	131	EH		0.0807	0.0643	-0.0383
115	132	EH		-0.034	-0.273	-0.0321
115	144	EH		0.0122	-0.2706	0.0032
115	143	EH		0.1269	0.0671	-0.003
116	133	DEAD		3.321E-04	0.0051	-0.0046
116	134	DEAD		1.092E-04	0.0052	0.0046
116	146	DEAD		-5.101E-05	-0.0047	0.0047
116	145	DEAD		6.732E-05	-0.0048	-0.0044
116	133	EH		0.0195	-0.0056	0.002
116	134	EH		0.0322	0.0064	-0.002
116	146	EH		0.0136	0.007	-0.0097
116	145	EH		9.237E-04	-0.005	-0.0057
117	134	DEAD		-2.306E-04	-0.0045	0.0046
117	135	DEAD		-1.659E-04	-0.0046	-0.0047
117	147	DEAD		1.360E-04	0.0056	-0.0046
117	146	DEAD		3.881E-04	0.0055	0.0047
117	134	EH		0.0352	-0.0048	-1.154E-04
117	135	EH		0.0549	0.0168	1.221E-04
117	147	EH		0.0244	0.0104	-0.0114
117	146	EH		0.0047	-0.0111	-0.0116
118	135	DEAD		2.665E-04	0.0059	-0.0048
118	136	DEAD		-3.236E-04	0.0058	0.0049
118	148	DEAD		-2.309E-04	-0.0048	0.0051
118	147	DEAD		-1.826E-04	-0.0044	-0.0046
118	135	EH		0.0599	-8.051E-04	9.937E-04
118	136	EH		0.0824	0.0228	-0.001
118	148	EH		0.0345	0.0154	-0.0142
118	147	EH		0.0122	-0.0082	-0.0122
119	136	DEAD		-8.971E-04	-0.0044	0.0049
119	137	DEAD		-0.0012	-0.0059	-0.005
119	149	DEAD		-5.886E-04	0.0053	-0.0047
119	148	DEAD		5.137E-04	0.0062	0.0053
119	136	EH		0.0879	0.0068	-7.120E-04
119	137	EH		0.1114	0.0311	7.281E-04
119	149	EH		0.0446	0.0162	-0.0132
119	148	EH		0.0211	-0.0081	-0.0146
120	137	DEAD		-8.027E-04	0.0053	-0.0051
120	138	DEAD		-0.0022	0.0024	0.0052
120	150	DEAD		-0.0013	-0.0089	0.0054
120	149	DEAD		-9.092E-04	-0.0054	-0.0049
120	137	EH		0.117	0.0107	9.642E-04

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
120	138	EH		0.1416	0.0365	-9.956E-04
120	150	EH		0.0551	0.0215	-0.0154
120	149	EH		0.0308	-0.0045	-0.0134
121	138	DEAD		-0.0025	-0.0106	0.0061
121	139	DEAD		-0.0014	-0.0163	-0.0063
121	151	DEAD		-0.0014	-0.0025	-0.0074
121	150	DEAD		-0.0013	0.0023	0.0049
121	138	EH		0.1474	0.0201	-0.0011
121	139	EH		0.1726	0.0502	0.0011
121	151	EH		0.0663	0.0265	-0.0132
121	150	EH		0.0411	-0.0034	-0.0154
122	139	DEAD		6.660E-05	-0.0077	-0.005
122	140	DEAD		0.0042	-0.0102	0.0053
122	152	DEAD		0.0011	-0.0225	0.0012
122	151	DEAD		-0.0045	-0.0189	-0.0091
122	139	EH		0.1778	0.032	1.180E-04
122	140	EH		0.2016	0.0673	-1.554E-04
122	152	EH		0.077	0.0429	-0.0125
122	151	EH		0.0536	0.0073	-0.0122
123	140	DEAD		0.0054	-0.0275	0.0057
123	141	DEAD		0.0147	-0.0161	-0.006
123	153	DEAD		0.005	-0.0046	-0.0105
123	152	DEAD		-0.0026	-0.0173	0.0012
123	140	EH		0.2055	0.0597	-0.0031
123	141	EH		0.2211	0.0948	0.0032
123	153	EH		0.0839	0.0604	-0.0033
123	152	EH		0.068	0.0256	-0.0097
124	141	DEAD		0.0164	-0.0027	-0.0093
124	142	DEAD		0.0221	0.0414	0.0096
124	154	DEAD		0.0096	0.0176	0.0111
124	153	DEAD		0.0019	-0.0249	-0.0078
124	141	EH		0.2212	0.0968	-0.0036
124	142	EH		0.2134	0.1039	0.0035
124	154	EH		0.0763	0.069	0.0106
124	153	EH		0.0844	0.0617	0.0035
125	142	DEAD		0.0212	0.0499	-0.0067
125	143	DEAD		-0.0094	0.1235	0.0063
125	155	DEAD		-0.0174	0.109	0.0411
125	154	DEAD		0.0155	0.0338	0.0281
125	142	EH		0.2069	0.1296	-0.0068
125	143	EH		0.1512	0.0376	0.0069
125	155	EH		0.0376	-3.147E-05	0.0344
125	154	EH		0.0926	0.0923	0.0207
126	143	DEAD		-0.0348	-0.0031	0.0529
126	144	DEAD		0.0572	0.0639	-0.0529
126	156	DEAD		0.0759	0.1812	-0.1116
126	155	DEAD		-0.0163	0.1142	-0.0059
126	143	EH		0.1269	0.0671	0.003
126	144	EH		0.0122	-0.2706	-0.0032
126	156	EH		-0.034	-0.273	0.0321
126	155	EH		0.0807	0.0643	0.0383
127	145	DEAD		-2.302E-04	-0.005	0.0046
127	146	DEAD		8.678E-05	-0.0046	-0.0044
127	67	DEAD		6.306E-05	0.0052	-0.0045

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
127	7	DEAD		-1.594E-04	0.0047	0.0045
127	145	EH		0.0111	0.0057	-0.0072
127	146	EH		-0.0012	-0.0047	-0.0081
127	67	EH		-0.0454	-0.0125	-4.670E-04
127	7	EH		-0.0328	-0.0021	4.516E-04
128	146	DEAD		3.163E-04	0.0054	-0.0044
128	147	DEAD		2.711E-04	0.0056	0.0046
128	69	DEAD		2.279E-04	-0.0043	0.0046
128	67	DEAD		-5.089E-05	-0.0043	-0.0045
128	146	EH		0.0224	0.0057	-0.0101
128	147	EH		0.0048	-0.0068	-0.0129
128	69	EH		-0.0843	-0.0214	-0.0015
128	67	EH		-0.0662	-0.009	0.0014
129	147	DEAD		-4.184E-04	-0.0046	0.0048
129	148	DEAD		1.519E-04	-0.0046	-0.0045
129	71	DEAD		8.319E-04	0.0057	-0.0047
129	69	DEAD		7.916E-04	0.0053	0.0046
129	147	EH		0.0334	0.0102	-0.0139
129	148	EH		0.0132	-0.003	-0.0126
129	71	EH		-0.1297	-0.0329	6.200E-04
129	69	EH		-0.1092	-0.0196	-6.309E-04
130	148	DEAD		1.008E-04	0.0058	-0.0045
130	149	DEAD		1.295E-04	0.0058	0.0053
130	73	DEAD		0.0018	-0.0048	0.005
130	71	DEAD		9.620E-04	-0.0042	-0.0048
130	148	EH		0.0435	0.0113	-0.013
130	149	EH		0.0222	-0.0032	-0.0149
130	73	EH		-0.1777	-0.0409	-9.627E-04
130	71	EH		-0.1558	-0.0266	9.148E-04
131	149	DEAD		-0.0012	-0.0057	0.0054
131	150	DEAD		-9.731E-04	-0.0086	-0.0052
131	75	DEAD		0.0022	0.0039	-0.0054
131	73	DEAD		0.0029	0.006	0.0052
131	149	EH		0.0539	0.0155	-0.0152
131	150	EH		0.0319	0.0015	-0.0136
131	75	EH		-0.2272	-0.0521	8.302E-04
131	73	EH		-0.205	-0.038	-8.310E-04
132	150	DEAD		-6.841E-06	0.0033	-0.006
132	151	DEAD		-0.0036	-0.0037	0.0039
132	77	DEAD		-9.250E-04	-0.0144	0.0051
132	75	DEAD		0.0015	-0.0065	-0.0049
132	150	EH		0.0641	0.0167	-0.0136
132	151	EH		0.0432	0.0064	-0.0151
132	77	EH		-0.2766	-0.0557	-7.760E-04
132	75	EH		-0.255	-0.0456	7.148E-04
133	151	DEAD		4.249E-04	-0.0142	0.0027
133	152	DEAD		-0.0068	-0.0279	-0.0111
133	79	DEAD		-0.0133	-0.0136	-0.007
133	77	DEAD		-0.0044	-0.0011	0.0068
133	151	EH		0.0741	0.0253	-0.0143
133	152	EH		0.0576	0.0251	-0.0103
133	79	EH		-0.32	-0.0545	0.002
133	77	EH		-0.3034	-0.0542	-0.002
134	152	DEAD		0.0057	-0.0079	-0.0116

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
134	153	DEAD		-0.0024	-0.0138	0.0028
134	81	DEAD		-0.0314	-0.0359	0.0073
134	79	DEAD		-0.0249	-0.0287	-0.0071
134	152	EH		0.0807	0.0361	-0.0075
134	153	EH		0.0752	0.0507	-0.0055
134	81	EH		-0.3461	-0.0354	9.763E-04
134	79	EH		-0.34	-0.0502	-0.001
135	153	DEAD		0.0077	-0.0214	0.0061
135	154	DEAD		0.0186	0.017	-0.0035
135	83	DEAD		-0.0314	0.0183	-0.005
135	81	DEAD		-0.0401	-0.0216	0.0046
135	153	EH		0.0799	0.0569	0.001
135	154	EH		0.0929	0.0762	0.0132
135	83	EH		-0.3373	-0.0229	0.0061
135	81	EH		-0.3508	-0.0419	-0.006
136	154	DEAD		0.008	0.0267	0.0128
136	155	DEAD		0.0743	0.1329	0.0572
136	85	DEAD		0.0411	0.0774	0.0224
136	83	DEAD		-0.028	-0.0271	-0.022
136	154	EH		0.0594	0.0572	0.0233
136	155	EH		0.0925	0.0395	0.0318
136	85	EH		-0.2745	-0.0428	0.0042
136	83	EH		-0.3081	-0.0254	-0.0042
137	155	DEAD		0.0396	0.0801	0.0111
137	156	DEAD		-0.0103	0.2092	-0.1293
137	3	DEAD		0.0428	0.3733	-0.0707
137	85	DEAD		0.0978	0.24	0.0697
137	155	EH		0.0046	-0.0147	0.0354
137	156	EH		0.0139	-0.1996	0.0351
137	3	EH		-0.1887	-0.2399	-7.386E-05
137	85	EH		-0.1998	-0.0549	2.464E-04
138	6	DEAD		-1.594E-04	0.0047	0.0045
138	157	DEAD		-2.302E-04	-0.005	0.0046
138	158	DEAD		8.678E-05	-0.0046	-0.0044
138	55	DEAD		6.306E-05	0.0052	-0.0045
138	6	EH		-0.0328	-0.0021	4.516E-04
138	157	EH		0.0111	0.0057	-0.0072
138	158	EH		-0.0012	-0.0047	-0.0081
138	55	EH		-0.0454	-0.0125	-4.670E-04
139	55	DEAD		-5.089E-05	-0.0043	-0.0045
139	158	DEAD		3.163E-04	0.0054	-0.0044
139	159	DEAD		2.711E-04	0.0056	0.0046
139	56	DEAD		2.279E-04	-0.0043	0.0046
139	55	EH		-0.0662	-0.009	0.0014
139	158	EH		0.0224	0.0057	-0.0101
139	159	EH		0.0048	-0.0068	-0.0129
139	56	EH		-0.0843	-0.0214	-0.0015
140	56	DEAD		7.916E-04	0.0053	0.0046
140	159	DEAD		-4.184E-04	-0.0046	0.0048
140	160	DEAD		1.519E-04	-0.0046	-0.0045
140	57	DEAD		8.319E-04	0.0057	-0.0047
140	56	EH		-0.1092	-0.0196	-6.309E-04
140	159	EH		0.0334	0.0102	-0.0139
140	160	EH		0.0132	-0.003	-0.0126

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
140	57	EH		-0.1297	-0.0329	6.200E-04
141	57	DEAD		9.620E-04	-0.0042	-0.0048
141	160	DEAD		1.008E-04	0.0058	-0.0045
141	161	DEAD		1.295E-04	0.0058	0.0053
141	58	DEAD		0.0018	-0.0048	0.005
141	57	EH		-0.1558	-0.0266	9.148E-04
141	160	EH		0.0435	0.0113	-0.013
141	161	EH		0.0222	-0.0032	-0.0149
141	58	EH		-0.1777	-0.0409	-9.627E-04
142	58	DEAD		0.0029	0.006	0.0052
142	161	DEAD		-0.0012	-0.0057	0.0054
142	162	DEAD		-9.731E-04	-0.0086	-0.0052
142	59	DEAD		0.0022	0.0039	-0.0054
142	58	EH		-0.205	-0.038	-8.310E-04
142	161	EH		0.0539	0.0155	-0.0152
142	162	EH		0.0319	0.0015	-0.0136
142	59	EH		-0.2272	-0.0521	8.302E-04
143	59	DEAD		0.0015	-0.0065	-0.0049
143	162	DEAD		-6.841E-06	0.0033	-0.006
143	163	DEAD		-0.0036	-0.0037	0.0039
143	60	DEAD		-9.250E-04	-0.0144	0.0051
143	59	EH		-0.255	-0.0456	7.148E-04
143	162	EH		0.0641	0.0167	-0.0136
143	163	EH		0.0432	0.0064	-0.0151
143	60	EH		-0.2766	-0.0557	-7.760E-04
144	60	DEAD		-0.0044	-0.0011	0.0068
144	163	DEAD		4.249E-04	-0.0142	0.0027
144	164	DEAD		-0.0068	-0.0279	-0.0111
144	61	DEAD		-0.0133	-0.0136	-0.007
144	60	EH		-0.3034	-0.0542	-0.002
144	163	EH		0.0741	0.0253	-0.0143
144	164	EH		0.0576	0.0251	-0.0103
144	61	EH		-0.32	-0.0545	0.002
145	61	DEAD		-0.0249	-0.0287	-0.0071
145	164	DEAD		0.0057	-0.0079	-0.0116
145	165	DEAD		-0.0024	-0.0138	0.0028
145	62	DEAD		-0.0314	-0.0359	0.0073
145	61	EH		-0.34	-0.0502	-0.001
145	164	EH		0.0807	0.0361	-0.0075
145	165	EH		0.0752	0.0507	-0.0055
145	62	EH		-0.3461	-0.0354	9.763E-04
146	62	DEAD		-0.0401	-0.0216	0.0046
146	165	DEAD		0.0077	-0.0214	0.0061
146	166	DEAD		0.0186	0.017	-0.0035
146	63	DEAD		-0.0314	0.0183	-0.005
146	62	EH		-0.3508	-0.0419	-0.006
146	165	EH		0.0799	0.0569	0.001
146	166	EH		0.0929	0.0762	0.0132
146	63	EH		-0.3373	-0.0229	0.0061
147	63	DEAD		-0.028	-0.0271	-0.022
147	166	DEAD		0.008	0.0267	0.0128
147	167	DEAD		0.0743	0.1329	0.0572
147	64	DEAD		0.0411	0.0774	0.0224
147	63	EH		-0.3081	-0.0254	-0.0042

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
147	166	EH		0.0594	0.0572	0.0233
147	167	EH		0.0925	0.0395	0.0318
147	64	EH		-0.2745	-0.0428	0.0042
148	64	DEAD		0.0978	0.24	0.0697
148	167	DEAD		0.0396	0.0801	0.0111
148	168	DEAD		-0.0103	0.2092	-0.1293
148	1	DEAD		0.0428	0.3733	-0.0707
148	64	EH		-0.1998	-0.0549	2.464E-04
148	167	EH		0.0046	-0.0147	0.0354
148	168	EH		0.0139	-0.1996	0.0351
148	1	EH		-0.1887	-0.2399	-7.386E-05
149	157	DEAD		6.732E-05	-0.0048	-0.0044
149	169	DEAD		3.321E-04	0.0051	-0.0046
149	170	DEAD		1.092E-04	0.0052	0.0046
149	158	DEAD		-5.101E-05	-0.0047	0.0047
149	157	EH		9.237E-04	-0.005	-0.0057
149	169	EH		0.0195	-0.0056	0.002
149	170	EH		0.0322	0.0064	-0.002
149	158	EH		0.0136	0.007	-0.0097
150	158	DEAD		3.881E-04	0.0055	0.0047
150	170	DEAD		-2.306E-04	-0.0045	0.0046
150	171	DEAD		-1.659E-04	-0.0046	-0.0047
150	159	DEAD		1.360E-04	0.0056	-0.0046
150	158	EH		0.0047	-0.0111	-0.0116
150	170	EH		0.0352	-0.0048	-1.154E-04
150	171	EH		0.0549	0.0168	1.221E-04
150	159	EH		0.0244	0.0104	-0.0114
151	159	DEAD		-1.826E-04	-0.0044	-0.0046
151	171	DEAD		2.665E-04	0.0059	-0.0048
151	172	DEAD		-3.236E-04	0.0058	0.0049
151	160	DEAD		-2.309E-04	-0.0048	0.0051
151	159	EH		0.0122	-0.0082	-0.0122
151	171	EH		0.0599	-8.051E-04	9.937E-04
151	172	EH		0.0824	0.0228	-0.001
151	160	EH		0.0345	0.0154	-0.0142
152	160	DEAD		5.137E-04	0.0062	0.0053
152	172	DEAD		-8.971E-04	-0.0044	0.0049
152	173	DEAD		-0.0012	-0.0059	-0.005
152	161	DEAD		-5.886E-04	0.0053	-0.0047
152	160	EH		0.0211	-0.0081	-0.0146
152	172	EH		0.0879	0.0068	-7.120E-04
152	173	EH		0.1114	0.0311	7.281E-04
152	161	EH		0.0446	0.0162	-0.0132
153	161	DEAD		-9.092E-04	-0.0054	-0.0049
153	173	DEAD		-8.027E-04	0.0053	-0.0051
153	174	DEAD		-0.0022	0.0024	0.0052
153	162	DEAD		-0.0013	-0.0089	0.0054
153	161	EH		0.0308	-0.0045	-0.0134
153	173	EH		0.117	0.0107	9.642E-04
153	174	EH		0.1416	0.0365	-9.956E-04
153	162	EH		0.0551	0.0215	-0.0154
154	162	DEAD		-0.0013	0.0023	0.0049
154	174	DEAD		-0.0025	-0.0106	0.0061
154	175	DEAD		-0.0014	-0.0163	-0.0063

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
154	163	DEAD		-0.0014	-0.0025	-0.0074
154	162	EH		0.0411	-0.0034	-0.0154
154	174	EH		0.1474	0.0201	-0.0011
154	175	EH		0.1726	0.0502	0.0011
154	163	EH		0.0663	0.0265	-0.0132
155	163	DEAD		-0.0045	-0.0189	-0.0091
155	175	DEAD		6.660E-05	-0.0077	-0.005
155	176	DEAD		0.0042	-0.0102	0.0053
155	164	DEAD		0.0011	-0.0225	0.0012
155	163	EH		0.0536	0.0073	-0.0122
155	175	EH		0.1778	0.032	1.180E-04
155	176	EH		0.2016	0.0673	-1.554E-04
155	164	EH		0.077	0.0429	-0.0125
156	164	DEAD		-0.0026	-0.0173	0.0012
156	176	DEAD		0.0054	-0.0275	0.0057
156	177	DEAD		0.0147	-0.0161	-0.006
156	165	DEAD		0.005	-0.0046	-0.0105
156	164	EH		0.068	0.0256	-0.0097
156	176	EH		0.2055	0.0597	-0.0031
156	177	EH		0.2211	0.0948	0.0032
156	165	EH		0.0839	0.0604	-0.0033
157	165	DEAD		0.0019	-0.0249	-0.0078
157	177	DEAD		0.0164	-0.0027	-0.0093
157	178	DEAD		0.0221	0.0414	0.0096
157	166	DEAD		0.0096	0.0176	0.0111
157	165	EH		0.0844	0.0617	0.0035
157	177	EH		0.2212	0.0968	-0.0036
157	178	EH		0.2134	0.1039	0.0035
157	166	EH		0.0763	0.069	0.0106
158	166	DEAD		0.0155	0.0338	0.0281
158	178	DEAD		0.0212	0.0499	-0.0067
158	179	DEAD		-0.0094	0.1235	0.0063
158	167	DEAD		-0.0174	0.109	0.0411
158	166	EH		0.0926	0.0923	0.0207
158	178	EH		0.2069	0.1296	-0.0068
158	179	EH		0.1512	0.0376	0.0069
158	167	EH		0.0376	-3.147E-05	0.0344
159	167	DEAD		-0.0163	0.1142	-0.0059
159	179	DEAD		-0.0348	-0.0031	0.0529
159	180	DEAD		0.0572	0.0639	-0.0529
159	168	DEAD		0.0759	0.1812	-0.1116
159	167	EH		0.0807	0.0643	0.0383
159	179	EH		0.1269	0.0671	0.003
159	180	EH		0.0122	-0.2706	-0.0032
159	168	EH		-0.034	-0.273	0.0321
160	169	DEAD		3.321E-04	0.0051	0.0046
160	181	DEAD		6.732E-05	-0.0048	0.0044
160	182	DEAD		-5.101E-05	-0.0047	-0.0047
160	170	DEAD		1.092E-04	0.0052	-0.0046
160	169	EH		0.0195	-0.0056	-0.002
160	181	EH		9.237E-04	-0.005	0.0057
160	182	EH		0.0136	0.007	0.0097
160	170	EH		0.0322	0.0064	0.002
161	170	DEAD		-2.306E-04	-0.0045	-0.0046

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
161	182	DEAD		3.881E-04	0.0055	-0.0047
161	183	DEAD		1.360E-04	0.0056	0.0046
161	171	DEAD		-1.659E-04	-0.0046	0.0047
161	170	EH		0.0352	-0.0048	1.154E-04
161	182	EH		0.0047	-0.0111	0.0116
161	183	EH		0.0244	0.0104	0.0114
161	171	EH		0.0549	0.0168	-1.221E-04
162	171	DEAD		2.665E-04	0.0059	0.0048
162	183	DEAD		-1.826E-04	-0.0044	0.0046
162	184	DEAD		-2.309E-04	-0.0048	-0.0051
162	172	DEAD		-3.236E-04	0.0058	-0.0049
162	171	EH		0.0599	-8.051E-04	-9.937E-04
162	183	EH		0.0122	-0.0082	0.0122
162	184	EH		0.0345	0.0154	0.0142
162	172	EH		0.0824	0.0228	0.001
163	172	DEAD		-8.971E-04	-0.0044	-0.0049
163	184	DEAD		5.137E-04	0.0062	-0.0053
163	185	DEAD		-5.886E-04	0.0053	0.0047
163	173	DEAD		-0.0012	-0.0059	0.005
163	172	EH		0.0879	0.0068	7.120E-04
163	184	EH		0.0211	-0.0081	0.0146
163	185	EH		0.0446	0.0162	0.0132
163	173	EH		0.1114	0.0311	-7.281E-04
164	173	DEAD		-8.027E-04	0.0053	0.0051
164	185	DEAD		-9.092E-04	-0.0054	0.0049
164	186	DEAD		-0.0013	-0.0089	-0.0054
164	174	DEAD		-0.0022	0.0024	-0.0052
164	173	EH		0.117	0.0107	-9.642E-04
164	185	EH		0.0308	-0.0045	0.0134
164	186	EH		0.0551	0.0215	0.0154
164	174	EH		0.1416	0.0365	9.956E-04
165	174	DEAD		-0.0025	-0.0106	-0.0061
165	186	DEAD		-0.0013	0.0023	-0.0049
165	187	DEAD		-0.0014	-0.0025	0.0074
165	175	DEAD		-0.0014	-0.0163	0.0063
165	174	EH		0.1474	0.0201	0.0011
165	186	EH		0.0411	-0.0034	0.0154
165	187	EH		0.0663	0.0265	0.0132
165	175	EH		0.1726	0.0502	-0.0011
166	175	DEAD		6.660E-05	-0.0077	0.005
166	187	DEAD		-0.0045	-0.0189	0.0091
166	188	DEAD		0.0011	-0.0225	-0.0012
166	176	DEAD		0.0042	-0.0102	-0.0053
166	175	EH		0.1778	0.032	-1.180E-04
166	187	EH		0.0536	0.0073	0.0122
166	188	EH		0.077	0.0429	0.0125
166	176	EH		0.2016	0.0673	1.554E-04
167	176	DEAD		0.0054	-0.0275	-0.0057
167	188	DEAD		-0.0026	-0.0173	-0.0012
167	189	DEAD		0.005	-0.0046	0.0105
167	177	DEAD		0.0147	-0.0161	0.006
167	176	EH		0.2055	0.0597	0.0031
167	188	EH		0.068	0.0256	0.0097
167	189	EH		0.0839	0.0604	0.0033

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
167	177	EH		0.2211	0.0948	-0.0032
168	177	DEAD		0.0164	-0.0027	0.0093
168	189	DEAD		0.0019	-0.0249	0.0078
168	190	DEAD		0.0096	0.0176	-0.0111
168	178	DEAD		0.0221	0.0414	-0.0096
168	177	EH		0.2212	0.0968	0.0036
168	189	EH		0.0844	0.0617	-0.0035
168	190	EH		0.0763	0.069	-0.0106
168	178	EH		0.2134	0.1039	-0.0035
169	178	DEAD		0.0212	0.0499	0.0067
169	190	DEAD		0.0155	0.0338	-0.0281
169	191	DEAD		-0.0174	0.109	-0.0411
169	179	DEAD		-0.0094	0.1235	-0.0063
169	178	EH		0.2069	0.1296	0.0068
169	190	EH		0.0926	0.0923	-0.0207
169	191	EH		0.0376	-3.147E-05	-0.0344
169	179	EH		0.1512	0.0376	-0.0069
170	179	DEAD		-0.0348	-0.0031	-0.0529
170	191	DEAD		-0.0163	0.1142	0.0059
170	192	DEAD		0.0759	0.1812	0.1116
170	180	DEAD		0.0572	0.0639	0.0529
170	179	EH		0.1269	0.0671	-0.003
170	191	EH		0.0807	0.0643	-0.0383
170	192	EH		-0.034	-0.273	-0.0321
170	180	EH		0.0122	-0.2706	0.0032
171	181	DEAD		-2.302E-04	-0.005	-0.0046
171	8	DEAD		-1.594E-04	0.0047	-0.0045
171	111	DEAD		6.306E-05	0.0052	0.0045
171	182	DEAD		8.678E-05	-0.0046	0.0044
171	181	EH		0.0111	0.0057	0.0072
171	8	EH		-0.0328	-0.0021	-4.516E-04
171	111	EH		-0.0454	-0.0125	4.670E-04
171	182	EH		-0.0012	-0.0047	0.0081
172	182	DEAD		3.163E-04	0.0054	0.0044
172	111	DEAD		-5.089E-05	-0.0043	0.0045
172	112	DEAD		2.279E-04	-0.0043	-0.0046
172	183	DEAD		2.711E-04	0.0056	-0.0046
172	182	EH		0.0224	0.0057	0.0101
172	111	EH		-0.0662	-0.009	-0.0014
172	112	EH		-0.0843	-0.0214	0.0015
172	183	EH		0.0048	-0.0068	0.0129
173	183	DEAD		-4.184E-04	-0.0046	-0.0048
173	112	DEAD		7.916E-04	0.0053	-0.0046
173	113	DEAD		8.319E-04	0.0057	0.0047
173	184	DEAD		1.519E-04	-0.0046	0.0045
173	183	EH		0.0334	0.0102	0.0139
173	112	EH		-0.1092	-0.0196	6.309E-04
173	113	EH		-0.1297	-0.0329	-6.200E-04
173	184	EH		0.0132	-0.003	0.0126
174	184	DEAD		1.008E-04	0.0058	0.0045
174	113	DEAD		9.620E-04	-0.0042	0.0048
174	114	DEAD		0.0018	-0.0048	-0.005
174	185	DEAD		1.295E-04	0.0058	-0.0053
174	184	EH		0.0435	0.0113	0.013

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
174	113	EH		-0.1558	-0.0266	-9.148E-04
174	114	EH		-0.1777	-0.0409	9.627E-04
174	185	EH		0.0222	-0.0032	0.0149
175	185	DEAD		-0.0012	-0.0057	-0.0054
175	114	DEAD		0.0029	0.006	-0.0052
175	115	DEAD		0.0022	0.0039	0.0054
175	186	DEAD		-9.731E-04	-0.0086	0.0052
175	185	EH		0.0539	0.0155	0.0152
175	114	EH		-0.205	-0.038	8.310E-04
175	115	EH		-0.2272	-0.0521	-8.302E-04
175	186	EH		0.0319	0.0015	0.0136
176	186	DEAD		-6.841E-06	0.0033	0.006
176	115	DEAD		0.0015	-0.0065	0.0049
176	116	DEAD		-9.250E-04	-0.0144	-0.0051
176	187	DEAD		-0.0036	-0.0037	-0.0039
176	186	EH		0.0641	0.0167	0.0136
176	115	EH		-0.255	-0.0456	-7.148E-04
176	116	EH		-0.2766	-0.0557	7.760E-04
176	187	EH		0.0432	0.0064	0.0151
177	187	DEAD		4.249E-04	-0.0142	-0.0027
177	116	DEAD		-0.0044	-0.0011	-0.0068
177	117	DEAD		-0.0133	-0.0136	0.007
177	188	DEAD		-0.0068	-0.0279	0.0111
177	187	EH		0.0741	0.0253	0.0143
177	116	EH		-0.3034	-0.0542	0.002
177	117	EH		-0.32	-0.0545	-0.002
177	188	EH		0.0576	0.0251	0.0103
178	188	DEAD		0.0057	-0.0079	0.0116
178	117	DEAD		-0.0249	-0.0287	0.0071
178	118	DEAD		-0.0314	-0.0359	-0.0073
178	189	DEAD		-0.0024	-0.0138	-0.0028
178	188	EH		0.0807	0.0361	0.0075
178	117	EH		-0.34	-0.0502	0.001
178	118	EH		-0.3461	-0.0354	-9.763E-04
178	189	EH		0.0752	0.0507	0.0055
179	189	DEAD		0.0077	-0.0214	-0.0061
179	118	DEAD		-0.0401	-0.0216	-0.0046
179	119	DEAD		-0.0314	0.0183	0.005
179	190	DEAD		0.0186	0.017	0.0035
179	189	EH		0.0799	0.0569	-0.001
179	118	EH		-0.3508	-0.0419	0.006
179	119	EH		-0.3373	-0.0229	-0.0061
179	190	EH		0.0929	0.0762	-0.0132
180	190	DEAD		0.008	0.0267	-0.0128
180	119	DEAD		-0.028	-0.0271	0.022
180	120	DEAD		0.0411	0.0774	-0.0224
180	191	DEAD		0.0743	0.1329	-0.0572
180	190	EH		0.0594	0.0572	-0.0233
180	119	EH		-0.3081	-0.0254	0.0042
180	120	EH		-0.2745	-0.0428	-0.0042
180	191	EH		0.0925	0.0395	-0.0318
181	191	DEAD		0.0396	0.0801	-0.0111
181	120	DEAD		0.0978	0.24	-0.0697
181	2	DEAD		0.0428	0.3733	0.0707

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
181	192	DEAD		-0.0103	0.2092	0.1293
181	191	EH		0.0046	-0.0147	-0.0354
181	120	EH		-0.1998	-0.0549	-2.464E-04
181	2	EH		-0.1887	-0.2399	7.386E-05
181	192	EH		0.0139	-0.1996	-0.0351
182	1	DEAD		0.461	0.461	-0.079
182	168	DEAD		-0.2339	0.2695	-0.1213
182	193	DEAD		-0.4204	-0.4204	-0.1636
182	54	DEAD		0.2695	-0.2339	-0.1213
182	1	EH		-0.2513	-0.2513	0.0251
182	168	EH		0.0414	-0.2111	0.0099
182	193	EH		0.0814	0.0814	-0.0053
182	54	EH		-0.2111	0.0414	0.0099
183	54	DEAD		-0.0734	-0.369	-0.1535
183	193	DEAD		-0.0594	-0.1947	-0.1315
183	194	DEAD		-0.0352	-0.2056	0.011
183	42	DEAD		-0.0489	-0.3789	-0.011
183	54	EH		-0.2273	0.0387	0.0155
183	193	EH		0.1012	0.1017	-0.0111
183	194	EH		0.0767	0.1373	-0.0132
183	42	EH		-0.2524	0.0741	0.0134
184	42	DEAD		-0.0489	-0.3789	0.011
184	194	DEAD		-0.0352	-0.2056	-0.011
184	195	DEAD		-0.0594	-0.1947	0.1315
184	30	DEAD		-0.0734	-0.369	0.1535
184	42	EH		-0.2524	0.0741	-0.0134
184	194	EH		0.0767	0.1373	0.0132
184	195	EH		0.1012	0.1017	0.0111
184	30	EH		-0.2273	0.0387	-0.0155
185	30	DEAD		0.2695	-0.2339	0.1213
185	195	DEAD		-0.4204	-0.4204	0.1636
185	132	DEAD		-0.2339	0.2695	0.1213
185	4	DEAD		0.461	0.461	0.079
185	30	EH		-0.2111	0.0414	-0.0099
185	195	EH		0.0814	0.0814	0.0053
185	132	EH		0.0414	-0.2111	-0.0099
185	4	EH		-0.2513	-0.2513	-0.0251
186	168	DEAD		-0.369	-0.0734	-0.1535
186	180	DEAD		-0.3789	-0.0489	-0.011
186	196	DEAD		-0.2056	-0.0352	0.011
186	193	DEAD		-0.1947	-0.0594	-0.1315
186	168	EH		0.0387	-0.2273	0.0155
186	180	EH		0.0741	-0.2524	0.0134
186	196	EH		0.1373	0.0767	-0.0132
186	193	EH		0.1017	0.1012	-0.0111
187	193	DEAD		-0.1921	-0.1921	-0.0902
187	196	DEAD		-0.2542	-0.1325	-0.0301
187	197	DEAD		-0.1942	-0.1942	0.0301
187	194	DEAD		-0.1325	-0.2542	-0.0301
187	193	EH		0.0668	0.0668	-0.0182
187	196	EH		0.1704	0.1021	-0.0061
187	197	EH		0.2057	0.2057	0.0061
187	194	EH		0.1021	0.1704	-0.0061
188	194	DEAD		-0.1325	-0.2542	0.0301

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
188	197	DEAD		-0.1942	-0.1942	-0.0301
188	198	DEAD		-0.2542	-0.1325	0.0301
188	195	DEAD		-0.1921	-0.1921	0.0902
188	194	EH		0.1021	0.1704	0.0061
188	197	EH		0.2057	0.2057	-0.0061
188	198	EH		0.1704	0.1021	0.0061
188	195	EH		0.0668	0.0668	0.0182
189	195	DEAD		-0.1947	-0.0594	0.1315
189	198	DEAD		-0.2056	-0.0352	-0.011
189	144	DEAD		-0.3789	-0.0489	0.011
189	132	DEAD		-0.369	-0.0734	0.1535
189	195	EH		0.1017	0.1012	0.0111
189	198	EH		0.1373	0.0767	0.0132
189	144	EH		0.0741	-0.2524	-0.0134
189	132	EH		0.0387	-0.2273	-0.0155
190	180	DEAD		-0.3789	-0.0489	0.011
190	192	DEAD		-0.369	-0.0734	0.1535
190	199	DEAD		-0.1947	-0.0594	0.1315
190	196	DEAD		-0.2056	-0.0352	-0.011
190	180	EH		0.0741	-0.2524	-0.0134
190	192	EH		0.0387	-0.2273	-0.0155
190	199	EH		0.1017	0.1012	0.0111
190	196	EH		0.1373	0.0767	0.0132
191	196	DEAD		-0.2542	-0.1325	0.0301
191	199	DEAD		-0.1921	-0.1921	0.0902
191	200	DEAD		-0.1325	-0.2542	0.0301
191	197	DEAD		-0.1942	-0.1942	-0.0301
191	196	EH		0.1704	0.1021	0.0061
191	199	EH		0.0668	0.0668	0.0182
191	200	EH		0.1021	0.1704	0.0061
191	197	EH		0.2057	0.2057	-0.0061
192	197	DEAD		-0.1942	-0.1942	0.0301
192	200	DEAD		-0.1325	-0.2542	-0.0301
192	201	DEAD		-0.1921	-0.1921	-0.0902
192	198	DEAD		-0.2542	-0.1325	-0.0301
192	197	EH		0.2057	0.2057	0.0061
192	200	EH		0.1021	0.1704	-0.0061
192	201	EH		0.0668	0.0668	-0.0182
192	198	EH		0.1704	0.1021	-0.0061
193	198	DEAD		-0.2056	-0.0352	0.011
193	201	DEAD		-0.1947	-0.0594	-0.1315
193	156	DEAD		-0.369	-0.0734	-0.1535
193	144	DEAD		-0.3789	-0.0489	-0.011
193	198	EH		0.1373	0.0767	-0.0132
193	201	EH		0.1017	0.1012	-0.0111
193	156	EH		0.0387	-0.2273	0.0155
193	144	EH		0.0741	-0.2524	0.0134
194	192	DEAD		-0.2339	0.2695	0.1213
194	2	DEAD		0.461	0.461	0.079
194	110	DEAD		0.2695	-0.2339	0.1213
194	199	DEAD		-0.4204	-0.4204	0.1636
194	192	EH		0.0414	-0.2111	-0.0099
194	2	EH		-0.2513	-0.2513	-0.0251
194	110	EH		-0.2111	0.0414	-0.0099

Table 18: Element Forces - Area Shells, Part 2 of 3

Area	Joint	OutputCase	StepType	M11	M22	M12
				KN-m/m	KN-m/m	KN-m/m
194	199	EH		0.0814	0.0814	0.0053
195	199	DEAD		-0.0594	-0.1947	0.1315
195	110	DEAD		-0.0734	-0.369	0.1535
195	98	DEAD		-0.0489	-0.3789	0.011
195	200	DEAD		-0.0352	-0.2056	-0.011
195	199	EH		0.1012	0.1017	0.0111
195	110	EH		-0.2273	0.0387	-0.0155
195	98	EH		-0.2524	0.0741	-0.0134
195	200	EH		0.0767	0.1373	0.0132
196	200	DEAD		-0.0352	-0.2056	0.011
196	98	DEAD		-0.0489	-0.3789	-0.011
196	86	DEAD		-0.0734	-0.369	-0.1535
196	201	DEAD		-0.0594	-0.1947	-0.1315
196	200	EH		0.0767	0.1373	-0.0132
196	98	EH		-0.2524	0.0741	0.0134
196	86	EH		-0.2273	0.0387	0.0155
196	201	EH		0.1012	0.1017	-0.0111
197	201	DEAD		-0.4204	-0.4204	-0.1636
197	86	DEAD		0.2695	-0.2339	-0.1213
197	3	DEAD		0.461	0.461	-0.079
197	156	DEAD		-0.2339	0.2695	-0.1213
197	201	EH		0.0814	0.0814	-0.0053
197	86	EH		-0.2111	0.0414	0.0099
197	3	EH		-0.2513	-0.2513	0.0251
197	156	EH		0.0414	-0.2111	0.0099

Table 18: Element Forces - Area Shells, Part 3 of 3

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13	V23
				KN/m	KN/m
6	5	DEAD		-1.344E-04	2.260E-03
6	9	DEAD		-1.344E-04	2.260E-03
6	10	DEAD		-1.344E-04	2.260E-03
6	11	DEAD		-1.344E-04	2.260E-03
6	5	EH		0.25	-5.311E-02
6	9	EH		0.25	-5.311E-02
6	10	EH		0.25	-5.311E-02
6	11	EH		0.25	-5.311E-02
7	11	DEAD		1.171E-03	4.058E-04
7	10	DEAD		1.171E-03	4.058E-04
7	12	DEAD		1.171E-03	4.058E-04
7	13	DEAD		1.171E-03	4.058E-04
7	11	EH		0.51	-6.354E-02
7	10	EH		0.51	-6.354E-02
7	12	EH		0.51	-6.354E-02
7	13	EH		0.51	-6.354E-02
8	13	DEAD		-5.394E-03	1.119E-03
8	12	DEAD		-5.394E-03	1.119E-03
8	14	DEAD		-5.394E-03	1.119E-03
8	15	DEAD		-5.394E-03	1.119E-03
8	13	EH		0.82	-6.806E-02
8	12	EH		0.82	-6.806E-02

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13 KN/m	V23 KN/m
8	14	EH		0.82	-6.806E-02
8	15	EH		0.82	-6.806E-02
9	15	DEAD		-7.138E-03	-1.379E-03
9	14	DEAD		-7.138E-03	-1.379E-03
9	16	DEAD		-7.138E-03	-1.379E-03
9	17	DEAD		-7.138E-03	-1.379E-03
9	15	EH		1.14	-7.367E-02
9	14	EH		1.14	-7.367E-02
9	16	EH		1.14	-7.367E-02
9	17	EH		1.14	-7.367E-02
10	17	DEAD		-2.070E-02	-1.255E-02
10	16	DEAD		-2.070E-02	-1.255E-02
10	18	DEAD		-2.070E-02	-1.255E-02
10	19	DEAD		-2.070E-02	-1.255E-02
10	17	EH		1.48	-7.189E-02
10	16	EH		1.48	-7.189E-02
10	18	EH		1.48	-7.189E-02
10	19	EH		1.48	-7.189E-02
11	19	DEAD		-1.194E-02	-3.806E-02
11	18	DEAD		-1.194E-02	-3.806E-02
11	20	DEAD		-1.194E-02	-3.806E-02
11	21	DEAD		-1.194E-02	-3.806E-02
11	19	EH		1.82	-5.228E-02
11	18	EH		1.82	-5.228E-02
11	20	EH		1.82	-5.228E-02
11	21	EH		1.82	-5.228E-02
12	21	DEAD		3.225E-02	-6.711E-02
12	20	DEAD		3.225E-02	-6.711E-02
12	22	DEAD		3.225E-02	-6.711E-02
12	23	DEAD		3.225E-02	-6.711E-02
12	21	EH		2.16	-1.361E-03
12	20	EH		2.16	-1.361E-03
12	22	EH		2.16	-1.361E-03
12	23	EH		2.16	-1.361E-03
13	23	DEAD		0.17	-3.356E-02
13	22	DEAD		0.17	-3.356E-02
13	24	DEAD		0.17	-3.356E-02
13	25	DEAD		0.17	-3.356E-02
13	23	EH		2.4	7.540E-02
13	22	EH		2.4	7.540E-02
13	24	EH		2.4	7.540E-02
13	25	EH		2.4	7.540E-02
14	25	DEAD		0.28	0.2
14	24	DEAD		0.28	0.2
14	26	DEAD		0.28	0.2
14	27	DEAD		0.28	0.2
14	25	EH		2.46	9.818E-02
14	24	EH		2.46	9.818E-02
14	26	EH		2.46	9.818E-02
14	27	EH		2.46	9.818E-02
15	27	DEAD		0.2	0.54
15	26	DEAD		0.2	0.54
15	28	DEAD		0.2	0.54
15	29	DEAD		0.2	0.54

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13	V23
				KN/m	KN/m
15	27	EH		2.1	-8.990E-02
15	26	EH		2.1	-8.990E-02
15	28	EH		2.1	-8.990E-02
15	29	EH		2.1	-8.990E-02
16	29	DEAD		-0.32	0.67
16	28	DEAD		-0.32	0.67
16	30	DEAD		-0.32	0.67
16	4	DEAD		-0.32	0.67
16	29	EH		1.16	-0.95
16	28	EH		1.16	-0.95
16	30	EH		1.16	-0.95
16	4	EH		1.16	-0.95
17	9	DEAD		1.213E-03	2.730E-04
17	31	DEAD		1.213E-03	2.730E-04
17	32	DEAD		1.213E-03	2.730E-04
17	10	DEAD		1.213E-03	2.730E-04
17	9	EH		0.11	6.109E-02
17	31	EH		0.11	6.109E-02
17	32	EH		0.11	6.109E-02
17	10	EH		0.11	6.109E-02
18	10	DEAD		-2.628E-03	1.833E-04
18	32	DEAD		-2.628E-03	1.833E-04
18	33	DEAD		-2.628E-03	1.833E-04
18	12	DEAD		-2.628E-03	1.833E-04
18	10	EH		0.17	0.11
18	32	EH		0.17	0.11
18	33	EH		0.17	0.11
18	12	EH		0.17	0.11
19	12	DEAD		1.017E-03	-1.473E-03
19	33	DEAD		1.017E-03	-1.473E-03
19	34	DEAD		1.017E-03	-1.473E-03
19	14	DEAD		1.017E-03	-1.473E-03
19	12	EH		0.27	0.12
19	33	EH		0.27	0.12
19	34	EH		0.27	0.12
19	14	EH		0.27	0.12
20	14	DEAD		-5.875E-03	-6.363E-03
20	34	DEAD		-5.875E-03	-6.363E-03
20	35	DEAD		-5.875E-03	-6.363E-03
20	16	DEAD		-5.875E-03	-6.363E-03
20	14	EH		0.38	0.12
20	34	EH		0.38	0.12
20	35	EH		0.38	0.12
20	16	EH		0.38	0.12
21	16	DEAD		-2.248E-03	-1.637E-02
21	35	DEAD		-2.248E-03	-1.637E-02
21	36	DEAD		-2.248E-03	-1.637E-02
21	18	DEAD		-2.248E-03	-1.637E-02
21	16	EH		0.49	0.13
21	35	EH		0.49	0.13
21	36	EH		0.49	0.13
21	18	EH		0.49	0.13
22	18	DEAD		-3.594E-03	-2.685E-02
22	36	DEAD		-3.594E-03	-2.685E-02

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13 KN/m	V23 KN/m
22	37	DEAD		-3.594E-03	-2.685E-02
22	20	DEAD		-3.594E-03	-2.685E-02
22	18	EH		0.61	0.15
22	36	EH		0.61	0.15
22	37	EH		0.61	0.15
22	20	EH		0.61	0.15
23	20	DEAD		2.161E-02	-1.553E-02
23	37	DEAD		2.161E-02	-1.553E-02
23	38	DEAD		2.161E-02	-1.553E-02
23	22	DEAD		2.161E-02	-1.553E-02
23	20	EH		0.71	0.18
23	37	EH		0.71	0.18
23	38	EH		0.71	0.18
23	22	EH		0.71	0.18
24	22	DEAD		5.064E-02	6.134E-02
24	38	DEAD		5.064E-02	6.134E-02
24	39	DEAD		5.064E-02	6.134E-02
24	24	DEAD		5.064E-02	6.134E-02
24	22	EH		0.78	0.18
24	38	EH		0.78	0.18
24	39	EH		0.78	0.18
24	24	EH		0.78	0.18
25	24	DEAD		7.714E-02	0.22
25	39	DEAD		7.714E-02	0.22
25	40	DEAD		7.714E-02	0.22
25	26	DEAD		7.714E-02	0.22
25	24	EH		0.78	3.667E-02
25	39	EH		0.78	3.667E-02
25	40	EH		0.78	3.667E-02
25	26	EH		0.78	3.667E-02
26	26	DEAD		3.904E-02	0.38
26	40	DEAD		3.904E-02	0.38
26	41	DEAD		3.904E-02	0.38
26	28	DEAD		3.904E-02	0.38
26	26	EH		0.65	-0.47
26	40	EH		0.65	-0.47
26	41	EH		0.65	-0.47
26	28	EH		0.65	-0.47
27	28	DEAD		-0.11	0.34
27	41	DEAD		-0.11	0.34
27	42	DEAD		-0.11	0.34
27	30	DEAD		-0.11	0.34
27	28	EH		0.26	-1.73
27	41	EH		0.26	-1.73
27	42	EH		0.26	-1.73
27	30	EH		0.26	-1.73
28	31	DEAD		-1.213E-03	2.730E-04
28	43	DEAD		-1.213E-03	2.730E-04
28	44	DEAD		-1.213E-03	2.730E-04
28	32	DEAD		-1.213E-03	2.730E-04
28	31	EH		-0.11	6.109E-02
28	43	EH		-0.11	6.109E-02
28	44	EH		-0.11	6.109E-02
28	32	EH		-0.11	6.109E-02

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13 KN/m	V23 KN/m
29	32	DEAD		2.628E-03	1.833E-04
29	44	DEAD		2.628E-03	1.833E-04
29	45	DEAD		2.628E-03	1.833E-04
29	33	DEAD		2.628E-03	1.833E-04
29	32	EH		-0.17	0.11
29	44	EH		-0.17	0.11
29	45	EH		-0.17	0.11
29	33	EH		-0.17	0.11
30	33	DEAD		-1.017E-03	-1.473E-03
30	45	DEAD		-1.017E-03	-1.473E-03
30	46	DEAD		-1.017E-03	-1.473E-03
30	34	DEAD		-1.017E-03	-1.473E-03
30	33	EH		-0.27	0.12
30	45	EH		-0.27	0.12
30	46	EH		-0.27	0.12
30	34	EH		-0.27	0.12
31	34	DEAD		5.875E-03	-6.363E-03
31	46	DEAD		5.875E-03	-6.363E-03
31	47	DEAD		5.875E-03	-6.363E-03
31	35	DEAD		5.875E-03	-6.363E-03
31	34	EH		-0.38	0.12
31	46	EH		-0.38	0.12
31	47	EH		-0.38	0.12
31	35	EH		-0.38	0.12
32	35	DEAD		2.248E-03	-1.637E-02
32	47	DEAD		2.248E-03	-1.637E-02
32	48	DEAD		2.248E-03	-1.637E-02
32	36	DEAD		2.248E-03	-1.637E-02
32	35	EH		-0.49	0.13
32	47	EH		-0.49	0.13
32	48	EH		-0.49	0.13
32	36	EH		-0.49	0.13
33	36	DEAD		3.594E-03	-2.685E-02
33	48	DEAD		3.594E-03	-2.685E-02
33	49	DEAD		3.594E-03	-2.685E-02
33	37	DEAD		3.594E-03	-2.685E-02
33	36	EH		-0.61	0.15
33	48	EH		-0.61	0.15
33	49	EH		-0.61	0.15
33	37	EH		-0.61	0.15
34	37	DEAD		-2.161E-02	-1.553E-02
34	49	DEAD		-2.161E-02	-1.553E-02
34	50	DEAD		-2.161E-02	-1.553E-02
34	38	DEAD		-2.161E-02	-1.553E-02
34	37	EH		-0.71	0.18
34	49	EH		-0.71	0.18
34	50	EH		-0.71	0.18
34	38	EH		-0.71	0.18
35	38	DEAD		-5.064E-02	6.134E-02
35	50	DEAD		-5.064E-02	6.134E-02
35	51	DEAD		-5.064E-02	6.134E-02
35	39	DEAD		-5.064E-02	6.134E-02
35	38	EH		-0.78	0.18
35	50	EH		-0.78	0.18

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13 KN/m	V23 KN/m
35	51	EH		-0.78	0.18
35	39	EH		-0.78	0.18
36	39	DEAD		-7.714E-02	0.22
36	51	DEAD		-7.714E-02	0.22
36	52	DEAD		-7.714E-02	0.22
36	40	DEAD		-7.714E-02	0.22
36	39	EH		-0.78	3.667E-02
36	51	EH		-0.78	3.667E-02
36	52	EH		-0.78	3.667E-02
36	40	EH		-0.78	3.667E-02
37	40	DEAD		-3.904E-02	0.38
37	52	DEAD		-3.904E-02	0.38
37	53	DEAD		-3.904E-02	0.38
37	41	DEAD		-3.904E-02	0.38
37	40	EH		-0.65	-0.47
37	52	EH		-0.65	-0.47
37	53	EH		-0.65	-0.47
37	41	EH		-0.65	-0.47
38	41	DEAD		0.11	0.34
38	53	DEAD		0.11	0.34
38	54	DEAD		0.11	0.34
38	42	DEAD		0.11	0.34
38	41	EH		-0.26	-1.73
38	53	EH		-0.26	-1.73
38	54	EH		-0.26	-1.73
38	42	EH		-0.26	-1.73
39	43	DEAD		1.344E-04	2.260E-03
39	6	DEAD		1.344E-04	2.260E-03
39	55	DEAD		1.344E-04	2.260E-03
39	44	DEAD		1.344E-04	2.260E-03
39	43	EH		-0.25	-5.311E-02
39	6	EH		-0.25	-5.311E-02
39	55	EH		-0.25	-5.311E-02
39	44	EH		-0.25	-5.311E-02
40	44	DEAD		-1.171E-03	4.058E-04
40	55	DEAD		-1.171E-03	4.058E-04
40	56	DEAD		-1.171E-03	4.058E-04
40	45	DEAD		-1.171E-03	4.058E-04
40	44	EH		-0.51	-6.354E-02
40	55	EH		-0.51	-6.354E-02
40	56	EH		-0.51	-6.354E-02
40	45	EH		-0.51	-6.354E-02
41	45	DEAD		5.394E-03	1.119E-03
41	56	DEAD		5.394E-03	1.119E-03
41	57	DEAD		5.394E-03	1.119E-03
41	46	DEAD		5.394E-03	1.119E-03
41	45	EH		-0.82	-6.806E-02
41	56	EH		-0.82	-6.806E-02
41	57	EH		-0.82	-6.806E-02
41	46	EH		-0.82	-6.806E-02
42	46	DEAD		7.138E-03	-1.379E-03
42	57	DEAD		7.138E-03	-1.379E-03
42	58	DEAD		7.138E-03	-1.379E-03
42	47	DEAD		7.138E-03	-1.379E-03

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13	V23
				KN/m	KN/m
42	46	EH		-1.14	-7.367E-02
42	57	EH		-1.14	-7.367E-02
42	58	EH		-1.14	-7.367E-02
42	47	EH		-1.14	-7.367E-02
43	47	DEAD		2.070E-02	-1.255E-02
43	58	DEAD		2.070E-02	-1.255E-02
43	59	DEAD		2.070E-02	-1.255E-02
43	48	DEAD		2.070E-02	-1.255E-02
43	47	EH		-1.48	-7.189E-02
43	58	EH		-1.48	-7.189E-02
43	59	EH		-1.48	-7.189E-02
43	48	EH		-1.48	-7.189E-02
44	48	DEAD		1.194E-02	-3.806E-02
44	59	DEAD		1.194E-02	-3.806E-02
44	60	DEAD		1.194E-02	-3.806E-02
44	49	DEAD		1.194E-02	-3.806E-02
44	48	EH		-1.82	-5.228E-02
44	59	EH		-1.82	-5.228E-02
44	60	EH		-1.82	-5.228E-02
44	49	EH		-1.82	-5.228E-02
45	49	DEAD		-3.225E-02	-6.711E-02
45	60	DEAD		-3.225E-02	-6.711E-02
45	61	DEAD		-3.225E-02	-6.711E-02
45	50	DEAD		-3.225E-02	-6.711E-02
45	49	EH		-2.16	-1.361E-03
45	60	EH		-2.16	-1.361E-03
45	61	EH		-2.16	-1.361E-03
45	50	EH		-2.16	-1.361E-03
46	50	DEAD		-0.17	-3.356E-02
46	61	DEAD		-0.17	-3.356E-02
46	62	DEAD		-0.17	-3.356E-02
46	51	DEAD		-0.17	-3.356E-02
46	50	EH		-2.4	7.540E-02
46	61	EH		-2.4	7.540E-02
46	62	EH		-2.4	7.540E-02
46	51	EH		-2.4	7.540E-02
47	51	DEAD		-0.28	0.2
47	62	DEAD		-0.28	0.2
47	63	DEAD		-0.28	0.2
47	52	DEAD		-0.28	0.2
47	51	EH		-2.46	9.818E-02
47	62	EH		-2.46	9.818E-02
47	63	EH		-2.46	9.818E-02
47	52	EH		-2.46	9.818E-02
48	52	DEAD		-0.2	0.54
48	63	DEAD		-0.2	0.54
48	64	DEAD		-0.2	0.54
48	53	DEAD		-0.2	0.54
48	52	EH		-2.1	-8.990E-02
48	63	EH		-2.1	-8.990E-02
48	64	EH		-2.1	-8.990E-02
48	53	EH		-2.1	-8.990E-02
49	53	DEAD		0.32	0.67
49	64	DEAD		0.32	0.67

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13 KN/m	V23 KN/m
49	1	DEAD		0.32	0.67
49	54	DEAD		0.32	0.67
49	53	EH		-1.16	-0.95
49	64	EH		-1.16	-0.95
49	1	EH		-1.16	-0.95
49	54	EH		-1.16	-0.95
50	7	DEAD		1.344E-04	2.260E-03
50	67	DEAD		1.344E-04	2.260E-03
50	66	DEAD		1.344E-04	2.260E-03
50	65	DEAD		1.344E-04	2.260E-03
50	7	EH		-0.25	-5.311E-02
50	67	EH		-0.25	-5.311E-02
50	66	EH		-0.25	-5.311E-02
50	65	EH		-0.25	-5.311E-02
51	67	DEAD		-1.171E-03	4.058E-04
51	69	DEAD		-1.171E-03	4.058E-04
51	68	DEAD		-1.171E-03	4.058E-04
51	66	DEAD		-1.171E-03	4.058E-04
51	67	EH		-0.51	-6.354E-02
51	69	EH		-0.51	-6.354E-02
51	68	EH		-0.51	-6.354E-02
51	66	EH		-0.51	-6.354E-02
52	69	DEAD		5.394E-03	1.119E-03
52	71	DEAD		5.394E-03	1.119E-03
52	70	DEAD		5.394E-03	1.119E-03
52	68	DEAD		5.394E-03	1.119E-03
52	69	EH		-0.82	-6.806E-02
52	71	EH		-0.82	-6.806E-02
52	70	EH		-0.82	-6.806E-02
52	68	EH		-0.82	-6.806E-02
53	71	DEAD		7.138E-03	-1.379E-03
53	73	DEAD		7.138E-03	-1.379E-03
53	72	DEAD		7.138E-03	-1.379E-03
53	70	DEAD		7.138E-03	-1.379E-03
53	71	EH		-1.14	-7.367E-02
53	73	EH		-1.14	-7.367E-02
53	72	EH		-1.14	-7.367E-02
53	70	EH		-1.14	-7.367E-02
54	73	DEAD		2.070E-02	-1.255E-02
54	75	DEAD		2.070E-02	-1.255E-02
54	74	DEAD		2.070E-02	-1.255E-02
54	72	DEAD		2.070E-02	-1.255E-02
54	73	EH		-1.48	-7.189E-02
54	75	EH		-1.48	-7.189E-02
54	74	EH		-1.48	-7.189E-02
54	72	EH		-1.48	-7.189E-02
55	75	DEAD		1.194E-02	-3.806E-02
55	77	DEAD		1.194E-02	-3.806E-02
55	76	DEAD		1.194E-02	-3.806E-02
55	74	DEAD		1.194E-02	-3.806E-02
55	75	EH		-1.82	-5.228E-02
55	77	EH		-1.82	-5.228E-02
55	76	EH		-1.82	-5.228E-02
55	74	EH		-1.82	-5.228E-02

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13 KN/m	V23 KN/m
56	77	DEAD		-3.225E-02	-6.711E-02
56	79	DEAD		-3.225E-02	-6.711E-02
56	78	DEAD		-3.225E-02	-6.711E-02
56	76	DEAD		-3.225E-02	-6.711E-02
56	77	EH		-2.16	-1.361E-03
56	79	EH		-2.16	-1.361E-03
56	78	EH		-2.16	-1.361E-03
56	76	EH		-2.16	-1.361E-03
57	79	DEAD		-0.17	-3.356E-02
57	81	DEAD		-0.17	-3.356E-02
57	80	DEAD		-0.17	-3.356E-02
57	78	DEAD		-0.17	-3.356E-02
57	79	EH		-2.4	7.540E-02
57	81	EH		-2.4	7.540E-02
57	80	EH		-2.4	7.540E-02
57	78	EH		-2.4	7.540E-02
58	81	DEAD		-0.28	0.2
58	83	DEAD		-0.28	0.2
58	82	DEAD		-0.28	0.2
58	80	DEAD		-0.28	0.2
58	81	EH		-2.46	9.818E-02
58	83	EH		-2.46	9.818E-02
58	82	EH		-2.46	9.818E-02
58	80	EH		-2.46	9.818E-02
59	83	DEAD		-0.2	0.54
59	85	DEAD		-0.2	0.54
59	84	DEAD		-0.2	0.54
59	82	DEAD		-0.2	0.54
59	83	EH		-2.1	-8.990E-02
59	85	EH		-2.1	-8.990E-02
59	84	EH		-2.1	-8.990E-02
59	82	EH		-2.1	-8.990E-02
60	85	DEAD		0.32	0.67
60	3	DEAD		0.32	0.67
60	86	DEAD		0.32	0.67
60	84	DEAD		0.32	0.67
60	85	EH		-1.16	-0.95
60	3	EH		-1.16	-0.95
60	86	EH		-1.16	-0.95
60	84	EH		-1.16	-0.95
61	65	DEAD		-1.213E-03	2.730E-04
61	66	DEAD		-1.213E-03	2.730E-04
61	88	DEAD		-1.213E-03	2.730E-04
61	87	DEAD		-1.213E-03	2.730E-04
61	65	EH		-0.11	6.109E-02
61	66	EH		-0.11	6.109E-02
61	88	EH		-0.11	6.109E-02
61	87	EH		-0.11	6.109E-02
62	66	DEAD		2.628E-03	1.833E-04
62	68	DEAD		2.628E-03	1.833E-04
62	89	DEAD		2.628E-03	1.833E-04
62	88	DEAD		2.628E-03	1.833E-04
62	66	EH		-0.17	0.11
62	68	EH		-0.17	0.11

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13	V23
				KN/m	KN/m
62	89	EH		-0.17	0.11
62	88	EH		-0.17	0.11
63	68	DEAD		-1.017E-03	-1.473E-03
63	70	DEAD		-1.017E-03	-1.473E-03
63	90	DEAD		-1.017E-03	-1.473E-03
63	89	DEAD		-1.017E-03	-1.473E-03
63	68	EH		-0.27	0.12
63	70	EH		-0.27	0.12
63	90	EH		-0.27	0.12
63	89	EH		-0.27	0.12
64	70	DEAD		5.875E-03	-6.363E-03
64	72	DEAD		5.875E-03	-6.363E-03
64	91	DEAD		5.875E-03	-6.363E-03
64	90	DEAD		5.875E-03	-6.363E-03
64	70	EH		-0.38	0.12
64	72	EH		-0.38	0.12
64	91	EH		-0.38	0.12
64	90	EH		-0.38	0.12
65	72	DEAD		2.248E-03	-1.637E-02
65	74	DEAD		2.248E-03	-1.637E-02
65	92	DEAD		2.248E-03	-1.637E-02
65	91	DEAD		2.248E-03	-1.637E-02
65	72	EH		-0.49	0.13
65	74	EH		-0.49	0.13
65	92	EH		-0.49	0.13
65	91	EH		-0.49	0.13
66	74	DEAD		3.594E-03	-2.685E-02
66	76	DEAD		3.594E-03	-2.685E-02
66	93	DEAD		3.594E-03	-2.685E-02
66	92	DEAD		3.594E-03	-2.685E-02
66	74	EH		-0.61	0.15
66	76	EH		-0.61	0.15
66	93	EH		-0.61	0.15
66	92	EH		-0.61	0.15
67	76	DEAD		-2.161E-02	-1.553E-02
67	78	DEAD		-2.161E-02	-1.553E-02
67	94	DEAD		-2.161E-02	-1.553E-02
67	93	DEAD		-2.161E-02	-1.553E-02
67	76	EH		-0.71	0.18
67	78	EH		-0.71	0.18
67	94	EH		-0.71	0.18
67	93	EH		-0.71	0.18
68	78	DEAD		-5.064E-02	6.134E-02
68	80	DEAD		-5.064E-02	6.134E-02
68	95	DEAD		-5.064E-02	6.134E-02
68	94	DEAD		-5.064E-02	6.134E-02
68	78	EH		-0.78	0.18
68	80	EH		-0.78	0.18
68	95	EH		-0.78	0.18
68	94	EH		-0.78	0.18
69	80	DEAD		-7.714E-02	0.22
69	82	DEAD		-7.714E-02	0.22
69	96	DEAD		-7.714E-02	0.22
69	95	DEAD		-7.714E-02	0.22

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13 KN/m	V23 KN/m
69	80	EH		-0.78	3.667E-02
69	82	EH		-0.78	3.667E-02
69	96	EH		-0.78	3.667E-02
69	95	EH		-0.78	3.667E-02
70	82	DEAD		-3.904E-02	0.38
70	84	DEAD		-3.904E-02	0.38
70	97	DEAD		-3.904E-02	0.38
70	96	DEAD		-3.904E-02	0.38
70	82	EH		-0.65	-0.47
70	84	EH		-0.65	-0.47
70	97	EH		-0.65	-0.47
70	96	EH		-0.65	-0.47
71	84	DEAD		0.11	0.34
71	86	DEAD		0.11	0.34
71	98	DEAD		0.11	0.34
71	97	DEAD		0.11	0.34
71	84	EH		-0.26	-1.73
71	86	EH		-0.26	-1.73
71	98	EH		-0.26	-1.73
71	97	EH		-0.26	-1.73
72	87	DEAD		1.213E-03	2.730E-04
72	88	DEAD		1.213E-03	2.730E-04
72	100	DEAD		1.213E-03	2.730E-04
72	99	DEAD		1.213E-03	2.730E-04
72	87	EH		0.11	6.109E-02
72	88	EH		0.11	6.109E-02
72	100	EH		0.11	6.109E-02
72	99	EH		0.11	6.109E-02
73	88	DEAD		-2.628E-03	1.833E-04
73	89	DEAD		-2.628E-03	1.833E-04
73	101	DEAD		-2.628E-03	1.833E-04
73	100	DEAD		-2.628E-03	1.833E-04
73	88	EH		0.17	0.11
73	89	EH		0.17	0.11
73	101	EH		0.17	0.11
73	100	EH		0.17	0.11
74	89	DEAD		1.017E-03	-1.473E-03
74	90	DEAD		1.017E-03	-1.473E-03
74	102	DEAD		1.017E-03	-1.473E-03
74	101	DEAD		1.017E-03	-1.473E-03
74	89	EH		0.27	0.12
74	90	EH		0.27	0.12
74	102	EH		0.27	0.12
74	101	EH		0.27	0.12
75	90	DEAD		-5.875E-03	-6.363E-03
75	91	DEAD		-5.875E-03	-6.363E-03
75	103	DEAD		-5.875E-03	-6.363E-03
75	102	DEAD		-5.875E-03	-6.363E-03
75	90	EH		0.38	0.12
75	91	EH		0.38	0.12
75	103	EH		0.38	0.12
75	102	EH		0.38	0.12
76	91	DEAD		-2.248E-03	-1.637E-02
76	92	DEAD		-2.248E-03	-1.637E-02

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13 KN/m	V23 KN/m
76	104	DEAD		-2.248E-03	-1.637E-02
76	103	DEAD		-2.248E-03	-1.637E-02
76	91	EH		0.49	0.13
76	92	EH		0.49	0.13
76	104	EH		0.49	0.13
76	103	EH		0.49	0.13
77	92	DEAD		-3.594E-03	-2.685E-02
77	93	DEAD		-3.594E-03	-2.685E-02
77	105	DEAD		-3.594E-03	-2.685E-02
77	104	DEAD		-3.594E-03	-2.685E-02
77	92	EH		0.61	0.15
77	93	EH		0.61	0.15
77	105	EH		0.61	0.15
77	104	EH		0.61	0.15
78	93	DEAD		2.161E-02	-1.553E-02
78	94	DEAD		2.161E-02	-1.553E-02
78	106	DEAD		2.161E-02	-1.553E-02
78	105	DEAD		2.161E-02	-1.553E-02
78	93	EH		0.71	0.18
78	94	EH		0.71	0.18
78	106	EH		0.71	0.18
78	105	EH		0.71	0.18
79	94	DEAD		5.064E-02	6.134E-02
79	95	DEAD		5.064E-02	6.134E-02
79	107	DEAD		5.064E-02	6.134E-02
79	106	DEAD		5.064E-02	6.134E-02
79	94	EH		0.78	0.18
79	95	EH		0.78	0.18
79	107	EH		0.78	0.18
79	106	EH		0.78	0.18
80	95	DEAD		7.714E-02	0.22
80	96	DEAD		7.714E-02	0.22
80	108	DEAD		7.714E-02	0.22
80	107	DEAD		7.714E-02	0.22
80	95	EH		0.78	3.667E-02
80	96	EH		0.78	3.667E-02
80	108	EH		0.78	3.667E-02
80	107	EH		0.78	3.667E-02
81	96	DEAD		3.904E-02	0.38
81	97	DEAD		3.904E-02	0.38
81	109	DEAD		3.904E-02	0.38
81	108	DEAD		3.904E-02	0.38
81	96	EH		0.65	-0.47
81	97	EH		0.65	-0.47
81	109	EH		0.65	-0.47
81	108	EH		0.65	-0.47
82	97	DEAD		-0.11	0.34
82	98	DEAD		-0.11	0.34
82	110	DEAD		-0.11	0.34
82	109	DEAD		-0.11	0.34
82	97	EH		0.26	-1.73
82	98	EH		0.26	-1.73
82	110	EH		0.26	-1.73
82	109	EH		0.26	-1.73

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13	V23
				KN/m	KN/m
83	99	DEAD		-1.344E-04	2.260E-03
83	100	DEAD		-1.344E-04	2.260E-03
83	111	DEAD		-1.344E-04	2.260E-03
83	8	DEAD		-1.344E-04	2.260E-03
83	99	EH		0.25	-5.311E-02
83	100	EH		0.25	-5.311E-02
83	111	EH		0.25	-5.311E-02
83	8	EH		0.25	-5.311E-02
84	100	DEAD		1.171E-03	4.058E-04
84	101	DEAD		1.171E-03	4.058E-04
84	112	DEAD		1.171E-03	4.058E-04
84	111	DEAD		1.171E-03	4.058E-04
84	100	EH		0.51	-6.354E-02
84	101	EH		0.51	-6.354E-02
84	112	EH		0.51	-6.354E-02
84	111	EH		0.51	-6.354E-02
85	101	DEAD		-5.394E-03	1.119E-03
85	102	DEAD		-5.394E-03	1.119E-03
85	113	DEAD		-5.394E-03	1.119E-03
85	112	DEAD		-5.394E-03	1.119E-03
85	101	EH		0.82	-6.806E-02
85	102	EH		0.82	-6.806E-02
85	113	EH		0.82	-6.806E-02
85	112	EH		0.82	-6.806E-02
86	102	DEAD		-7.138E-03	-1.379E-03
86	103	DEAD		-7.138E-03	-1.379E-03
86	114	DEAD		-7.138E-03	-1.379E-03
86	113	DEAD		-7.138E-03	-1.379E-03
86	102	EH		1.14	-7.367E-02
86	103	EH		1.14	-7.367E-02
86	114	EH		1.14	-7.367E-02
86	113	EH		1.14	-7.367E-02
87	103	DEAD		-2.070E-02	-1.255E-02
87	104	DEAD		-2.070E-02	-1.255E-02
87	115	DEAD		-2.070E-02	-1.255E-02
87	114	DEAD		-2.070E-02	-1.255E-02
87	103	EH		1.48	-7.189E-02
87	104	EH		1.48	-7.189E-02
87	115	EH		1.48	-7.189E-02
87	114	EH		1.48	-7.189E-02
88	104	DEAD		-1.194E-02	-3.806E-02
88	105	DEAD		-1.194E-02	-3.806E-02
88	116	DEAD		-1.194E-02	-3.806E-02
88	115	DEAD		-1.194E-02	-3.806E-02
88	104	EH		1.82	-5.228E-02
88	105	EH		1.82	-5.228E-02
88	116	EH		1.82	-5.228E-02
88	115	EH		1.82	-5.228E-02
89	105	DEAD		3.225E-02	-6.711E-02
89	106	DEAD		3.225E-02	-6.711E-02
89	117	DEAD		3.225E-02	-6.711E-02
89	116	DEAD		3.225E-02	-6.711E-02
89	105	EH		2.16	-1.361E-03
89	106	EH		2.16	-1.361E-03

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13 KN/m	V23 KN/m
89	117	EH		2.16	-1.361E-03
89	116	EH		2.16	-1.361E-03
90	106	DEAD		0.17	-3.356E-02
90	107	DEAD		0.17	-3.356E-02
90	118	DEAD		0.17	-3.356E-02
90	117	DEAD		0.17	-3.356E-02
90	106	EH		2.4	7.540E-02
90	107	EH		2.4	7.540E-02
90	118	EH		2.4	7.540E-02
90	117	EH		2.4	7.540E-02
91	107	DEAD		0.28	0.2
91	108	DEAD		0.28	0.2
91	119	DEAD		0.28	0.2
91	118	DEAD		0.28	0.2
91	107	EH		2.46	9.818E-02
91	108	EH		2.46	9.818E-02
91	119	EH		2.46	9.818E-02
91	118	EH		2.46	9.818E-02
92	108	DEAD		0.2	0.54
92	109	DEAD		0.2	0.54
92	120	DEAD		0.2	0.54
92	119	DEAD		0.2	0.54
92	108	EH		2.1	-8.990E-02
92	109	EH		2.1	-8.990E-02
92	120	EH		2.1	-8.990E-02
92	119	EH		2.1	-8.990E-02
93	109	DEAD		-0.32	0.67
93	110	DEAD		-0.32	0.67
93	2	DEAD		-0.32	0.67
93	120	DEAD		-0.32	0.67
93	109	EH		1.16	-0.95
93	110	EH		1.16	-0.95
93	2	EH		1.16	-0.95
93	120	EH		1.16	-0.95
94	5	DEAD		1.344E-04	2.260E-03
94	11	DEAD		1.344E-04	2.260E-03
94	122	DEAD		1.344E-04	2.260E-03
94	121	DEAD		1.344E-04	2.260E-03
94	5	EH		-0.25	-5.311E-02
94	11	EH		-0.25	-5.311E-02
94	122	EH		-0.25	-5.311E-02
94	121	EH		-0.25	-5.311E-02
95	11	DEAD		-1.171E-03	4.058E-04
95	13	DEAD		-1.171E-03	4.058E-04
95	123	DEAD		-1.171E-03	4.058E-04
95	122	DEAD		-1.171E-03	4.058E-04
95	11	EH		-0.51	-6.354E-02
95	13	EH		-0.51	-6.354E-02
95	123	EH		-0.51	-6.354E-02
95	122	EH		-0.51	-6.354E-02
96	13	DEAD		5.394E-03	1.119E-03
96	15	DEAD		5.394E-03	1.119E-03
96	124	DEAD		5.394E-03	1.119E-03
96	123	DEAD		5.394E-03	1.119E-03

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13 KN/m	V23 KN/m
96	13	EH		-0.82	-6.806E-02
96	15	EH		-0.82	-6.806E-02
96	124	EH		-0.82	-6.806E-02
96	123	EH		-0.82	-6.806E-02
97	15	DEAD		7.138E-03	-1.379E-03
97	17	DEAD		7.138E-03	-1.379E-03
97	125	DEAD		7.138E-03	-1.379E-03
97	124	DEAD		7.138E-03	-1.379E-03
97	15	EH		-1.14	-7.367E-02
97	17	EH		-1.14	-7.367E-02
97	125	EH		-1.14	-7.367E-02
97	124	EH		-1.14	-7.367E-02
98	17	DEAD		2.070E-02	-1.255E-02
98	19	DEAD		2.070E-02	-1.255E-02
98	126	DEAD		2.070E-02	-1.255E-02
98	125	DEAD		2.070E-02	-1.255E-02
98	17	EH		-1.48	-7.189E-02
98	19	EH		-1.48	-7.189E-02
98	126	EH		-1.48	-7.189E-02
98	125	EH		-1.48	-7.189E-02
99	19	DEAD		1.194E-02	-3.806E-02
99	21	DEAD		1.194E-02	-3.806E-02
99	127	DEAD		1.194E-02	-3.806E-02
99	126	DEAD		1.194E-02	-3.806E-02
99	19	EH		-1.82	-5.228E-02
99	21	EH		-1.82	-5.228E-02
99	127	EH		-1.82	-5.228E-02
99	126	EH		-1.82	-5.228E-02
100	21	DEAD		-3.225E-02	-6.711E-02
100	23	DEAD		-3.225E-02	-6.711E-02
100	128	DEAD		-3.225E-02	-6.711E-02
100	127	DEAD		-3.225E-02	-6.711E-02
100	21	EH		-2.16	-1.361E-03
100	23	EH		-2.16	-1.361E-03
100	128	EH		-2.16	-1.361E-03
100	127	EH		-2.16	-1.361E-03
101	23	DEAD		-0.17	-3.356E-02
101	25	DEAD		-0.17	-3.356E-02
101	129	DEAD		-0.17	-3.356E-02
101	128	DEAD		-0.17	-3.356E-02
101	23	EH		-2.4	7.540E-02
101	25	EH		-2.4	7.540E-02
101	129	EH		-2.4	7.540E-02
101	128	EH		-2.4	7.540E-02
102	25	DEAD		-0.28	0.2
102	27	DEAD		-0.28	0.2
102	130	DEAD		-0.28	0.2
102	129	DEAD		-0.28	0.2
102	25	EH		-2.46	9.818E-02
102	27	EH		-2.46	9.818E-02
102	130	EH		-2.46	9.818E-02
102	129	EH		-2.46	9.818E-02
103	27	DEAD		-0.2	0.54
103	29	DEAD		-0.2	0.54

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13	V23
				KN/m	KN/m
103	131	DEAD		-0.2	0.54
103	130	DEAD		-0.2	0.54
103	27	EH		-2.1	-8.990E-02
103	29	EH		-2.1	-8.990E-02
103	131	EH		-2.1	-8.990E-02
103	130	EH		-2.1	-8.990E-02
104	29	DEAD		0.32	0.67
104	4	DEAD		0.32	0.67
104	132	DEAD		0.32	0.67
104	131	DEAD		0.32	0.67
104	29	EH		-1.16	-0.95
104	4	EH		-1.16	-0.95
104	132	EH		-1.16	-0.95
104	131	EH		-1.16	-0.95
105	121	DEAD		-1.213E-03	2.730E-04
105	122	DEAD		-1.213E-03	2.730E-04
105	134	DEAD		-1.213E-03	2.730E-04
105	133	DEAD		-1.213E-03	2.730E-04
105	121	EH		-0.11	6.109E-02
105	122	EH		-0.11	6.109E-02
105	134	EH		-0.11	6.109E-02
105	133	EH		-0.11	6.109E-02
106	122	DEAD		2.628E-03	1.833E-04
106	123	DEAD		2.628E-03	1.833E-04
106	135	DEAD		2.628E-03	1.833E-04
106	134	DEAD		2.628E-03	1.833E-04
106	122	EH		-0.17	0.11
106	123	EH		-0.17	0.11
106	135	EH		-0.17	0.11
106	134	EH		-0.17	0.11
107	123	DEAD		-1.017E-03	-1.473E-03
107	124	DEAD		-1.017E-03	-1.473E-03
107	136	DEAD		-1.017E-03	-1.473E-03
107	135	DEAD		-1.017E-03	-1.473E-03
107	123	EH		-0.27	0.12
107	124	EH		-0.27	0.12
107	136	EH		-0.27	0.12
107	135	EH		-0.27	0.12
108	124	DEAD		5.875E-03	-6.363E-03
108	125	DEAD		5.875E-03	-6.363E-03
108	137	DEAD		5.875E-03	-6.363E-03
108	136	DEAD		5.875E-03	-6.363E-03
108	124	EH		-0.38	0.12
108	125	EH		-0.38	0.12
108	137	EH		-0.38	0.12
108	136	EH		-0.38	0.12
109	125	DEAD		2.248E-03	-1.637E-02
109	126	DEAD		2.248E-03	-1.637E-02
109	138	DEAD		2.248E-03	-1.637E-02
109	137	DEAD		2.248E-03	-1.637E-02
109	125	EH		-0.49	0.13
109	126	EH		-0.49	0.13
109	138	EH		-0.49	0.13
109	137	EH		-0.49	0.13

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13 KN/m	V23 KN/m
110	126	DEAD		3.594E-03	-2.685E-02
110	127	DEAD		3.594E-03	-2.685E-02
110	139	DEAD		3.594E-03	-2.685E-02
110	138	DEAD		3.594E-03	-2.685E-02
110	126	EH		-0.61	0.15
110	127	EH		-0.61	0.15
110	139	EH		-0.61	0.15
110	138	EH		-0.61	0.15
111	127	DEAD		-2.161E-02	-1.553E-02
111	128	DEAD		-2.161E-02	-1.553E-02
111	140	DEAD		-2.161E-02	-1.553E-02
111	139	DEAD		-2.161E-02	-1.553E-02
111	127	EH		-0.71	0.18
111	128	EH		-0.71	0.18
111	140	EH		-0.71	0.18
111	139	EH		-0.71	0.18
112	128	DEAD		-5.064E-02	6.134E-02
112	129	DEAD		-5.064E-02	6.134E-02
112	141	DEAD		-5.064E-02	6.134E-02
112	140	DEAD		-5.064E-02	6.134E-02
112	128	EH		-0.78	0.18
112	129	EH		-0.78	0.18
112	141	EH		-0.78	0.18
112	140	EH		-0.78	0.18
113	129	DEAD		-7.714E-02	0.22
113	130	DEAD		-7.714E-02	0.22
113	142	DEAD		-7.714E-02	0.22
113	141	DEAD		-7.714E-02	0.22
113	129	EH		-0.78	3.667E-02
113	130	EH		-0.78	3.667E-02
113	142	EH		-0.78	3.667E-02
113	141	EH		-0.78	3.667E-02
114	130	DEAD		-3.904E-02	0.38
114	131	DEAD		-3.904E-02	0.38
114	143	DEAD		-3.904E-02	0.38
114	142	DEAD		-3.904E-02	0.38
114	130	EH		-0.65	-0.47
114	131	EH		-0.65	-0.47
114	143	EH		-0.65	-0.47
114	142	EH		-0.65	-0.47
115	131	DEAD		0.11	0.34
115	132	DEAD		0.11	0.34
115	144	DEAD		0.11	0.34
115	143	DEAD		0.11	0.34
115	131	EH		-0.26	-1.73
115	132	EH		-0.26	-1.73
115	144	EH		-0.26	-1.73
115	143	EH		-0.26	-1.73
116	133	DEAD		1.213E-03	2.730E-04
116	134	DEAD		1.213E-03	2.730E-04
116	146	DEAD		1.213E-03	2.730E-04
116	145	DEAD		1.213E-03	2.730E-04
116	133	EH		0.11	6.109E-02
116	134	EH		0.11	6.109E-02

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13	V23
				KN/m	KN/m
116	146	EH		0.11	6.109E-02
116	145	EH		0.11	6.109E-02
117	134	DEAD		-2.628E-03	1.833E-04
117	135	DEAD		-2.628E-03	1.833E-04
117	147	DEAD		-2.628E-03	1.833E-04
117	146	DEAD		-2.628E-03	1.833E-04
117	134	EH		0.17	0.11
117	135	EH		0.17	0.11
117	147	EH		0.17	0.11
117	146	EH		0.17	0.11
118	135	DEAD		1.017E-03	-1.473E-03
118	136	DEAD		1.017E-03	-1.473E-03
118	148	DEAD		1.017E-03	-1.473E-03
118	147	DEAD		1.017E-03	-1.473E-03
118	135	EH		0.27	0.12
118	136	EH		0.27	0.12
118	148	EH		0.27	0.12
118	147	EH		0.27	0.12
119	136	DEAD		-5.875E-03	-6.363E-03
119	137	DEAD		-5.875E-03	-6.363E-03
119	149	DEAD		-5.875E-03	-6.363E-03
119	148	DEAD		-5.875E-03	-6.363E-03
119	136	EH		0.38	0.12
119	137	EH		0.38	0.12
119	149	EH		0.38	0.12
119	148	EH		0.38	0.12
120	137	DEAD		-2.248E-03	-1.637E-02
120	138	DEAD		-2.248E-03	-1.637E-02
120	150	DEAD		-2.248E-03	-1.637E-02
120	149	DEAD		-2.248E-03	-1.637E-02
120	137	EH		0.49	0.13
120	138	EH		0.49	0.13
120	150	EH		0.49	0.13
120	149	EH		0.49	0.13
121	138	DEAD		-3.594E-03	-2.685E-02
121	139	DEAD		-3.594E-03	-2.685E-02
121	151	DEAD		-3.594E-03	-2.685E-02
121	150	DEAD		-3.594E-03	-2.685E-02
121	138	EH		0.61	0.15
121	139	EH		0.61	0.15
121	151	EH		0.61	0.15
121	150	EH		0.61	0.15
122	139	DEAD		2.161E-02	-1.553E-02
122	140	DEAD		2.161E-02	-1.553E-02
122	152	DEAD		2.161E-02	-1.553E-02
122	151	DEAD		2.161E-02	-1.553E-02
122	139	EH		0.71	0.18
122	140	EH		0.71	0.18
122	152	EH		0.71	0.18
122	151	EH		0.71	0.18
123	140	DEAD		5.064E-02	6.134E-02
123	141	DEAD		5.064E-02	6.134E-02
123	153	DEAD		5.064E-02	6.134E-02
123	152	DEAD		5.064E-02	6.134E-02

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13 KN/m	V23 KN/m
123	140	EH		0.78	0.18
123	141	EH		0.78	0.18
123	153	EH		0.78	0.18
123	152	EH		0.78	0.18
124	141	DEAD		7.714E-02	0.22
124	142	DEAD		7.714E-02	0.22
124	154	DEAD		7.714E-02	0.22
124	153	DEAD		7.714E-02	0.22
124	141	EH		0.78	3.667E-02
124	142	EH		0.78	3.667E-02
124	154	EH		0.78	3.667E-02
124	153	EH		0.78	3.667E-02
125	142	DEAD		3.904E-02	0.38
125	143	DEAD		3.904E-02	0.38
125	155	DEAD		3.904E-02	0.38
125	154	DEAD		3.904E-02	0.38
125	142	EH		0.65	-0.47
125	143	EH		0.65	-0.47
125	155	EH		0.65	-0.47
125	154	EH		0.65	-0.47
126	143	DEAD		-0.11	0.34
126	144	DEAD		-0.11	0.34
126	156	DEAD		-0.11	0.34
126	155	DEAD		-0.11	0.34
126	143	EH		0.26	-1.73
126	144	EH		0.26	-1.73
126	156	EH		0.26	-1.73
126	155	EH		0.26	-1.73
127	145	DEAD		-1.344E-04	2.260E-03
127	146	DEAD		-1.344E-04	2.260E-03
127	67	DEAD		-1.344E-04	2.260E-03
127	7	DEAD		-1.344E-04	2.260E-03
127	145	EH		0.25	-5.311E-02
127	146	EH		0.25	-5.311E-02
127	67	EH		0.25	-5.311E-02
127	7	EH		0.25	-5.311E-02
128	146	DEAD		1.171E-03	4.058E-04
128	147	DEAD		1.171E-03	4.058E-04
128	69	DEAD		1.171E-03	4.058E-04
128	67	DEAD		1.171E-03	4.058E-04
128	146	EH		0.51	-6.354E-02
128	147	EH		0.51	-6.354E-02
128	69	EH		0.51	-6.354E-02
128	67	EH		0.51	-6.354E-02
129	147	DEAD		-5.394E-03	1.119E-03
129	148	DEAD		-5.394E-03	1.119E-03
129	71	DEAD		-5.394E-03	1.119E-03
129	69	DEAD		-5.394E-03	1.119E-03
129	147	EH		0.82	-6.806E-02
129	148	EH		0.82	-6.806E-02
129	71	EH		0.82	-6.806E-02
129	69	EH		0.82	-6.806E-02
130	148	DEAD		-7.138E-03	-1.379E-03
130	149	DEAD		-7.138E-03	-1.379E-03

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13 KN/m	V23 KN/m
130	73	DEAD		-7.138E-03	-1.379E-03
130	71	DEAD		-7.138E-03	-1.379E-03
130	148	EH		1.14	-7.367E-02
130	149	EH		1.14	-7.367E-02
130	73	EH		1.14	-7.367E-02
130	71	EH		1.14	-7.367E-02
131	149	DEAD		-2.070E-02	-1.255E-02
131	150	DEAD		-2.070E-02	-1.255E-02
131	75	DEAD		-2.070E-02	-1.255E-02
131	73	DEAD		-2.070E-02	-1.255E-02
131	149	EH		1.48	-7.189E-02
131	150	EH		1.48	-7.189E-02
131	75	EH		1.48	-7.189E-02
131	73	EH		1.48	-7.189E-02
132	150	DEAD		-1.194E-02	-3.806E-02
132	151	DEAD		-1.194E-02	-3.806E-02
132	77	DEAD		-1.194E-02	-3.806E-02
132	75	DEAD		-1.194E-02	-3.806E-02
132	150	EH		1.82	-5.228E-02
132	151	EH		1.82	-5.228E-02
132	77	EH		1.82	-5.228E-02
132	75	EH		1.82	-5.228E-02
133	151	DEAD		3.225E-02	-6.711E-02
133	152	DEAD		3.225E-02	-6.711E-02
133	79	DEAD		3.225E-02	-6.711E-02
133	77	DEAD		3.225E-02	-6.711E-02
133	151	EH		2.16	-1.361E-03
133	152	EH		2.16	-1.361E-03
133	79	EH		2.16	-1.361E-03
133	77	EH		2.16	-1.361E-03
134	152	DEAD		0.17	-3.356E-02
134	153	DEAD		0.17	-3.356E-02
134	81	DEAD		0.17	-3.356E-02
134	79	DEAD		0.17	-3.356E-02
134	152	EH		2.4	7.540E-02
134	153	EH		2.4	7.540E-02
134	81	EH		2.4	7.540E-02
134	79	EH		2.4	7.540E-02
135	153	DEAD		0.28	0.2
135	154	DEAD		0.28	0.2
135	83	DEAD		0.28	0.2
135	81	DEAD		0.28	0.2
135	153	EH		2.46	9.818E-02
135	154	EH		2.46	9.818E-02
135	83	EH		2.46	9.818E-02
135	81	EH		2.46	9.818E-02
136	154	DEAD		0.2	0.54
136	155	DEAD		0.2	0.54
136	85	DEAD		0.2	0.54
136	83	DEAD		0.2	0.54
136	154	EH		2.1	-8.990E-02
136	155	EH		2.1	-8.990E-02
136	85	EH		2.1	-8.990E-02
136	83	EH		2.1	-8.990E-02

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13	V23
				KN/m	KN/m
137	155	DEAD		-0.32	0.67
137	156	DEAD		-0.32	0.67
137	3	DEAD		-0.32	0.67
137	85	DEAD		-0.32	0.67
137	155	EH		1.16	-0.95
137	156	EH		1.16	-0.95
137	3	EH		1.16	-0.95
137	85	EH		1.16	-0.95
138	6	DEAD		-1.344E-04	2.260E-03
138	157	DEAD		-1.344E-04	2.260E-03
138	158	DEAD		-1.344E-04	2.260E-03
138	55	DEAD		-1.344E-04	2.260E-03
138	6	EH		0.25	-5.311E-02
138	157	EH		0.25	-5.311E-02
138	158	EH		0.25	-5.311E-02
138	55	EH		0.25	-5.311E-02
139	55	DEAD		1.171E-03	4.058E-04
139	158	DEAD		1.171E-03	4.058E-04
139	159	DEAD		1.171E-03	4.058E-04
139	56	DEAD		1.171E-03	4.058E-04
139	55	EH		0.51	-6.354E-02
139	158	EH		0.51	-6.354E-02
139	159	EH		0.51	-6.354E-02
139	56	EH		0.51	-6.354E-02
140	56	DEAD		-5.394E-03	1.119E-03
140	159	DEAD		-5.394E-03	1.119E-03
140	160	DEAD		-5.394E-03	1.119E-03
140	57	DEAD		-5.394E-03	1.119E-03
140	56	EH		0.82	-6.806E-02
140	159	EH		0.82	-6.806E-02
140	160	EH		0.82	-6.806E-02
140	57	EH		0.82	-6.806E-02
141	57	DEAD		-7.138E-03	-1.379E-03
141	160	DEAD		-7.138E-03	-1.379E-03
141	161	DEAD		-7.138E-03	-1.379E-03
141	58	DEAD		-7.138E-03	-1.379E-03
141	57	EH		1.14	-7.367E-02
141	160	EH		1.14	-7.367E-02
141	161	EH		1.14	-7.367E-02
141	58	EH		1.14	-7.367E-02
142	58	DEAD		-2.070E-02	-1.255E-02
142	161	DEAD		-2.070E-02	-1.255E-02
142	162	DEAD		-2.070E-02	-1.255E-02
142	59	DEAD		-2.070E-02	-1.255E-02
142	58	EH		1.48	-7.189E-02
142	161	EH		1.48	-7.189E-02
142	162	EH		1.48	-7.189E-02
142	59	EH		1.48	-7.189E-02
143	59	DEAD		-1.194E-02	-3.806E-02
143	162	DEAD		-1.194E-02	-3.806E-02
143	163	DEAD		-1.194E-02	-3.806E-02
143	60	DEAD		-1.194E-02	-3.806E-02
143	59	EH		1.82	-5.228E-02
143	162	EH		1.82	-5.228E-02

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13 KN/m	V23 KN/m
143	163	EH		1.82	-5.228E-02
143	60	EH		1.82	-5.228E-02
144	60	DEAD		3.225E-02	-6.711E-02
144	163	DEAD		3.225E-02	-6.711E-02
144	164	DEAD		3.225E-02	-6.711E-02
144	61	DEAD		3.225E-02	-6.711E-02
144	60	EH		2.16	-1.361E-03
144	163	EH		2.16	-1.361E-03
144	164	EH		2.16	-1.361E-03
144	61	EH		2.16	-1.361E-03
145	61	DEAD		0.17	-3.356E-02
145	164	DEAD		0.17	-3.356E-02
145	165	DEAD		0.17	-3.356E-02
145	62	DEAD		0.17	-3.356E-02
145	61	EH		2.4	7.540E-02
145	164	EH		2.4	7.540E-02
145	165	EH		2.4	7.540E-02
145	62	EH		2.4	7.540E-02
146	62	DEAD		0.28	0.2
146	165	DEAD		0.28	0.2
146	166	DEAD		0.28	0.2
146	63	DEAD		0.28	0.2
146	62	EH		2.46	9.818E-02
146	165	EH		2.46	9.818E-02
146	166	EH		2.46	9.818E-02
146	63	EH		2.46	9.818E-02
147	63	DEAD		0.2	0.54
147	166	DEAD		0.2	0.54
147	167	DEAD		0.2	0.54
147	64	DEAD		0.2	0.54
147	63	EH		2.1	-8.990E-02
147	166	EH		2.1	-8.990E-02
147	167	EH		2.1	-8.990E-02
147	64	EH		2.1	-8.990E-02
148	64	DEAD		-0.32	0.67
148	167	DEAD		-0.32	0.67
148	168	DEAD		-0.32	0.67
148	1	DEAD		-0.32	0.67
148	64	EH		1.16	-0.95
148	167	EH		1.16	-0.95
148	168	EH		1.16	-0.95
148	1	EH		1.16	-0.95
149	157	DEAD		1.213E-03	2.730E-04
149	169	DEAD		1.213E-03	2.730E-04
149	170	DEAD		1.213E-03	2.730E-04
149	158	DEAD		1.213E-03	2.730E-04
149	157	EH		0.11	6.109E-02
149	169	EH		0.11	6.109E-02
149	170	EH		0.11	6.109E-02
149	158	EH		0.11	6.109E-02
150	158	DEAD		-2.628E-03	1.833E-04
150	170	DEAD		-2.628E-03	1.833E-04
150	171	DEAD		-2.628E-03	1.833E-04
150	159	DEAD		-2.628E-03	1.833E-04

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13	V23
				KN/m	KN/m
150	158	EH		0.17	0.11
150	170	EH		0.17	0.11
150	171	EH		0.17	0.11
150	159	EH		0.17	0.11
151	159	DEAD		1.017E-03	-1.473E-03
151	171	DEAD		1.017E-03	-1.473E-03
151	172	DEAD		1.017E-03	-1.473E-03
151	160	DEAD		1.017E-03	-1.473E-03
151	159	EH		0.27	0.12
151	171	EH		0.27	0.12
151	172	EH		0.27	0.12
151	160	EH		0.27	0.12
152	160	DEAD		-5.875E-03	-6.363E-03
152	172	DEAD		-5.875E-03	-6.363E-03
152	173	DEAD		-5.875E-03	-6.363E-03
152	161	DEAD		-5.875E-03	-6.363E-03
152	160	EH		0.38	0.12
152	172	EH		0.38	0.12
152	173	EH		0.38	0.12
152	161	EH		0.38	0.12
153	161	DEAD		-2.248E-03	-1.637E-02
153	173	DEAD		-2.248E-03	-1.637E-02
153	174	DEAD		-2.248E-03	-1.637E-02
153	162	DEAD		-2.248E-03	-1.637E-02
153	161	EH		0.49	0.13
153	173	EH		0.49	0.13
153	174	EH		0.49	0.13
153	162	EH		0.49	0.13
154	162	DEAD		-3.594E-03	-2.685E-02
154	174	DEAD		-3.594E-03	-2.685E-02
154	175	DEAD		-3.594E-03	-2.685E-02
154	163	DEAD		-3.594E-03	-2.685E-02
154	162	EH		0.61	0.15
154	174	EH		0.61	0.15
154	175	EH		0.61	0.15
154	163	EH		0.61	0.15
155	163	DEAD		2.161E-02	-1.553E-02
155	175	DEAD		2.161E-02	-1.553E-02
155	176	DEAD		2.161E-02	-1.553E-02
155	164	DEAD		2.161E-02	-1.553E-02
155	163	EH		0.71	0.18
155	175	EH		0.71	0.18
155	176	EH		0.71	0.18
155	164	EH		0.71	0.18
156	164	DEAD		5.064E-02	6.134E-02
156	176	DEAD		5.064E-02	6.134E-02
156	177	DEAD		5.064E-02	6.134E-02
156	165	DEAD		5.064E-02	6.134E-02
156	164	EH		0.78	0.18
156	176	EH		0.78	0.18
156	177	EH		0.78	0.18
156	165	EH		0.78	0.18
157	165	DEAD		7.714E-02	0.22
157	177	DEAD		7.714E-02	0.22

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13 KN/m	V23 KN/m
157	178	DEAD		7.714E-02	0.22
157	166	DEAD		7.714E-02	0.22
157	165	EH		0.78	3.667E-02
157	177	EH		0.78	3.667E-02
157	178	EH		0.78	3.667E-02
157	166	EH		0.78	3.667E-02
158	166	DEAD		3.904E-02	0.38
158	178	DEAD		3.904E-02	0.38
158	179	DEAD		3.904E-02	0.38
158	167	DEAD		3.904E-02	0.38
158	166	EH		0.65	-0.47
158	178	EH		0.65	-0.47
158	179	EH		0.65	-0.47
158	167	EH		0.65	-0.47
159	167	DEAD		-0.11	0.34
159	179	DEAD		-0.11	0.34
159	180	DEAD		-0.11	0.34
159	168	DEAD		-0.11	0.34
159	167	EH		0.26	-1.73
159	179	EH		0.26	-1.73
159	180	EH		0.26	-1.73
159	168	EH		0.26	-1.73
160	169	DEAD		-1.213E-03	2.730E-04
160	181	DEAD		-1.213E-03	2.730E-04
160	182	DEAD		-1.213E-03	2.730E-04
160	170	DEAD		-1.213E-03	2.730E-04
160	169	EH		-0.11	6.109E-02
160	181	EH		-0.11	6.109E-02
160	182	EH		-0.11	6.109E-02
160	170	EH		-0.11	6.109E-02
161	170	DEAD		2.628E-03	1.833E-04
161	182	DEAD		2.628E-03	1.833E-04
161	183	DEAD		2.628E-03	1.833E-04
161	171	DEAD		2.628E-03	1.833E-04
161	170	EH		-0.17	0.11
161	182	EH		-0.17	0.11
161	183	EH		-0.17	0.11
161	171	EH		-0.17	0.11
162	171	DEAD		-1.017E-03	-1.473E-03
162	183	DEAD		-1.017E-03	-1.473E-03
162	184	DEAD		-1.017E-03	-1.473E-03
162	172	DEAD		-1.017E-03	-1.473E-03
162	171	EH		-0.27	0.12
162	183	EH		-0.27	0.12
162	184	EH		-0.27	0.12
162	172	EH		-0.27	0.12
163	172	DEAD		5.875E-03	-6.363E-03
163	184	DEAD		5.875E-03	-6.363E-03
163	185	DEAD		5.875E-03	-6.363E-03
163	173	DEAD		5.875E-03	-6.363E-03
163	172	EH		-0.38	0.12
163	184	EH		-0.38	0.12
163	185	EH		-0.38	0.12
163	173	EH		-0.38	0.12

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13	V23
				KN/m	KN/m
164	173	DEAD		2.248E-03	-1.637E-02
164	185	DEAD		2.248E-03	-1.637E-02
164	186	DEAD		2.248E-03	-1.637E-02
164	174	DEAD		2.248E-03	-1.637E-02
164	173	EH		-0.49	0.13
164	185	EH		-0.49	0.13
164	186	EH		-0.49	0.13
164	174	EH		-0.49	0.13
165	174	DEAD		3.594E-03	-2.685E-02
165	186	DEAD		3.594E-03	-2.685E-02
165	187	DEAD		3.594E-03	-2.685E-02
165	175	DEAD		3.594E-03	-2.685E-02
165	174	EH		-0.61	0.15
165	186	EH		-0.61	0.15
165	187	EH		-0.61	0.15
165	175	EH		-0.61	0.15
166	175	DEAD		-2.161E-02	-1.553E-02
166	187	DEAD		-2.161E-02	-1.553E-02
166	188	DEAD		-2.161E-02	-1.553E-02
166	176	DEAD		-2.161E-02	-1.553E-02
166	175	EH		-0.71	0.18
166	187	EH		-0.71	0.18
166	188	EH		-0.71	0.18
166	176	EH		-0.71	0.18
167	176	DEAD		-5.064E-02	6.134E-02
167	188	DEAD		-5.064E-02	6.134E-02
167	189	DEAD		-5.064E-02	6.134E-02
167	177	DEAD		-5.064E-02	6.134E-02
167	176	EH		-0.78	0.18
167	188	EH		-0.78	0.18
167	189	EH		-0.78	0.18
167	177	EH		-0.78	0.18
168	177	DEAD		-7.714E-02	0.22
168	189	DEAD		-7.714E-02	0.22
168	190	DEAD		-7.714E-02	0.22
168	178	DEAD		-7.714E-02	0.22
168	177	EH		-0.78	3.667E-02
168	189	EH		-0.78	3.667E-02
168	190	EH		-0.78	3.667E-02
168	178	EH		-0.78	3.667E-02
169	178	DEAD		-3.904E-02	0.38
169	190	DEAD		-3.904E-02	0.38
169	191	DEAD		-3.904E-02	0.38
169	179	DEAD		-3.904E-02	0.38
169	178	EH		-0.65	-0.47
169	190	EH		-0.65	-0.47
169	191	EH		-0.65	-0.47
169	179	EH		-0.65	-0.47
170	179	DEAD		0.11	0.34
170	191	DEAD		0.11	0.34
170	192	DEAD		0.11	0.34
170	180	DEAD		0.11	0.34
170	179	EH		-0.26	-1.73
170	191	EH		-0.26	-1.73

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13	V23
				KN/m	KN/m
170	192	EH		-0.26	-1.73
170	180	EH		-0.26	-1.73
171	181	DEAD		1.344E-04	2.260E-03
171	8	DEAD		1.344E-04	2.260E-03
171	111	DEAD		1.344E-04	2.260E-03
171	182	DEAD		1.344E-04	2.260E-03
171	181	EH		-0.25	-5.311E-02
171	8	EH		-0.25	-5.311E-02
171	111	EH		-0.25	-5.311E-02
171	182	EH		-0.25	-5.311E-02
172	182	DEAD		-1.171E-03	4.058E-04
172	111	DEAD		-1.171E-03	4.058E-04
172	112	DEAD		-1.171E-03	4.058E-04
172	183	DEAD		-1.171E-03	4.058E-04
172	182	EH		-0.51	-6.354E-02
172	111	EH		-0.51	-6.354E-02
172	112	EH		-0.51	-6.354E-02
172	183	EH		-0.51	-6.354E-02
173	183	DEAD		5.394E-03	1.119E-03
173	112	DEAD		5.394E-03	1.119E-03
173	113	DEAD		5.394E-03	1.119E-03
173	184	DEAD		5.394E-03	1.119E-03
173	183	EH		-0.82	-6.806E-02
173	112	EH		-0.82	-6.806E-02
173	113	EH		-0.82	-6.806E-02
173	184	EH		-0.82	-6.806E-02
174	184	DEAD		7.138E-03	-1.379E-03
174	113	DEAD		7.138E-03	-1.379E-03
174	114	DEAD		7.138E-03	-1.379E-03
174	185	DEAD		7.138E-03	-1.379E-03
174	184	EH		-1.14	-7.367E-02
174	113	EH		-1.14	-7.367E-02
174	114	EH		-1.14	-7.367E-02
174	185	EH		-1.14	-7.367E-02
175	185	DEAD		2.070E-02	-1.255E-02
175	114	DEAD		2.070E-02	-1.255E-02
175	115	DEAD		2.070E-02	-1.255E-02
175	186	DEAD		2.070E-02	-1.255E-02
175	185	EH		-1.48	-7.189E-02
175	114	EH		-1.48	-7.189E-02
175	115	EH		-1.48	-7.189E-02
175	186	EH		-1.48	-7.189E-02
176	186	DEAD		1.194E-02	-3.806E-02
176	115	DEAD		1.194E-02	-3.806E-02
176	116	DEAD		1.194E-02	-3.806E-02
176	187	DEAD		1.194E-02	-3.806E-02
176	186	EH		-1.82	-5.228E-02
176	115	EH		-1.82	-5.228E-02
176	116	EH		-1.82	-5.228E-02
176	187	EH		-1.82	-5.228E-02
177	187	DEAD		-3.225E-02	-6.711E-02
177	116	DEAD		-3.225E-02	-6.711E-02
177	117	DEAD		-3.225E-02	-6.711E-02
177	188	DEAD		-3.225E-02	-6.711E-02

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13	V23
				KN/m	KN/m
177	187	EH		-2.16	-1.361E-03
177	116	EH		-2.16	-1.361E-03
177	117	EH		-2.16	-1.361E-03
177	188	EH		-2.16	-1.361E-03
178	188	DEAD		-0.17	-3.356E-02
178	117	DEAD		-0.17	-3.356E-02
178	118	DEAD		-0.17	-3.356E-02
178	189	DEAD		-0.17	-3.356E-02
178	188	EH		-2.4	7.540E-02
178	117	EH		-2.4	7.540E-02
178	118	EH		-2.4	7.540E-02
178	189	EH		-2.4	7.540E-02
179	189	DEAD		-0.28	0.2
179	118	DEAD		-0.28	0.2
179	119	DEAD		-0.28	0.2
179	190	DEAD		-0.28	0.2
179	189	EH		-2.46	9.818E-02
179	118	EH		-2.46	9.818E-02
179	119	EH		-2.46	9.818E-02
179	190	EH		-2.46	9.818E-02
180	190	DEAD		-0.2	0.54
180	119	DEAD		-0.2	0.54
180	120	DEAD		-0.2	0.54
180	191	DEAD		-0.2	0.54
180	190	EH		-2.1	-8.990E-02
180	119	EH		-2.1	-8.990E-02
180	120	EH		-2.1	-8.990E-02
180	191	EH		-2.1	-8.990E-02
181	191	DEAD		0.32	0.67
181	120	DEAD		0.32	0.67
181	2	DEAD		0.32	0.67
181	192	DEAD		0.32	0.67
181	191	EH		-1.16	-0.95
181	120	EH		-1.16	-0.95
181	2	EH		-1.16	-0.95
181	192	EH		-1.16	-0.95
182	1	DEAD		-3.95	-3.95
182	168	DEAD		-3.95	-3.95
182	193	DEAD		-3.95	-3.95
182	54	DEAD		-3.95	-3.95
182	1	EH		1.67	1.67
182	168	EH		1.67	1.67
182	193	EH		1.67	1.67
182	54	EH		1.67	1.67
183	54	DEAD		7.924E-02	-5.903E-02
183	193	DEAD		7.924E-02	-5.903E-02
183	194	DEAD		7.924E-02	-5.903E-02
183	42	DEAD		7.924E-02	-5.903E-02
183	54	EH		1.88	0.2
183	193	EH		1.88	0.2
183	194	EH		1.88	0.2
183	42	EH		1.88	0.2
184	42	DEAD		7.924E-02	5.903E-02
184	194	DEAD		7.924E-02	5.903E-02

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13 KN/m	V23 KN/m
184	195	DEAD		7.924E-02	5.903E-02
184	30	DEAD		7.924E-02	5.903E-02
184	42	EH		1.88	-0.2
184	194	EH		1.88	-0.2
184	195	EH		1.88	-0.2
184	30	EH		1.88	-0.2
185	30	DEAD		-3.95	3.95
185	195	DEAD		-3.95	3.95
185	132	DEAD		-3.95	3.95
185	4	DEAD		-3.95	3.95
185	30	EH		1.67	-1.67
185	195	EH		1.67	-1.67
185	132	EH		1.67	-1.67
185	4	EH		1.67	-1.67
186	168	DEAD		-5.903E-02	7.924E-02
186	180	DEAD		-5.903E-02	7.924E-02
186	196	DEAD		-5.903E-02	7.924E-02
186	193	DEAD		-5.903E-02	7.924E-02
186	168	EH		0.2	1.88
186	180	EH		0.2	1.88
186	196	EH		0.2	1.88
186	193	EH		0.2	1.88
187	193	DEAD		-0.35	-0.35
187	196	DEAD		-0.35	-0.35
187	197	DEAD		-0.35	-0.35
187	194	DEAD		-0.35	-0.35
187	193	EH		0.59	0.59
187	196	EH		0.59	0.59
187	197	EH		0.59	0.59
187	194	EH		0.59	0.59
188	194	DEAD		-0.35	0.35
188	197	DEAD		-0.35	0.35
188	198	DEAD		-0.35	0.35
188	195	DEAD		-0.35	0.35
188	194	EH		0.59	-0.59
188	197	EH		0.59	-0.59
188	198	EH		0.59	-0.59
188	195	EH		0.59	-0.59
189	195	DEAD		-5.903E-02	-7.924E-02
189	198	DEAD		-5.903E-02	-7.924E-02
189	144	DEAD		-5.903E-02	-7.924E-02
189	132	DEAD		-5.903E-02	-7.924E-02
189	195	EH		0.2	-1.88
189	198	EH		0.2	-1.88
189	144	EH		0.2	-1.88
189	132	EH		0.2	-1.88
190	180	DEAD		5.903E-02	7.924E-02
190	192	DEAD		5.903E-02	7.924E-02
190	199	DEAD		5.903E-02	7.924E-02
190	196	DEAD		5.903E-02	7.924E-02
190	180	EH		-0.2	1.88
190	192	EH		-0.2	1.88
190	199	EH		-0.2	1.88
190	196	EH		-0.2	1.88

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13 KN/m	V23 KN/m
191	196	DEAD		0.35	-0.35
191	199	DEAD		0.35	-0.35
191	200	DEAD		0.35	-0.35
191	197	DEAD		0.35	-0.35
191	196	EH		-0.59	0.59
191	199	EH		-0.59	0.59
191	200	EH		-0.59	0.59
191	197	EH		-0.59	0.59
192	197	DEAD		0.35	0.35
192	200	DEAD		0.35	0.35
192	201	DEAD		0.35	0.35
192	198	DEAD		0.35	0.35
192	197	EH		-0.59	-0.59
192	200	EH		-0.59	-0.59
192	201	EH		-0.59	-0.59
192	198	EH		-0.59	-0.59
193	198	DEAD		5.903E-02	-7.924E-02
193	201	DEAD		5.903E-02	-7.924E-02
193	156	DEAD		5.903E-02	-7.924E-02
193	144	DEAD		5.903E-02	-7.924E-02
193	198	EH		-0.2	-1.88
193	201	EH		-0.2	-1.88
193	156	EH		-0.2	-1.88
193	144	EH		-0.2	-1.88
194	192	DEAD		3.95	-3.95
194	2	DEAD		3.95	-3.95
194	110	DEAD		3.95	-3.95
194	199	DEAD		3.95	-3.95
194	192	EH		-1.67	1.67
194	2	EH		-1.67	1.67
194	110	EH		-1.67	1.67
194	199	EH		-1.67	1.67
195	199	DEAD		-7.924E-02	-5.903E-02
195	110	DEAD		-7.924E-02	-5.903E-02
195	98	DEAD		-7.924E-02	-5.903E-02
195	200	DEAD		-7.924E-02	-5.903E-02
195	199	EH		-1.88	0.2
195	110	EH		-1.88	0.2
195	98	EH		-1.88	0.2
195	200	EH		-1.88	0.2
196	200	DEAD		-7.924E-02	5.903E-02
196	98	DEAD		-7.924E-02	5.903E-02
196	86	DEAD		-7.924E-02	5.903E-02
196	201	DEAD		-7.924E-02	5.903E-02
196	200	EH		-1.88	-0.2
196	98	EH		-1.88	-0.2
196	86	EH		-1.88	-0.2
196	201	EH		-1.88	-0.2
197	201	DEAD		3.95	3.95
197	86	DEAD		3.95	3.95
197	3	DEAD		3.95	3.95
197	156	DEAD		3.95	3.95
197	201	EH		-1.67	-1.67
197	86	EH		-1.67	-1.67

Table 18: Element Forces - Area Shells, Part 3 of 3

Area	Joint	OutputCase	StepType	V13 KN/m	V23 KN/m
197	3	EH		-1.67	-1.67
197	156	EH		-1.67	-1.67

Table 19: Element Stresses - Area Shells, Part 1 of 3

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
6	6	5	DEAD		-0.31	-3.16	-0.58
6	6	9	DEAD		-0.27	-1.58	-0.64
6	6	10	DEAD		0.47	-1.48	0.61
6	6	11	DEAD		0.45	-3.08	0.66
6	6	5	EH		5.3	0.46	-0.75
6	6	9	EH		-1.25	-0.52	1.69
6	6	10	EH		-2.25	0.47	1.85
6	6	11	EH		4.35	1.45	-0.59
7	7	11	DEAD		-0.48	-6.39	0.62
7	7	10	DEAD		-0.54	-7.85	0.62
7	7	12	DEAD		0.44	-7.68	-0.64
7	7	13	DEAD		0.44	-6.19	-0.64
7	7	11	EH		7.57	1.42	-1.22
7	7	10	EH		-5.69	-0.62	2.12
7	7	12	EH		-5.07	0.85	2.6
7	7	13	EH		8.26	2.88	-0.74
8	8	13	DEAD		-0.62	-12.52	-0.61
8	8	12	DEAD		-0.4	-10.87	-0.67
8	8	14	DEAD		0.5	-10.67	0.6
8	8	15	DEAD		0.37	-12.38	0.66
8	8	13	EH		12.12	3.23	-0.97
8	8	12	EH		-9.29	-1.34	2.76
8	8	14	EH		-8.51	0.2	2.64
8	8	15	EH		12.95	4.78	-1.08
9	9	15	DEAD		-0.59	-15.59	0.67
9	9	14	DEAD		-0.47	-17.12	0.6
9	9	16	DEAD		0.57	-16.92	-0.76
9	9	17	DEAD		0.33	-15.3	-0.69
9	9	15	EH		16.97	4.34	-1.22
9	9	14	EH		-12.95	-1.48	2.73
9	9	16	EH		-12.09	0.22	3.03
9	9	17	EH		17.93	6.02	-0.92
10	10	17	DEAD		-0.8	-21.66	-0.81
10	10	16	DEAD		-0.18	-19.94	-0.8
10	10	18	DEAD		0.88	-19.3	0.66
10	10	19	DEAD		0.42	-21.13	0.66
10	10	17	EH		22.11	6.04	-0.96
10	10	16	EH		-16.74	-2.11	3.1
10	10	18	EH		-15.88	-0.5	2.9
10	10	19	EH		23.02	7.67	-1.17
11	11	19	DEAD		-0.31	-23.75	0.3
11	11	18	DEAD		-0.26	-26.09	0.75
11	11	20	DEAD		1.18	-24.86	-0.6
11	11	21	DEAD		0.95	-22.39	-1.05

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
11	11	19	EH		27.22	6.89	-1.
11	11	18	EH		-20.59	-2.22	2.95
11	11	20	EH		-19.97	-1.17	3.15
11	11	21	EH		27.95	7.91	-0.8
12	12	21	DEAD		0.73	-28.1	-1.74
12	12	20	DEAD		-0.4	-28.16	-0.52
12	12	22	DEAD		1.03	-26.04	1.54
12	12	23	DEAD		2.41	-26.14	0.32
12	12	21	EH		31.9	7.31	-0.12
12	12	20	EH		-24.47	-3.36	3.11
12	12	22	EH		-24.35	-3.81	2.4
12	12	23	EH		32.04	6.9	-0.83
13	13	23	DEAD		3.5	-27.14	0.26
13	13	22	DEAD		-1.84	-34.	1.91
13	13	24	DEAD		-2.49	-33.49	-3.941E-02
13	13	25	DEAD		2.61	-26.43	-1.68
13	13	23	EH		34.81	5.04	0.66
13	13	22	EH		-27.65	-4.66	1.9
13	13	24	EH		-27.95	-7.09	1.16
13	13	25	EH		34.59	2.58	-9.449E-02
14	14	25	DEAD		2.14	-37.48	0.99
14	14	24	DEAD		-4.65	-35.59	-0.48
14	14	26	DEAD		-8.7	-41.83	4.53
14	14	27	DEAD		-1.59	-43.95	6.
14	14	25	EH		35.25	3.31	1.98
14	14	24	EH		-28.63	-7.88	-4.068E-02
14	14	26	EH		-29.08	-10.49	-3.77
14	14	27	EH		34.71	0.76	-1.75
15	15	27	DEAD		-8.58	-69.54	12.13
15	15	26	DEAD		-7.94	-47.38	12.21
15	15	28	DEAD		-13.27	-62.39	8.72
15	15	29	DEAD		-14.32	-84.29	8.63
15	15	27	EH		31.77	8.31	0.15
15	15	26	EH		-24.17	-8.18	-8.83
15	15	28	EH		-26.74	-5.04	-11.6
15	15	29	EH		29.12	11.4	-2.62
16	16	29	DEAD		-47.4	-231.55	4.4
16	16	28	DEAD		1.63	-6.06	13.83
16	16	30	DEAD		-10.74	-29.39	92.5
16	16	4	DEAD		-59.01	-255.52	83.06
16	16	29	EH		24.13	44.24	-6.84
16	16	28	EH		-16.6	-12.14	-12.19
16	16	30	EH		3.3	19.86	-22.66
16	16	4	EH		43.77	76.26	-17.31
17	17	9	DEAD		-0.38	-1.62	0.62
17	17	31	DEAD		-0.43	-3.18	0.64
17	17	32	DEAD		0.47	-3.02	-0.63
17	17	10	DEAD		0.52	-1.45	-0.65
17	17	9	EH		8.910E-02	1.05	0.99
17	17	31	EH		-2.7	1.11	-0.32
17	17	32	EH		-7.09	-1.17	0.24
17	17	10	EH		-4.29	-1.24	1.56
18	18	10	DEAD		-0.52	-7.84	-0.65
18	18	32	DEAD		-0.41	-6.25	-0.64

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
18	18	33	DEAD		0.5	-6.05	0.65
18	18	12	DEAD		0.44	-7.68	0.64
18	18	10	EH		-2.87	1.94	1.82
18	18	32	EH		-7.44	0.99	-4.342E-02
18	18	33	EH		-12.66	-2.7	-0.11
18	18	12	EH		-8.08	-1.74	1.76
19	19	12	DEAD		-0.46	-10.91	0.63
19	19	33	DEAD		-0.54	-12.51	0.67
19	19	34	DEAD		0.56	-12.29	-0.68
19	19	14	DEAD		0.56	-10.63	-0.71
19	19	12	EH		-6.18	1.41	1.91
19	19	33	EH		-13.32	0.34	-0.24
19	19	34	EH		-18.88	-3.63	5.147E-02
19	19	14	EH		-11.7	-2.57	2.21
20	20	14	DEAD		-0.54	-17.19	-0.74
20	20	34	DEAD		-0.31	-15.51	-0.68
20	20	35	DEAD		0.84	-15.07	0.68
20	20	16	DEAD		0.73	-16.83	0.62
20	20	14	EH		-9.59	1.42	2.29
20	20	34	EH		-19.63	-0.85	6.374E-03
20	20	35	EH		-25.48	-4.97	-0.18
20	20	16	EH		-15.44	-2.68	2.11
21	21	16	DEAD		-0.17	-19.99	0.63
21	21	35	DEAD		-0.23	-21.79	0.69
21	21	36	DEAD		1.17	-21.12	-0.79
21	21	18	DEAD		1.08	-19.21	-0.85
21	21	16	EH		-13.28	0.89	2.16
21	21	35	EH		-26.2	-1.37	-0.21
21	21	36	EH		-32.41	-5.75	8.655E-02
21	21	18	EH		-19.44	-3.52	2.46
22	22	18	DEAD		7.576E-02	-25.9	-0.82
22	22	36	DEAD		0.21	-24.26	-0.91
22	22	37	DEAD		1.2	-23.17	0.69
22	22	20	DEAD		1.26	-24.95	0.79
22	22	18	EH		-17.22	0.78	2.51
22	22	36	EH		-33.14	-2.58	0.1
22	22	37	EH		-39.62	-7.63	-0.12
22	22	20	EH		-23.72	-4.25	2.29
23	23	20	DEAD		0.74	-27.37	0.94
23	23	37	DEAD		-0.11	-29.95	0.51
23	23	38	DEAD		-0.54	-29.54	-0.87
23	23	22	DEAD		9.777E-02	-26.79	-0.44
23	23	20	EH		-21.68	-0.72	2.23
23	23	37	EH		-40.2	-3.82	2.914E-02
23	23	38	EH		-46.27	-9.63	0.14
23	23	22	EH		-27.7	-6.56	2.34
24	24	22	DEAD		-0.35	-32.54	-0.16
24	24	38	DEAD		-1.6	-31.33	-0.94
24	24	39	DEAD		-5.92	-33.62	0.94
24	24	24	DEAD		-4.39	-35.02	1.72
24	24	22	EH		-26.2	-3.18	1.84
24	24	38	EH		-46.66	-7.48	0.59
24	24	39	EH		-49.85	-12.9	-0.31
24	24	24	EH		-29.43	-8.57	0.94

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
25	25	24	DEAD		-4.58	-35.22	1.37
25	25	39	DEAD		-6.	-34.76	1.43
25	25	40	DEAD		-19.14	-43.82	3.34
25	25	26	DEAD		-18.04	-44.06	3.28
25	25	24	EH		-29.49	-8.65	-0.29
25	25	39	EH		-50.02	-13.96	0.71
25	25	40	EH		-44.56	-14.17	-1.69
25	25	26	EH		-23.99	-8.88	-2.69
26	26	26	DEAD		-19.73	-50.57	10.86
26	26	40	DEAD		-13.2	-16.08	5.79
26	26	41	DEAD		-32.9	-31.97	11.46
26	26	28	DEAD		-39.09	-66.72	16.53
26	26	26	EH		-26.55	-12.93	-7.75
26	26	40	EH		-45.64	-28.29	-0.13
26	26	41	EH		-24.54	-11.93	-4.74
26	26	28	EH		-5.55	3.47	-12.36
27	27	28	DEAD		-29.57	-19.08	21.76
27	27	41	DEAD		-27.83	-6.68	4.48
27	27	42	DEAD		4.53	-7.49	3.46
27	27	30	DEAD		2.76	-19.91	20.75
27	27	28	EH		-15.05	-21.4	-12.99
27	27	41	EH		-22.19	-22.82	-4.16
27	27	42	EH		-12.07	26.42	1.67
27	27	30	EH		-4.94	27.78	-7.16
28	28	31	DEAD		-0.43	-3.18	-0.64
28	28	43	DEAD		-0.38	-1.62	-0.62
28	28	44	DEAD		0.52	-1.45	0.65
28	28	32	DEAD		0.47	-3.02	0.63
28	28	31	EH		-2.7	1.11	0.32
28	28	43	EH		8.910E-02	1.05	-0.99
28	28	44	EH		-4.29	-1.24	-1.56
28	28	32	EH		-7.09	-1.17	-0.24
29	29	32	DEAD		-0.41	-6.25	0.64
29	29	44	DEAD		-0.52	-7.84	0.65
29	29	45	DEAD		0.44	-7.68	-0.64
29	29	33	DEAD		0.5	-6.05	-0.65
29	29	32	EH		-7.44	0.99	4.342E-02
29	29	44	EH		-2.87	1.94	-1.82
29	29	45	EH		-8.08	-1.74	-1.76
29	29	33	EH		-12.66	-2.7	0.11
30	30	33	DEAD		-0.54	-12.51	-0.67
30	30	45	DEAD		-0.46	-10.91	-0.63
30	30	46	DEAD		0.56	-10.63	0.71
30	30	34	DEAD		0.56	-12.29	0.68
30	30	33	EH		-13.32	0.34	0.24
30	30	45	EH		-6.18	1.41	-1.91
30	30	46	EH		-11.7	-2.57	-2.21
30	30	34	EH		-18.88	-3.63	-5.147E-02
31	31	34	DEAD		-0.31	-15.51	0.68
31	31	46	DEAD		-0.54	-17.19	0.74
31	31	47	DEAD		0.73	-16.83	-0.62
31	31	35	DEAD		0.84	-15.07	-0.68
31	31	34	EH		-19.63	-0.85	-6.374E-03
31	31	46	EH		-9.59	1.42	-2.29

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
31	31	47	EH		-15.44	-2.68	-2.11
31	31	35	EH		-25.48	-4.97	0.18
32	32	35	DEAD		-0.23	-21.79	-0.69
32	32	47	DEAD		-0.17	-19.99	-0.63
32	32	48	DEAD		1.08	-19.21	0.85
32	32	36	DEAD		1.17	-21.12	0.79
32	32	35	EH		-26.2	-1.37	0.21
32	32	47	EH		-13.28	0.89	-2.16
32	32	48	EH		-19.44	-3.52	-2.46
32	32	36	EH		-32.41	-5.75	-8.655E-02
33	33	36	DEAD		0.21	-24.26	0.91
33	33	48	DEAD		7.576E-02	-25.9	0.82
33	33	49	DEAD		1.26	-24.95	-0.79
33	33	37	DEAD		1.2	-23.17	-0.69
33	33	36	EH		-33.14	-2.58	-0.1
33	33	48	EH		-17.22	0.78	-2.51
33	33	49	EH		-23.72	-4.25	-2.29
33	33	37	EH		-39.62	-7.63	0.12
34	34	37	DEAD		-0.11	-29.95	-0.51
34	34	49	DEAD		0.74	-27.37	-0.94
34	34	50	DEAD		9.777E-02	-26.79	0.44
34	34	38	DEAD		-0.54	-29.54	0.87
34	34	37	EH		-40.2	-3.82	-2.914E-02
34	34	49	EH		-21.68	-0.72	-2.23
34	34	50	EH		-27.7	-6.56	-2.34
34	34	38	EH		-46.27	-9.63	-0.14
35	35	38	DEAD		-1.6	-31.33	0.94
35	35	50	DEAD		-0.35	-32.54	0.16
35	35	51	DEAD		-4.39	-35.02	-1.72
35	35	39	DEAD		-5.92	-33.62	-0.94
35	35	38	EH		-46.66	-7.48	-0.59
35	35	50	EH		-26.2	-3.18	-1.84
35	35	51	EH		-29.43	-8.57	-0.94
35	35	39	EH		-49.85	-12.9	0.31
36	36	39	DEAD		-6.	-34.76	-1.43
36	36	51	DEAD		-4.58	-35.22	-1.37
36	36	52	DEAD		-18.04	-44.06	-3.28
36	36	40	DEAD		-19.14	-43.82	-3.34
36	36	39	EH		-50.02	-13.96	-0.71
36	36	51	EH		-29.49	-8.65	0.29
36	36	52	EH		-23.99	-8.88	2.69
36	36	40	EH		-44.56	-14.17	1.69
37	37	40	DEAD		-13.2	-16.08	-5.79
37	37	52	DEAD		-19.73	-50.57	-10.86
37	37	53	DEAD		-39.09	-66.72	-16.53
37	37	41	DEAD		-32.9	-31.97	-11.46
37	37	40	EH		-45.64	-28.29	0.13
37	37	52	EH		-26.55	-12.93	7.75
37	37	53	EH		-5.55	3.47	12.36
37	37	41	EH		-24.54	-11.93	4.74
38	38	41	DEAD		-27.83	-6.68	-4.48
38	38	53	DEAD		-29.57	-19.08	-21.76
38	38	54	DEAD		2.76	-19.91	-20.75
38	38	42	DEAD		4.53	-7.49	-3.46

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
38	38	41	EH		-22.19	-22.82	4.16
38	38	53	EH		-15.05	-21.4	12.99
38	38	54	EH		-4.94	27.78	7.16
38	38	42	EH		-12.07	26.42	-1.67
39	39	43	DEAD		-0.27	-1.58	0.64
39	39	6	DEAD		-0.31	-3.16	0.58
39	39	55	DEAD		0.45	-3.08	-0.66
39	39	44	DEAD		0.47	-1.48	-0.61
39	39	43	EH		-1.25	-0.52	-1.69
39	39	6	EH		5.3	0.46	0.75
39	39	55	EH		4.35	1.45	0.59
39	39	44	EH		-2.25	0.47	-1.85
40	40	44	DEAD		-0.54	-7.85	-0.62
40	40	55	DEAD		-0.48	-6.39	-0.62
40	40	56	DEAD		0.44	-6.19	0.64
40	40	45	DEAD		0.44	-7.68	0.64
40	40	44	EH		-5.69	-0.62	-2.12
40	40	55	EH		7.57	1.42	1.22
40	40	56	EH		8.26	2.88	0.74
40	40	45	EH		-5.07	0.85	-2.6
41	41	45	DEAD		-0.4	-10.87	0.67
41	41	56	DEAD		-0.62	-12.52	0.61
41	41	57	DEAD		0.37	-12.38	-0.66
41	41	46	DEAD		0.5	-10.67	-0.6
41	41	45	EH		-9.29	-1.34	-2.76
41	41	56	EH		12.12	3.23	0.97
41	41	57	EH		12.95	4.78	1.08
41	41	46	EH		-8.51	0.2	-2.64
42	42	46	DEAD		-0.47	-17.12	-0.6
42	42	57	DEAD		-0.59	-15.59	-0.67
42	42	58	DEAD		0.33	-15.3	0.69
42	42	47	DEAD		0.57	-16.92	0.76
42	42	46	EH		-12.95	-1.48	-2.73
42	42	57	EH		16.97	4.34	1.22
42	42	58	EH		17.93	6.02	0.92
42	42	47	EH		-12.09	0.22	-3.03
43	43	47	DEAD		-0.18	-19.94	0.8
43	43	58	DEAD		-0.8	-21.66	0.81
43	43	59	DEAD		0.42	-21.13	-0.66
43	43	48	DEAD		0.88	-19.3	-0.66
43	43	47	EH		-16.74	-2.11	-3.1
43	43	58	EH		22.11	6.04	0.96
43	43	59	EH		23.02	7.67	1.17
43	43	48	EH		-15.88	-0.5	-2.9
44	44	48	DEAD		-0.26	-26.09	-0.75
44	44	59	DEAD		-0.31	-23.75	-0.3
44	44	60	DEAD		0.95	-22.39	1.05
44	44	49	DEAD		1.18	-24.86	0.6
44	44	48	EH		-20.59	-2.22	-2.95
44	44	59	EH		27.22	6.89	1.
44	44	60	EH		27.95	7.91	0.8
44	44	49	EH		-19.97	-1.17	-3.15
45	45	49	DEAD		-0.4	-28.16	0.52
45	45	60	DEAD		0.73	-28.1	1.74

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
45	45	61	DEAD		2.41	-26.14	-0.32
45	45	50	DEAD		1.03	-26.04	-1.54
45	45	49	EH		-24.47	-3.36	-3.11
45	45	60	EH		31.9	7.31	0.12
45	45	61	EH		32.04	6.9	0.83
45	45	50	EH		-24.35	-3.81	-2.4
46	46	50	DEAD		-1.84	-34.	-1.91
46	46	61	DEAD		3.5	-27.14	-0.26
46	46	62	DEAD		2.61	-26.43	1.68
46	46	51	DEAD		-2.49	-33.49	3.941E-02
46	46	50	EH		-27.65	-4.66	-1.9
46	46	61	EH		34.81	5.04	-0.66
46	46	62	EH		34.59	2.58	9.449E-02
46	46	51	EH		-27.95	-7.09	-1.16
47	47	51	DEAD		-4.65	-35.59	0.48
47	47	62	DEAD		2.14	-37.48	-0.99
47	47	63	DEAD		-1.59	-43.95	-6.
47	47	52	DEAD		-8.7	-41.83	-4.53
47	47	51	EH		-28.63	-7.88	4.068E-02
47	47	62	EH		35.25	3.31	-1.98
47	47	63	EH		34.71	0.76	1.75
47	47	52	EH		-29.08	-10.49	3.77
48	48	52	DEAD		-7.94	-47.38	-12.21
48	48	63	DEAD		-8.58	-69.54	-12.13
48	48	64	DEAD		-14.32	-84.29	-8.63
48	48	53	DEAD		-13.27	-62.39	-8.72
48	48	52	EH		-24.17	-8.18	8.83
48	48	63	EH		31.77	8.31	-0.15
48	48	64	EH		29.12	11.4	2.62
48	48	53	EH		-26.74	-5.04	11.6
49	49	53	DEAD		1.63	-6.06	-13.83
49	49	64	DEAD		-47.4	-231.55	-4.4
49	49	1	DEAD		-59.01	-255.52	-83.06
49	49	54	DEAD		-10.74	-29.39	-92.5
49	49	53	EH		-16.6	-12.14	12.19
49	49	64	EH		24.13	44.24	6.84
49	49	1	EH		43.77	76.26	17.31
49	49	54	EH		3.3	19.86	22.66
50	50	7	DEAD		-0.31	-3.16	0.58
50	50	67	DEAD		0.45	-3.08	-0.66
50	50	66	DEAD		0.47	-1.48	-0.61
50	50	65	DEAD		-0.27	-1.58	0.64
50	50	7	EH		5.3	0.46	0.75
50	50	67	EH		4.35	1.45	0.59
50	50	66	EH		-2.25	0.47	-1.85
50	50	65	EH		-1.25	-0.52	-1.69
51	51	67	DEAD		-0.48	-6.39	-0.62
51	51	69	DEAD		0.44	-6.19	0.64
51	51	68	DEAD		0.44	-7.68	0.64
51	51	66	DEAD		-0.54	-7.85	-0.62
51	51	67	EH		7.57	1.42	1.22
51	51	69	EH		8.26	2.88	0.74
51	51	68	EH		-5.07	0.85	-2.6
51	51	66	EH		-5.69	-0.62	-2.12

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
52	52	69	DEAD		-0.62	-12.52	0.61
52	52	71	DEAD		0.37	-12.38	-0.66
52	52	70	DEAD		0.5	-10.67	-0.6
52	52	68	DEAD		-0.4	-10.87	0.67
52	52	69	EH		12.12	3.23	0.97
52	52	71	EH		12.95	4.78	1.08
52	52	70	EH		-8.51	0.2	-2.64
52	52	68	EH		-9.29	-1.34	-2.76
53	53	71	DEAD		-0.59	-15.59	-0.67
53	53	73	DEAD		0.33	-15.3	0.69
53	53	72	DEAD		0.57	-16.92	0.76
53	53	70	DEAD		-0.47	-17.12	-0.6
53	53	71	EH		16.97	4.34	1.22
53	53	73	EH		17.93	6.02	0.92
53	53	72	EH		-12.09	0.22	-3.03
53	53	70	EH		-12.95	-1.48	-2.73
54	54	73	DEAD		-0.8	-21.66	0.81
54	54	75	DEAD		0.42	-21.13	-0.66
54	54	74	DEAD		0.88	-19.3	-0.66
54	54	72	DEAD		-0.18	-19.94	0.8
54	54	73	EH		22.11	6.04	0.96
54	54	75	EH		23.02	7.67	1.17
54	54	74	EH		-15.88	-0.5	-2.9
54	54	72	EH		-16.74	-2.11	-3.1
55	55	75	DEAD		-0.31	-23.75	-0.3
55	55	77	DEAD		0.95	-22.39	1.05
55	55	76	DEAD		1.18	-24.86	0.6
55	55	74	DEAD		-0.26	-26.09	-0.75
55	55	75	EH		27.22	6.89	1.
55	55	77	EH		27.95	7.91	0.8
55	55	76	EH		-19.97	-1.17	-3.15
55	55	74	EH		-20.59	-2.22	-2.95
56	56	77	DEAD		0.73	-28.1	1.74
56	56	79	DEAD		2.41	-26.14	-0.32
56	56	78	DEAD		1.03	-26.04	-1.54
56	56	76	DEAD		-0.4	-28.16	0.52
56	56	77	EH		31.9	7.31	0.12
56	56	79	EH		32.04	6.9	0.83
56	56	78	EH		-24.35	-3.81	-2.4
56	56	76	EH		-24.47	-3.36	-3.11
57	57	79	DEAD		3.5	-27.14	-0.26
57	57	81	DEAD		2.61	-26.43	1.68
57	57	80	DEAD		-2.49	-33.49	3.941E-02
57	57	78	DEAD		-1.84	-34.	-1.91
57	57	79	EH		34.81	5.04	-0.66
57	57	81	EH		34.59	2.58	9.449E-02
57	57	80	EH		-27.95	-7.09	-1.16
57	57	78	EH		-27.65	-4.66	-1.9
58	58	81	DEAD		2.14	-37.48	-0.99
58	58	83	DEAD		-1.59	-43.95	-6.
58	58	82	DEAD		-8.7	-41.83	-4.53
58	58	80	DEAD		-4.65	-35.59	0.48
58	58	81	EH		35.25	3.31	-1.98
58	58	83	EH		34.71	0.76	1.75

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
58	58	82	EH		-29.08	-10.49	3.77
58	58	80	EH		-28.63	-7.88	4.068E-02
59	59	83	DEAD		-8.58	-69.54	-12.13
59	59	85	DEAD		-14.32	-84.29	-8.63
59	59	84	DEAD		-13.27	-62.39	-8.72
59	59	82	DEAD		-7.94	-47.38	-12.21
59	59	83	EH		31.77	8.31	-0.15
59	59	85	EH		29.12	11.4	2.62
59	59	84	EH		-26.74	-5.04	11.6
59	59	82	EH		-24.17	-8.18	8.83
60	60	85	DEAD		-47.4	-231.55	-4.4
60	60	3	DEAD		-59.01	-255.52	-83.06
60	60	86	DEAD		-10.74	-29.39	-92.5
60	60	84	DEAD		1.63	-6.06	-13.83
60	60	85	EH		24.13	44.24	6.84
60	60	3	EH		43.77	76.26	17.31
60	60	86	EH		3.3	19.86	22.66
60	60	84	EH		-16.6	-12.14	12.19
61	61	65	DEAD		-0.38	-1.62	-0.62
61	61	66	DEAD		0.52	-1.45	0.65
61	61	88	DEAD		0.47	-3.02	0.63
61	61	87	DEAD		-0.43	-3.18	-0.64
61	61	65	EH		8.910E-02	1.05	-0.99
61	61	66	EH		-4.29	-1.24	-1.56
61	61	88	EH		-7.09	-1.17	-0.24
61	61	87	EH		-2.7	1.11	0.32
62	62	66	DEAD		-0.52	-7.84	0.65
62	62	68	DEAD		0.44	-7.68	-0.64
62	62	89	DEAD		0.5	-6.05	-0.65
62	62	88	DEAD		-0.41	-6.25	0.64
62	62	66	EH		-2.87	1.94	-1.82
62	62	68	EH		-8.08	-1.74	-1.76
62	62	89	EH		-12.66	-2.7	0.11
62	62	88	EH		-7.44	0.99	4.342E-02
63	63	68	DEAD		-0.46	-10.91	-0.63
63	63	70	DEAD		0.56	-10.63	0.71
63	63	90	DEAD		0.56	-12.29	0.68
63	63	89	DEAD		-0.54	-12.51	-0.67
63	63	68	EH		-6.18	1.41	-1.91
63	63	70	EH		-11.7	-2.57	-2.21
63	63	90	EH		-18.88	-3.63	-5.147E-02
63	63	89	EH		-13.32	0.34	0.24
64	64	70	DEAD		-0.54	-17.19	0.74
64	64	72	DEAD		0.73	-16.83	-0.62
64	64	91	DEAD		0.84	-15.07	-0.68
64	64	90	DEAD		-0.31	-15.51	0.68
64	64	70	EH		-9.59	1.42	-2.29
64	64	72	EH		-15.44	-2.68	-2.11
64	64	91	EH		-25.48	-4.97	0.18
64	64	90	EH		-19.63	-0.85	-6.374E-03
65	65	72	DEAD		-0.17	-19.99	-0.63
65	65	74	DEAD		1.08	-19.21	0.85
65	65	92	DEAD		1.17	-21.12	0.79
65	65	91	DEAD		-0.23	-21.79	-0.69

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
65	65	72	EH		-13.28	0.89	-2.16
65	65	74	EH		-19.44	-3.52	-2.46
65	65	92	EH		-32.41	-5.75	-8.655E-02
65	65	91	EH		-26.2	-1.37	0.21
66	66	74	DEAD		7.576E-02	-25.9	0.82
66	66	76	DEAD		1.26	-24.95	-0.79
66	66	93	DEAD		1.2	-23.17	-0.69
66	66	92	DEAD		0.21	-24.26	0.91
66	66	74	EH		-17.22	0.78	-2.51
66	66	76	EH		-23.72	-4.25	-2.29
66	66	93	EH		-39.62	-7.63	0.12
66	66	92	EH		-33.14	-2.58	-0.1
67	67	76	DEAD		0.74	-27.37	-0.94
67	67	78	DEAD		9.777E-02	-26.79	0.44
67	67	94	DEAD		-0.54	-29.54	0.87
67	67	93	DEAD		-0.11	-29.95	-0.51
67	67	76	EH		-21.68	-0.72	-2.23
67	67	78	EH		-27.7	-6.56	-2.34
67	67	94	EH		-46.27	-9.63	-0.14
67	67	93	EH		-40.2	-3.82	-2.914E-02
68	68	78	DEAD		-0.35	-32.54	0.16
68	68	80	DEAD		-4.39	-35.02	-1.72
68	68	95	DEAD		-5.92	-33.62	-0.94
68	68	94	DEAD		-1.6	-31.33	0.94
68	68	78	EH		-26.2	-3.18	-1.84
68	68	80	EH		-29.43	-8.57	-0.94
68	68	95	EH		-49.85	-12.9	0.31
68	68	94	EH		-46.66	-7.48	-0.59
69	69	80	DEAD		-4.58	-35.22	-1.37
69	69	82	DEAD		-18.04	-44.06	-3.28
69	69	96	DEAD		-19.14	-43.82	-3.34
69	69	95	DEAD		-6.	-34.76	-1.43
69	69	80	EH		-29.49	-8.65	0.29
69	69	82	EH		-23.99	-8.88	2.69
69	69	96	EH		-44.56	-14.17	1.69
69	69	95	EH		-50.02	-13.96	-0.71
70	70	82	DEAD		-19.73	-50.57	-10.86
70	70	84	DEAD		-39.09	-66.72	-16.53
70	70	97	DEAD		-32.9	-31.97	-11.46
70	70	96	DEAD		-13.2	-16.08	-5.79
70	70	82	EH		-26.55	-12.93	7.75
70	70	84	EH		-5.55	3.47	12.36
70	70	97	EH		-24.54	-11.93	4.74
70	70	96	EH		-45.64	-28.29	0.13
71	71	84	DEAD		-29.57	-19.08	-21.76
71	71	86	DEAD		2.76	-19.91	-20.75
71	71	98	DEAD		4.53	-7.49	-3.46
71	71	97	DEAD		-27.83	-6.68	-4.48
71	71	84	EH		-15.05	-21.4	12.99
71	71	86	EH		-4.94	27.78	7.16
71	71	98	EH		-12.07	26.42	-1.67
71	71	97	EH		-22.19	-22.82	4.16
72	72	87	DEAD		-0.43	-3.18	0.64
72	72	88	DEAD		0.47	-3.02	-0.63

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
72	72	100	DEAD		0.52	-1.45	-0.65
72	72	99	DEAD		-0.38	-1.62	0.62
72	72	87	EH		-2.7	1.11	-0.32
72	72	88	EH		-7.09	-1.17	0.24
72	72	100	EH		-4.29	-1.24	1.56
72	72	99	EH		8.910E-02	1.05	0.99
73	73	88	DEAD		-0.41	-6.25	-0.64
73	73	89	DEAD		0.5	-6.05	0.65
73	73	101	DEAD		0.44	-7.68	0.64
73	73	100	DEAD		-0.52	-7.84	-0.65
73	73	88	EH		-7.44	0.99	-4.342E-02
73	73	89	EH		-12.66	-2.7	-0.11
73	73	101	EH		-8.08	-1.74	1.76
73	73	100	EH		-2.87	1.94	1.82
74	74	89	DEAD		-0.54	-12.51	0.67
74	74	90	DEAD		0.56	-12.29	-0.68
74	74	102	DEAD		0.56	-10.63	-0.71
74	74	101	DEAD		-0.46	-10.91	0.63
74	74	89	EH		-13.32	0.34	-0.24
74	74	90	EH		-18.88	-3.63	5.147E-02
74	74	102	EH		-11.7	-2.57	2.21
74	74	101	EH		-6.18	1.41	1.91
75	75	90	DEAD		-0.31	-15.51	-0.68
75	75	91	DEAD		0.84	-15.07	0.68
75	75	103	DEAD		0.73	-16.83	0.62
75	75	102	DEAD		-0.54	-17.19	-0.74
75	75	90	EH		-19.63	-0.85	6.374E-03
75	75	91	EH		-25.48	-4.97	-0.18
75	75	103	EH		-15.44	-2.68	2.11
75	75	102	EH		-9.59	1.42	2.29
76	76	91	DEAD		-0.23	-21.79	0.69
76	76	92	DEAD		1.17	-21.12	-0.79
76	76	104	DEAD		1.08	-19.21	-0.85
76	76	103	DEAD		-0.17	-19.99	0.63
76	76	91	EH		-26.2	-1.37	-0.21
76	76	92	EH		-32.41	-5.75	8.655E-02
76	76	104	EH		-19.44	-3.52	2.46
76	76	103	EH		-13.28	0.89	2.16
77	77	92	DEAD		0.21	-24.26	-0.91
77	77	93	DEAD		1.2	-23.17	0.69
77	77	105	DEAD		1.26	-24.95	0.79
77	77	104	DEAD		7.576E-02	-25.9	-0.82
77	77	92	EH		-33.14	-2.58	0.1
77	77	93	EH		-39.62	-7.63	-0.12
77	77	105	EH		-23.72	-4.25	2.29
77	77	104	EH		-17.22	0.78	2.51
78	78	93	DEAD		-0.11	-29.95	0.51
78	78	94	DEAD		-0.54	-29.54	-0.87
78	78	106	DEAD		9.777E-02	-26.79	-0.44
78	78	105	DEAD		0.74	-27.37	0.94
78	78	93	EH		-40.2	-3.82	2.914E-02
78	78	94	EH		-46.27	-9.63	0.14
78	78	106	EH		-27.7	-6.56	2.34
78	78	105	EH		-21.68	-0.72	2.23

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
79	79	94	DEAD		-1.6	-31.33	-0.94
79	79	95	DEAD		-5.92	-33.62	0.94
79	79	107	DEAD		-4.39	-35.02	1.72
79	79	106	DEAD		-0.35	-32.54	-0.16
79	79	94	EH		-46.66	-7.48	0.59
79	79	95	EH		-49.85	-12.9	-0.31
79	79	107	EH		-29.43	-8.57	0.94
79	79	106	EH		-26.2	-3.18	1.84
80	80	95	DEAD		-6.	-34.76	1.43
80	80	96	DEAD		-19.14	-43.82	3.34
80	80	108	DEAD		-18.04	-44.06	3.28
80	80	107	DEAD		-4.58	-35.22	1.37
80	80	95	EH		-50.02	-13.96	0.71
80	80	96	EH		-44.56	-14.17	-1.69
80	80	108	EH		-23.99	-8.88	-2.69
80	80	107	EH		-29.49	-8.65	-0.29
81	81	96	DEAD		-13.2	-16.08	5.79
81	81	97	DEAD		-32.9	-31.97	11.46
81	81	109	DEAD		-39.09	-66.72	16.53
81	81	108	DEAD		-19.73	-50.57	10.86
81	81	96	EH		-45.64	-28.29	-0.13
81	81	97	EH		-24.54	-11.93	-4.74
81	81	109	EH		-5.55	3.47	-12.36
81	81	108	EH		-26.55	-12.93	-7.75
82	82	97	DEAD		-27.83	-6.68	4.48
82	82	98	DEAD		4.53	-7.49	3.46
82	82	110	DEAD		2.76	-19.91	20.75
82	82	109	DEAD		-29.57	-19.08	21.76
82	82	97	EH		-22.19	-22.82	-4.16
82	82	98	EH		-12.07	26.42	1.67
82	82	110	EH		-4.94	27.78	-7.16
82	82	109	EH		-15.05	-21.4	-12.99
83	83	99	DEAD		-0.27	-1.58	-0.64
83	83	100	DEAD		0.47	-1.48	0.61
83	83	111	DEAD		0.45	-3.08	0.66
83	83	8	DEAD		-0.31	-3.16	-0.58
83	83	99	EH		-1.25	-0.52	1.69
83	83	100	EH		-2.25	0.47	1.85
83	83	111	EH		4.35	1.45	-0.59
83	83	8	EH		5.3	0.46	-0.75
84	84	100	DEAD		-0.54	-7.85	0.62
84	84	101	DEAD		0.44	-7.68	-0.64
84	84	112	DEAD		0.44	-6.19	-0.64
84	84	111	DEAD		-0.48	-6.39	0.62
84	84	100	EH		-5.69	-0.62	2.12
84	84	101	EH		-5.07	0.85	2.6
84	84	112	EH		8.26	2.88	-0.74
84	84	111	EH		7.57	1.42	-1.22
85	85	101	DEAD		-0.4	-10.87	-0.67
85	85	102	DEAD		0.5	-10.67	0.6
85	85	113	DEAD		0.37	-12.38	0.66
85	85	112	DEAD		-0.62	-12.52	-0.61
85	85	101	EH		-9.29	-1.34	2.76
85	85	102	EH		-8.51	0.2	2.64

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
85	85	113	EH		12.95	4.78	-1.08
85	85	112	EH		12.12	3.23	-0.97
86	86	102	DEAD		-0.47	-17.12	0.6
86	86	103	DEAD		0.57	-16.92	-0.76
86	86	114	DEAD		0.33	-15.3	-0.69
86	86	113	DEAD		-0.59	-15.59	0.67
86	86	102	EH		-12.95	-1.48	2.73
86	86	103	EH		-12.09	0.22	3.03
86	86	114	EH		17.93	6.02	-0.92
86	86	113	EH		16.97	4.34	-1.22
87	87	103	DEAD		-0.18	-19.94	-0.8
87	87	104	DEAD		0.88	-19.3	0.66
87	87	115	DEAD		0.42	-21.13	0.66
87	87	114	DEAD		-0.8	-21.66	-0.81
87	87	103	EH		-16.74	-2.11	3.1
87	87	104	EH		-15.88	-0.5	2.9
87	87	115	EH		23.02	7.67	-1.17
87	87	114	EH		22.11	6.04	-0.96
88	88	104	DEAD		-0.26	-26.09	0.75
88	88	105	DEAD		1.18	-24.86	-0.6
88	88	116	DEAD		0.95	-22.39	-1.05
88	88	115	DEAD		-0.31	-23.75	0.3
88	88	104	EH		-20.59	-2.22	2.95
88	88	105	EH		-19.97	-1.17	3.15
88	88	116	EH		27.95	7.91	-0.8
88	88	115	EH		27.22	6.89	-1.
89	89	105	DEAD		-0.4	-28.16	-0.52
89	89	106	DEAD		1.03	-26.04	1.54
89	89	117	DEAD		2.41	-26.14	0.32
89	89	116	DEAD		0.73	-28.1	-1.74
89	89	105	EH		-24.47	-3.36	3.11
89	89	106	EH		-24.35	-3.81	2.4
89	89	117	EH		32.04	6.9	-0.83
89	89	116	EH		31.9	7.31	-0.12
90	90	106	DEAD		-1.84	-34.	1.91
90	90	107	DEAD		-2.49	-33.49	-3.941E-02
90	90	118	DEAD		2.61	-26.43	-1.68
90	90	117	DEAD		3.5	-27.14	0.26
90	90	106	EH		-27.65	-4.66	1.9
90	90	107	EH		-27.95	-7.09	1.16
90	90	118	EH		34.59	2.58	-9.449E-02
90	90	117	EH		34.81	5.04	0.66
91	91	107	DEAD		-4.65	-35.59	-0.48
91	91	108	DEAD		-8.7	-41.83	4.53
91	91	119	DEAD		-1.59	-43.95	6.
91	91	118	DEAD		2.14	-37.48	0.99
91	91	107	EH		-28.63	-7.88	-4.068E-02
91	91	108	EH		-29.08	-10.49	-3.77
91	91	119	EH		34.71	0.76	-1.75
91	91	118	EH		35.25	3.31	1.98
92	92	108	DEAD		-7.94	-47.38	12.21
92	92	109	DEAD		-13.27	-62.39	8.72
92	92	120	DEAD		-14.32	-84.29	8.63
92	92	119	DEAD		-8.58	-69.54	12.13

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
92	92	108	EH		-24.17	-8.18	-8.83
92	92	109	EH		-26.74	-5.04	-11.6
92	92	120	EH		29.12	11.4	-2.62
92	92	119	EH		31.77	8.31	0.15
93	93	109	DEAD		1.63	-6.06	13.83
93	93	110	DEAD		-10.74	-29.39	92.5
93	93	2	DEAD		-59.01	-255.52	83.06
93	93	120	DEAD		-47.4	-231.55	4.4
93	93	109	EH		-16.6	-12.14	-12.19
93	93	110	EH		3.3	19.86	-22.66
93	93	2	EH		43.77	76.26	-17.31
93	93	120	EH		24.13	44.24	-6.84
94	94	5	DEAD		-0.31	-3.16	0.58
94	94	11	DEAD		0.45	-3.08	-0.66
94	94	122	DEAD		0.47	-1.48	-0.61
94	94	121	DEAD		-0.27	-1.58	0.64
94	94	5	EH		5.3	0.46	0.75
94	94	11	EH		4.35	1.45	0.59
94	94	122	EH		-2.25	0.47	-1.85
94	94	121	EH		-1.25	-0.52	-1.69
95	95	11	DEAD		-0.48	-6.39	-0.62
95	95	13	DEAD		0.44	-6.19	0.64
95	95	123	DEAD		0.44	-7.68	0.64
95	95	122	DEAD		-0.54	-7.85	-0.62
95	95	11	EH		7.57	1.42	1.22
95	95	13	EH		8.26	2.88	0.74
95	95	123	EH		-5.07	0.85	-2.6
95	95	122	EH		-5.69	-0.62	-2.12
96	96	13	DEAD		-0.62	-12.52	0.61
96	96	15	DEAD		0.37	-12.38	-0.66
96	96	124	DEAD		0.5	-10.67	-0.6
96	96	123	DEAD		-0.4	-10.87	0.67
96	96	13	EH		12.12	3.23	0.97
96	96	15	EH		12.95	4.78	1.08
96	96	124	EH		-8.51	0.2	-2.64
96	96	123	EH		-9.29	-1.34	-2.76
97	97	15	DEAD		-0.59	-15.59	-0.67
97	97	17	DEAD		0.33	-15.3	0.69
97	97	125	DEAD		0.57	-16.92	0.76
97	97	124	DEAD		-0.47	-17.12	-0.6
97	97	15	EH		16.97	4.34	1.22
97	97	17	EH		17.93	6.02	0.92
97	97	125	EH		-12.09	0.22	-3.03
97	97	124	EH		-12.95	-1.48	-2.73
98	98	17	DEAD		-0.8	-21.66	0.81
98	98	19	DEAD		0.42	-21.13	-0.66
98	98	126	DEAD		0.88	-19.3	-0.66
98	98	125	DEAD		-0.18	-19.94	0.8
98	98	17	EH		22.11	6.04	0.96
98	98	19	EH		23.02	7.67	1.17
98	98	126	EH		-15.88	-0.5	-2.9
98	98	125	EH		-16.74	-2.11	-3.1
99	99	19	DEAD		-0.31	-23.75	-0.3
99	99	21	DEAD		0.95	-22.39	1.05

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
99	99	127	DEAD		1.18	-24.86	0.6
99	99	126	DEAD		-0.26	-26.09	-0.75
99	99	19	EH		27.22	6.89	1.
99	99	21	EH		27.95	7.91	0.8
99	99	127	EH		-19.97	-1.17	-3.15
99	99	126	EH		-20.59	-2.22	-2.95
100	100	21	DEAD		0.73	-28.1	1.74
100	100	23	DEAD		2.41	-26.14	-0.32
100	100	128	DEAD		1.03	-26.04	-1.54
100	100	127	DEAD		-0.4	-28.16	0.52
100	100	21	EH		31.9	7.31	0.12
100	100	23	EH		32.04	6.9	0.83
100	100	128	EH		-24.35	-3.81	-2.4
100	100	127	EH		-24.47	-3.36	-3.11
101	101	23	DEAD		3.5	-27.14	-0.26
101	101	25	DEAD		2.61	-26.43	1.68
101	101	129	DEAD		-2.49	-33.49	3.941E-02
101	101	128	DEAD		-1.84	-34.	-1.91
101	101	23	EH		34.81	5.04	-0.66
101	101	25	EH		34.59	2.58	9.449E-02
101	101	129	EH		-27.95	-7.09	-1.16
101	101	128	EH		-27.65	-4.66	-1.9
102	102	25	DEAD		2.14	-37.48	-0.99
102	102	27	DEAD		-1.59	-43.95	-6.
102	102	130	DEAD		-8.7	-41.83	-4.53
102	102	129	DEAD		-4.65	-35.59	0.48
102	102	25	EH		35.25	3.31	-1.98
102	102	27	EH		34.71	0.76	1.75
102	102	130	EH		-29.08	-10.49	3.77
102	102	129	EH		-28.63	-7.88	4.068E-02
103	103	27	DEAD		-8.58	-69.54	-12.13
103	103	29	DEAD		-14.32	-84.29	-8.63
103	103	131	DEAD		-13.27	-62.39	-8.72
103	103	130	DEAD		-7.94	-47.38	-12.21
103	103	27	EH		31.77	8.31	-0.15
103	103	29	EH		29.12	11.4	2.62
103	103	131	EH		-26.74	-5.04	11.6
103	103	130	EH		-24.17	-8.18	8.83
104	104	29	DEAD		-47.4	-231.55	-4.4
104	104	4	DEAD		-59.01	-255.52	-83.06
104	104	132	DEAD		-10.74	-29.39	-92.5
104	104	131	DEAD		1.63	-6.06	-13.83
104	104	29	EH		24.13	44.24	6.84
104	104	4	EH		43.77	76.26	17.31
104	104	132	EH		3.3	19.86	22.66
104	104	131	EH		-16.6	-12.14	12.19
105	105	121	DEAD		-0.38	-1.62	-0.62
105	105	122	DEAD		0.52	-1.45	0.65
105	105	134	DEAD		0.47	-3.02	0.63
105	105	133	DEAD		-0.43	-3.18	-0.64
105	105	121	EH		8.910E-02	1.05	-0.99
105	105	122	EH		-4.29	-1.24	-1.56
105	105	134	EH		-7.09	-1.17	-0.24
105	105	133	EH		-2.7	1.11	0.32

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
106	106	122	DEAD		-0.52	-7.84	0.65
106	106	123	DEAD		0.44	-7.68	-0.64
106	106	135	DEAD		0.5	-6.05	-0.65
106	106	134	DEAD		-0.41	-6.25	0.64
106	106	122	EH		-2.87	1.94	-1.82
106	106	123	EH		-8.08	-1.74	-1.76
106	106	135	EH		-12.66	-2.7	0.11
106	106	134	EH		-7.44	0.99	4.342E-02
107	107	123	DEAD		-0.46	-10.91	-0.63
107	107	124	DEAD		0.56	-10.63	0.71
107	107	136	DEAD		0.56	-12.29	0.68
107	107	135	DEAD		-0.54	-12.51	-0.67
107	107	123	EH		-6.18	1.41	-1.91
107	107	124	EH		-11.7	-2.57	-2.21
107	107	136	EH		-18.88	-3.63	-5.147E-02
107	107	135	EH		-13.32	0.34	0.24
108	108	124	DEAD		-0.54	-17.19	0.74
108	108	125	DEAD		0.73	-16.83	-0.62
108	108	137	DEAD		0.84	-15.07	-0.68
108	108	136	DEAD		-0.31	-15.51	0.68
108	108	124	EH		-9.59	1.42	-2.29
108	108	125	EH		-15.44	-2.68	-2.11
108	108	137	EH		-25.48	-4.97	0.18
108	108	136	EH		-19.63	-0.85	-6.374E-03
109	109	125	DEAD		-0.17	-19.99	-0.63
109	109	126	DEAD		1.08	-19.21	0.85
109	109	138	DEAD		1.17	-21.12	0.79
109	109	137	DEAD		-0.23	-21.79	-0.69
109	109	125	EH		-13.28	0.89	-2.16
109	109	126	EH		-19.44	-3.52	-2.46
109	109	138	EH		-32.41	-5.75	-8.655E-02
109	109	137	EH		-26.2	-1.37	0.21
110	110	126	DEAD		7.576E-02	-25.9	0.82
110	110	127	DEAD		1.26	-24.95	-0.79
110	110	139	DEAD		1.2	-23.17	-0.69
110	110	138	DEAD		0.21	-24.26	0.91
110	110	126	EH		-17.22	0.78	-2.51
110	110	127	EH		-23.72	-4.25	-2.29
110	110	139	EH		-39.62	-7.63	0.12
110	110	138	EH		-33.14	-2.58	-0.1
111	111	127	DEAD		0.74	-27.37	-0.94
111	111	128	DEAD		9.777E-02	-26.79	0.44
111	111	140	DEAD		-0.54	-29.54	0.87
111	111	139	DEAD		-0.11	-29.95	-0.51
111	111	127	EH		-21.68	-0.72	-2.23
111	111	128	EH		-27.7	-6.56	-2.34
111	111	140	EH		-46.27	-9.63	-0.14
111	111	139	EH		-40.2	-3.82	-2.914E-02
112	112	128	DEAD		-0.35	-32.54	0.16
112	112	129	DEAD		-4.39	-35.02	-1.72
112	112	141	DEAD		-5.92	-33.62	-0.94
112	112	140	DEAD		-1.6	-31.33	0.94
112	112	128	EH		-26.2	-3.18	-1.84
112	112	129	EH		-29.43	-8.57	-0.94

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
112	112	141	EH		-49.85	-12.9	0.31
112	112	140	EH		-46.66	-7.48	-0.59
113	113	129	DEAD		-4.58	-35.22	-1.37
113	113	130	DEAD		-18.04	-44.06	-3.28
113	113	142	DEAD		-19.14	-43.82	-3.34
113	113	141	DEAD		-6.	-34.76	-1.43
113	113	129	EH		-29.49	-8.65	0.29
113	113	130	EH		-23.99	-8.88	2.69
113	113	142	EH		-44.56	-14.17	1.69
113	113	141	EH		-50.02	-13.96	-0.71
114	114	130	DEAD		-19.73	-50.57	-10.86
114	114	131	DEAD		-39.09	-66.72	-16.53
114	114	143	DEAD		-32.9	-31.97	-11.46
114	114	142	DEAD		-13.2	-16.08	-5.79
114	114	130	EH		-26.55	-12.93	7.75
114	114	131	EH		-5.55	3.47	12.36
114	114	143	EH		-24.54	-11.93	4.74
114	114	142	EH		-45.64	-28.29	0.13
115	115	131	DEAD		-29.57	-19.08	-21.76
115	115	132	DEAD		2.76	-19.91	-20.75
115	115	144	DEAD		4.53	-7.49	-3.46
115	115	143	DEAD		-27.83	-6.68	-4.48
115	115	131	EH		-15.05	-21.4	12.99
115	115	132	EH		-4.94	27.78	7.16
115	115	144	EH		-12.07	26.42	-1.67
115	115	143	EH		-22.19	-22.82	4.16
116	116	133	DEAD		-0.43	-3.18	0.64
116	116	134	DEAD		0.47	-3.02	-0.63
116	116	146	DEAD		0.52	-1.45	-0.65
116	116	145	DEAD		-0.38	-1.62	0.62
116	116	133	EH		-2.7	1.11	-0.32
116	116	134	EH		-7.09	-1.17	0.24
116	116	146	EH		-4.29	-1.24	1.56
116	116	145	EH		8.910E-02	1.05	0.99
117	117	134	DEAD		-0.41	-6.25	-0.64
117	117	135	DEAD		0.5	-6.05	0.65
117	117	147	DEAD		0.44	-7.68	0.64
117	117	146	DEAD		-0.52	-7.84	-0.65
117	117	134	EH		-7.44	0.99	-4.342E-02
117	117	135	EH		-12.66	-2.7	-0.11
117	117	147	EH		-8.08	-1.74	1.76
117	117	146	EH		-2.87	1.94	1.82
118	118	135	DEAD		-0.54	-12.51	0.67
118	118	136	DEAD		0.56	-12.29	-0.68
118	118	148	DEAD		0.56	-10.63	-0.71
118	118	147	DEAD		-0.46	-10.91	0.63
118	118	135	EH		-13.32	0.34	-0.24
118	118	136	EH		-18.88	-3.63	5.147E-02
118	118	148	EH		-11.7	-2.57	2.21
118	118	147	EH		-6.18	1.41	1.91
119	119	136	DEAD		-0.31	-15.51	-0.68
119	119	137	DEAD		0.84	-15.07	0.68
119	119	149	DEAD		0.73	-16.83	0.62
119	119	148	DEAD		-0.54	-17.19	-0.74

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
119	119	136	EH		-19.63	-0.85	6.374E-03
119	119	137	EH		-25.48	-4.97	-0.18
119	119	149	EH		-15.44	-2.68	2.11
119	119	148	EH		-9.59	1.42	2.29
120	120	137	DEAD		-0.23	-21.79	0.69
120	120	138	DEAD		1.17	-21.12	-0.79
120	120	150	DEAD		1.08	-19.21	-0.85
120	120	149	DEAD		-0.17	-19.99	0.63
120	120	137	EH		-26.2	-1.37	-0.21
120	120	138	EH		-32.41	-5.75	8.655E-02
120	120	150	EH		-19.44	-3.52	2.46
120	120	149	EH		-13.28	0.89	2.16
121	121	138	DEAD		0.21	-24.26	-0.91
121	121	139	DEAD		1.2	-23.17	0.69
121	121	151	DEAD		1.26	-24.95	0.79
121	121	150	DEAD		7.576E-02	-25.9	-0.82
121	121	138	EH		-33.14	-2.58	0.1
121	121	139	EH		-39.62	-7.63	-0.12
121	121	151	EH		-23.72	-4.25	2.29
121	121	150	EH		-17.22	0.78	2.51
122	122	139	DEAD		-0.11	-29.95	0.51
122	122	140	DEAD		-0.54	-29.54	-0.87
122	122	152	DEAD		9.777E-02	-26.79	-0.44
122	122	151	DEAD		0.74	-27.37	0.94
122	122	139	EH		-40.2	-3.82	2.914E-02
122	122	140	EH		-46.27	-9.63	0.14
122	122	152	EH		-27.7	-6.56	2.34
122	122	151	EH		-21.68	-0.72	2.23
123	123	140	DEAD		-1.6	-31.33	-0.94
123	123	141	DEAD		-5.92	-33.62	0.94
123	123	153	DEAD		-4.39	-35.02	1.72
123	123	152	DEAD		-0.35	-32.54	-0.16
123	123	140	EH		-46.66	-7.48	0.59
123	123	141	EH		-49.85	-12.9	-0.31
123	123	153	EH		-29.43	-8.57	0.94
123	123	152	EH		-26.2	-3.18	1.84
124	124	141	DEAD		-6.	-34.76	1.43
124	124	142	DEAD		-19.14	-43.82	3.34
124	124	154	DEAD		-18.04	-44.06	3.28
124	124	153	DEAD		-4.58	-35.22	1.37
124	124	141	EH		-50.02	-13.96	0.71
124	124	142	EH		-44.56	-14.17	-1.69
124	124	154	EH		-23.99	-8.88	-2.69
124	124	153	EH		-29.49	-8.65	-0.29
125	125	142	DEAD		-13.2	-16.08	5.79
125	125	143	DEAD		-32.9	-31.97	11.46
125	125	155	DEAD		-39.09	-66.72	16.53
125	125	154	DEAD		-19.73	-50.57	10.86
125	125	142	EH		-45.64	-28.29	-0.13
125	125	143	EH		-24.54	-11.93	-4.74
125	125	155	EH		-5.55	3.47	-12.36
125	125	154	EH		-26.55	-12.93	-7.75
126	126	143	DEAD		-27.83	-6.68	4.48
126	126	144	DEAD		4.53	-7.49	3.46

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
126	126	156	DEAD		2.76	-19.91	20.75
126	126	155	DEAD		-29.57	-19.08	21.76
126	126	143	EH		-22.19	-22.82	-4.16
126	126	144	EH		-12.07	26.42	1.67
126	126	156	EH		-4.94	27.78	-7.16
126	126	155	EH		-15.05	-21.4	-12.99
127	127	145	DEAD		-0.27	-1.58	-0.64
127	127	146	DEAD		0.47	-1.48	0.61
127	127	67	DEAD		0.45	-3.08	0.66
127	127	7	DEAD		-0.31	-3.16	-0.58
127	127	145	EH		-1.25	-0.52	1.69
127	127	146	EH		-2.25	0.47	1.85
127	127	67	EH		4.35	1.45	-0.59
127	127	7	EH		5.3	0.46	-0.75
128	128	146	DEAD		-0.54	-7.85	0.62
128	128	147	DEAD		0.44	-7.68	-0.64
128	128	69	DEAD		0.44	-6.19	-0.64
128	128	67	DEAD		-0.48	-6.39	0.62
128	128	146	EH		-5.69	-0.62	2.12
128	128	147	EH		-5.07	0.85	2.6
128	128	69	EH		8.26	2.88	-0.74
128	128	67	EH		7.57	1.42	-1.22
129	129	147	DEAD		-0.4	-10.87	-0.67
129	129	148	DEAD		0.5	-10.67	0.6
129	129	71	DEAD		0.37	-12.38	0.66
129	129	69	DEAD		-0.62	-12.52	-0.61
129	129	147	EH		-9.29	-1.34	2.76
129	129	148	EH		-8.51	0.2	2.64
129	129	71	EH		12.95	4.78	-1.08
129	129	69	EH		12.12	3.23	-0.97
130	130	148	DEAD		-0.47	-17.12	0.6
130	130	149	DEAD		0.57	-16.92	-0.76
130	130	73	DEAD		0.33	-15.3	-0.69
130	130	71	DEAD		-0.59	-15.59	0.67
130	130	148	EH		-12.95	-1.48	2.73
130	130	149	EH		-12.09	0.22	3.03
130	130	73	EH		17.93	6.02	-0.92
130	130	71	EH		16.97	4.34	-1.22
131	131	149	DEAD		-0.18	-19.94	-0.8
131	131	150	DEAD		0.88	-19.3	0.66
131	131	75	DEAD		0.42	-21.13	0.66
131	131	73	DEAD		-0.8	-21.66	-0.81
131	131	149	EH		-16.74	-2.11	3.1
131	131	150	EH		-15.88	-0.5	2.9
131	131	75	EH		23.02	7.67	-1.17
131	131	73	EH		22.11	6.04	-0.96
132	132	150	DEAD		-0.26	-26.09	0.75
132	132	151	DEAD		1.18	-24.86	-0.6
132	132	77	DEAD		0.95	-22.39	-1.05
132	132	75	DEAD		-0.31	-23.75	0.3
132	132	150	EH		-20.59	-2.22	2.95
132	132	151	EH		-19.97	-1.17	3.15
132	132	77	EH		27.95	7.91	-0.8
132	132	75	EH		27.22	6.89	-1.

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top	S22Top	S12Top
					KN/m2	KN/m2	KN/m2
133	133	151	DEAD		-0.4	-28.16	-0.52
133	133	152	DEAD		1.03	-26.04	1.54
133	133	79	DEAD		2.41	-26.14	0.32
133	133	77	DEAD		0.73	-28.1	-1.74
133	133	151	EH		-24.47	-3.36	3.11
133	133	152	EH		-24.35	-3.81	2.4
133	133	79	EH		32.04	6.9	-0.83
133	133	77	EH		31.9	7.31	-0.12
134	134	152	DEAD		-1.84	-34.	1.91
134	134	153	DEAD		-2.49	-33.49	-3.941E-02
134	134	81	DEAD		2.61	-26.43	-1.68
134	134	79	DEAD		3.5	-27.14	0.26
134	134	152	EH		-27.65	-4.66	1.9
134	134	153	EH		-27.95	-7.09	1.16
134	134	81	EH		34.59	2.58	-9.449E-02
134	134	79	EH		34.81	5.04	0.66
135	135	153	DEAD		-4.65	-35.59	-0.48
135	135	154	DEAD		-8.7	-41.83	4.53
135	135	83	DEAD		-1.59	-43.95	6.
135	135	81	DEAD		2.14	-37.48	0.99
135	135	153	EH		-28.63	-7.88	-4.068E-02
135	135	154	EH		-29.08	-10.49	-3.77
135	135	83	EH		34.71	0.76	-1.75
135	135	81	EH		35.25	3.31	1.98
136	136	154	DEAD		-7.94	-47.38	12.21
136	136	155	DEAD		-13.27	-62.39	8.72
136	136	85	DEAD		-14.32	-84.29	8.63
136	136	83	DEAD		-8.58	-69.54	12.13
136	136	154	EH		-24.17	-8.18	-8.83
136	136	155	EH		-26.74	-5.04	-11.6
136	136	85	EH		29.12	11.4	-2.62
136	136	83	EH		31.77	8.31	0.15
137	137	155	DEAD		1.63	-6.06	13.83
137	137	156	DEAD		-10.74	-29.39	92.5
137	137	3	DEAD		-59.01	-255.52	83.06
137	137	85	DEAD		-47.4	-231.55	4.4
137	137	155	EH		-16.6	-12.14	-12.19
137	137	156	EH		3.3	19.86	-22.66
137	137	3	EH		43.77	76.26	-17.31
137	137	85	EH		24.13	44.24	-6.84
138	138	6	DEAD		-0.31	-3.16	-0.58
138	138	157	DEAD		-0.27	-1.58	-0.64
138	138	158	DEAD		0.47	-1.48	0.61
138	138	55	DEAD		0.45	-3.08	0.66
138	138	6	EH		5.3	0.46	-0.75
138	138	157	EH		-1.25	-0.52	1.69
138	138	158	EH		-2.25	0.47	1.85
138	138	55	EH		4.35	1.45	-0.59
139	139	55	DEAD		-0.48	-6.39	0.62
139	139	158	DEAD		-0.54	-7.85	0.62
139	139	159	DEAD		0.44	-7.68	-0.64
139	139	56	DEAD		0.44	-6.19	-0.64
139	139	55	EH		7.57	1.42	-1.22
139	139	158	EH		-5.69	-0.62	2.12

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
139	139	159	EH		-5.07	0.85	2.6
139	139	56	EH		8.26	2.88	-0.74
140	140	56	DEAD		-0.62	-12.52	-0.61
140	140	159	DEAD		-0.4	-10.87	-0.67
140	140	160	DEAD		0.5	-10.67	0.6
140	140	57	DEAD		0.37	-12.38	0.66
140	140	56	EH		12.12	3.23	-0.97
140	140	159	EH		-9.29	-1.34	2.76
140	140	160	EH		-8.51	0.2	2.64
140	140	57	EH		12.95	4.78	-1.08
141	141	57	DEAD		-0.59	-15.59	0.67
141	141	160	DEAD		-0.47	-17.12	0.6
141	141	161	DEAD		0.57	-16.92	-0.76
141	141	58	DEAD		0.33	-15.3	-0.69
141	141	57	EH		16.97	4.34	-1.22
141	141	160	EH		-12.95	-1.48	2.73
141	141	161	EH		-12.09	0.22	3.03
141	141	58	EH		17.93	6.02	-0.92
142	142	58	DEAD		-0.8	-21.66	-0.81
142	142	161	DEAD		-0.18	-19.94	-0.8
142	142	162	DEAD		0.88	-19.3	0.66
142	142	59	DEAD		0.42	-21.13	0.66
142	142	58	EH		22.11	6.04	-0.96
142	142	161	EH		-16.74	-2.11	3.1
142	142	162	EH		-15.88	-0.5	2.9
142	142	59	EH		23.02	7.67	-1.17
143	143	59	DEAD		-0.31	-23.75	0.3
143	143	162	DEAD		-0.26	-26.09	0.75
143	143	163	DEAD		1.18	-24.86	-0.6
143	143	60	DEAD		0.95	-22.39	-1.05
143	143	59	EH		27.22	6.89	-1.
143	143	162	EH		-20.59	-2.22	2.95
143	143	163	EH		-19.97	-1.17	3.15
143	143	60	EH		27.95	7.91	-0.8
144	144	60	DEAD		0.73	-28.1	-1.74
144	144	163	DEAD		-0.4	-28.16	-0.52
144	144	164	DEAD		1.03	-26.04	1.54
144	144	61	DEAD		2.41	-26.14	0.32
144	144	60	EH		31.9	7.31	-0.12
144	144	163	EH		-24.47	-3.36	3.11
144	144	164	EH		-24.35	-3.81	2.4
144	144	61	EH		32.04	6.9	-0.83
145	145	61	DEAD		3.5	-27.14	0.26
145	145	164	DEAD		-1.84	-34.	1.91
145	145	165	DEAD		-2.49	-33.49	-3.941E-02
145	145	62	DEAD		2.61	-26.43	-1.68
145	145	61	EH		34.81	5.04	0.66
145	145	164	EH		-27.65	-4.66	1.9
145	145	165	EH		-27.95	-7.09	1.16
145	145	62	EH		34.59	2.58	-9.449E-02
146	146	62	DEAD		2.14	-37.48	0.99
146	146	165	DEAD		-4.65	-35.59	-0.48
146	146	166	DEAD		-8.7	-41.83	4.53
146	146	63	DEAD		-1.59	-43.95	6.

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
146	146	62	EH		35.25	3.31	1.98
146	146	165	EH		-28.63	-7.88	-4.068E-02
146	146	166	EH		-29.08	-10.49	-3.77
146	146	63	EH		34.71	0.76	-1.75
147	147	63	DEAD		-8.58	-69.54	12.13
147	147	166	DEAD		-7.94	-47.38	12.21
147	147	167	DEAD		-13.27	-62.39	8.72
147	147	64	DEAD		-14.32	-84.29	8.63
147	147	63	EH		31.77	8.31	0.15
147	147	166	EH		-24.17	-8.18	-8.83
147	147	167	EH		-26.74	-5.04	-11.6
147	147	64	EH		29.12	11.4	-2.62
148	148	64	DEAD		-47.4	-231.55	4.4
148	148	167	DEAD		1.63	-6.06	13.83
148	148	168	DEAD		-10.74	-29.39	92.5
148	148	1	DEAD		-59.01	-255.52	83.06
148	148	64	EH		24.13	44.24	-6.84
148	148	167	EH		-16.6	-12.14	-12.19
148	148	168	EH		3.3	19.86	-22.66
148	148	1	EH		43.77	76.26	-17.31
149	149	157	DEAD		-0.38	-1.62	0.62
149	149	169	DEAD		-0.43	-3.18	0.64
149	149	170	DEAD		0.47	-3.02	-0.63
149	149	158	DEAD		0.52	-1.45	-0.65
149	149	157	EH		8.910E-02	1.05	0.99
149	149	169	EH		-2.7	1.11	-0.32
149	149	170	EH		-7.09	-1.17	0.24
149	149	158	EH		-4.29	1.24	1.56
150	150	158	DEAD		-0.52	-7.84	-0.65
150	150	170	DEAD		-0.41	-6.25	-0.64
150	150	171	DEAD		0.5	-6.05	0.65
150	150	159	DEAD		0.44	-7.68	0.64
150	150	158	EH		-2.87	1.94	1.82
150	150	170	EH		-7.44	0.99	-4.342E-02
150	150	171	EH		-12.66	-2.7	-0.11
150	150	159	EH		-8.08	-1.74	1.76
151	151	159	DEAD		-0.46	-10.91	0.63
151	151	171	DEAD		-0.54	-12.51	0.67
151	151	172	DEAD		0.56	-12.29	-0.68
151	151	160	DEAD		0.56	-10.63	-0.71
151	151	159	EH		-6.18	1.41	1.91
151	151	171	EH		-13.32	0.34	-0.24
151	151	172	EH		-18.88	-3.63	5.147E-02
151	151	160	EH		-11.7	-2.57	2.21
152	152	160	DEAD		-0.54	-17.19	-0.74
152	152	172	DEAD		-0.31	-15.51	-0.68
152	152	173	DEAD		0.84	-15.07	0.68
152	152	161	DEAD		0.73	-16.83	0.62
152	152	160	EH		-9.59	1.42	2.29
152	152	172	EH		-19.63	-0.85	6.374E-03
152	152	173	EH		-25.48	-4.97	-0.18
152	152	161	EH		-15.44	-2.68	2.11
153	153	161	DEAD		-0.17	-19.99	0.63
153	153	173	DEAD		-0.23	-21.79	0.69

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
153	153	174	DEAD		1.17	-21.12	-0.79
153	153	162	DEAD		1.08	-19.21	-0.85
153	153	161	EH		-13.28	0.89	2.16
153	153	173	EH		-26.2	-1.37	-0.21
153	153	174	EH		-32.41	-5.75	8.655E-02
153	153	162	EH		-19.44	-3.52	2.46
154	154	162	DEAD		7.576E-02	-25.9	-0.82
154	154	174	DEAD		0.21	-24.26	-0.91
154	154	175	DEAD		1.2	-23.17	0.69
154	154	163	DEAD		1.26	-24.95	0.79
154	154	162	EH		-17.22	0.78	2.51
154	154	174	EH		-33.14	-2.58	0.1
154	154	175	EH		-39.62	-7.63	-0.12
154	154	163	EH		-23.72	-4.25	2.29
155	155	163	DEAD		0.74	-27.37	0.94
155	155	175	DEAD		-0.11	-29.95	0.51
155	155	176	DEAD		-0.54	-29.54	-0.87
155	155	164	DEAD		9.777E-02	-26.79	-0.44
155	155	163	EH		-21.68	-0.72	2.23
155	155	175	EH		-40.2	-3.82	2.914E-02
155	155	176	EH		-46.27	-9.63	0.14
155	155	164	EH		-27.7	-6.56	2.34
156	156	164	DEAD		-0.35	-32.54	-0.16
156	156	176	DEAD		-1.6	-31.33	-0.94
156	156	177	DEAD		-5.92	-33.62	0.94
156	156	165	DEAD		-4.39	-35.02	1.72
156	156	164	EH		-26.2	-3.18	1.84
156	156	176	EH		-46.66	-7.48	0.59
156	156	177	EH		-49.85	-12.9	-0.31
156	156	165	EH		-29.43	-8.57	0.94
157	157	165	DEAD		-4.58	-35.22	1.37
157	157	177	DEAD		-6.	-34.76	1.43
157	157	178	DEAD		-19.14	-43.82	3.34
157	157	166	DEAD		-18.04	-44.06	3.28
157	157	165	EH		-29.49	-8.65	-0.29
157	157	177	EH		-50.02	-13.96	0.71
157	157	178	EH		-44.56	-14.17	-1.69
157	157	166	EH		-23.99	-8.88	-2.69
158	158	166	DEAD		-19.73	-50.57	10.86
158	158	178	DEAD		-13.2	-16.08	5.79
158	158	179	DEAD		-32.9	-31.97	11.46
158	158	167	DEAD		-39.09	-66.72	16.53
158	158	166	EH		-26.55	-12.93	-7.75
158	158	178	EH		-45.64	-28.29	-0.13
158	158	179	EH		-24.54	-11.93	-4.74
158	158	167	EH		-5.55	3.47	-12.36
159	159	167	DEAD		-29.57	-19.08	21.76
159	159	179	DEAD		-27.83	-6.68	4.48
159	159	180	DEAD		4.53	-7.49	3.46
159	159	168	DEAD		2.76	-19.91	20.75
159	159	167	EH		-15.05	-21.4	-12.99
159	159	179	EH		-22.19	-22.82	-4.16
159	159	180	EH		-12.07	26.42	1.67
159	159	168	EH		-4.94	27.78	-7.16

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
160	160	169	DEAD		-0.43	-3.18	-0.64
160	160	181	DEAD		-0.38	-1.62	-0.62
160	160	182	DEAD		0.52	-1.45	0.65
160	160	170	DEAD		0.47	-3.02	0.63
160	160	169	EH		-2.7	1.11	0.32
160	160	181	EH		8.910E-02	1.05	-0.99
160	160	182	EH		-4.29	-1.24	-1.56
160	160	170	EH		-7.09	-1.17	-0.24
161	161	170	DEAD		-0.41	-6.25	0.64
161	161	182	DEAD		-0.52	-7.84	0.65
161	161	183	DEAD		0.44	-7.68	-0.64
161	161	171	DEAD		0.5	-6.05	-0.65
161	161	170	EH		-7.44	0.99	4.342E-02
161	161	182	EH		-2.87	1.94	-1.82
161	161	183	EH		-8.08	-1.74	-1.76
161	161	171	EH		-12.66	-2.7	0.11
162	162	171	DEAD		-0.54	-12.51	-0.67
162	162	183	DEAD		-0.46	-10.91	-0.63
162	162	184	DEAD		0.56	-10.63	0.71
162	162	172	DEAD		0.56	-12.29	0.68
162	162	171	EH		-13.32	0.34	0.24
162	162	183	EH		-6.18	1.41	-1.91
162	162	184	EH		-11.7	-2.57	-2.21
162	162	172	EH		-18.88	-3.63	-5.147E-02
163	163	172	DEAD		-0.31	-15.51	0.68
163	163	184	DEAD		-0.54	-17.19	0.74
163	163	185	DEAD		0.73	-16.83	-0.62
163	163	173	DEAD		0.84	-15.07	-0.68
163	163	172	EH		-19.63	-0.85	-6.374E-03
163	163	184	EH		-9.59	1.42	-2.29
163	163	185	EH		-15.44	-2.68	-2.11
163	163	173	EH		-25.48	-4.97	0.18
164	164	173	DEAD		-0.23	-21.79	-0.69
164	164	185	DEAD		-0.17	-19.99	-0.63
164	164	186	DEAD		1.08	-19.21	0.85
164	164	174	DEAD		1.17	-21.12	0.79
164	164	173	EH		-26.2	-1.37	0.21
164	164	185	EH		-13.28	0.89	-2.16
164	164	186	EH		-19.44	-3.52	-2.46
164	164	174	EH		-32.41	-5.75	-8.655E-02
165	165	174	DEAD		0.21	-24.26	0.91
165	165	186	DEAD		7.576E-02	-25.9	0.82
165	165	187	DEAD		1.26	-24.95	-0.79
165	165	175	DEAD		1.2	-23.17	-0.69
165	165	174	EH		-33.14	-2.58	-0.1
165	165	186	EH		-17.22	0.78	-2.51
165	165	187	EH		-23.72	-4.25	-2.29
165	165	175	EH		-39.62	-7.63	0.12
166	166	175	DEAD		-0.11	-29.95	-0.51
166	166	187	DEAD		0.74	-27.37	-0.94
166	166	188	DEAD		9.777E-02	-26.79	0.44
166	166	176	DEAD		-0.54	-29.54	0.87
166	166	175	EH		-40.2	-3.82	-2.914E-02
166	166	187	EH		-21.68	-0.72	-2.23

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
166	166	188	EH		-27.7	-6.56	-2.34
166	166	176	EH		-46.27	-9.63	-0.14
167	167	176	DEAD		-1.6	-31.33	0.94
167	167	188	DEAD		-0.35	-32.54	0.16
167	167	189	DEAD		-4.39	-35.02	-1.72
167	167	177	DEAD		-5.92	-33.62	-0.94
167	167	176	EH		-46.66	-7.48	-0.59
167	167	188	EH		-26.2	-3.18	-1.84
167	167	189	EH		-29.43	-8.57	-0.94
167	167	177	EH		-49.85	-12.9	0.31
168	168	177	DEAD		-6.	-34.76	-1.43
168	168	189	DEAD		-4.58	-35.22	-1.37
168	168	190	DEAD		-18.04	-44.06	-3.28
168	168	178	DEAD		-19.14	-43.82	-3.34
168	168	177	EH		-50.02	-13.96	-0.71
168	168	189	EH		-29.49	-8.65	0.29
168	168	190	EH		-23.99	-8.88	2.69
168	168	178	EH		-44.56	-14.17	1.69
169	169	178	DEAD		-13.2	-16.08	-5.79
169	169	190	DEAD		-19.73	-50.57	-10.86
169	169	191	DEAD		-39.09	-66.72	-16.53
169	169	179	DEAD		-32.9	-31.97	-11.46
169	169	178	EH		-45.64	-28.29	0.13
169	169	190	EH		-26.55	-12.93	7.75
169	169	191	EH		-5.55	3.47	12.36
169	169	179	EH		-24.54	-11.93	4.74
170	170	179	DEAD		-27.83	-6.68	-4.48
170	170	191	DEAD		-29.57	-19.08	-21.76
170	170	192	DEAD		2.76	-19.91	-20.75
170	170	180	DEAD		4.53	-7.49	-3.46
170	170	179	EH		-22.19	-22.82	4.16
170	170	191	EH		-15.05	-21.4	12.99
170	170	192	EH		-4.94	27.78	7.16
170	170	180	EH		-12.07	26.42	-1.67
171	171	181	DEAD		-0.27	-1.58	0.64
171	171	8	DEAD		-0.31	-3.16	0.58
171	171	111	DEAD		0.45	-3.08	-0.66
171	171	182	DEAD		0.47	-1.48	-0.61
171	171	181	EH		-1.25	-0.52	-1.69
171	171	8	EH		5.3	0.46	0.75
171	171	111	EH		4.35	1.45	0.59
171	171	182	EH		-2.25	0.47	-1.85
172	172	182	DEAD		-0.54	-7.85	-0.62
172	172	111	DEAD		-0.48	-6.39	-0.62
172	172	112	DEAD		0.44	-6.19	0.64
172	172	183	DEAD		0.44	-7.68	0.64
172	172	182	EH		-5.69	-0.62	-2.12
172	172	111	EH		7.57	1.42	1.22
172	172	112	EH		8.26	2.88	0.74
172	172	183	EH		-5.07	0.85	-2.6
173	173	183	DEAD		-0.4	-10.87	0.67
173	173	112	DEAD		-0.62	-12.52	0.61
173	173	113	DEAD		0.37	-12.38	-0.66
173	173	184	DEAD		0.5	-10.67	-0.6

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
173	173	183	EH		-9.29	-1.34	-2.76
173	173	112	EH		12.12	3.23	0.97
173	173	113	EH		12.95	4.78	1.08
173	173	184	EH		-8.51	0.2	-2.64
174	174	184	DEAD		-0.47	-17.12	-0.6
174	174	113	DEAD		-0.59	-15.59	-0.67
174	174	114	DEAD		0.33	-15.3	0.69
174	174	185	DEAD		0.57	-16.92	0.76
174	174	184	EH		-12.95	-1.48	-2.73
174	174	113	EH		16.97	4.34	1.22
174	174	114	EH		17.93	6.02	0.92
174	174	185	EH		-12.09	0.22	-3.03
175	175	185	DEAD		-0.18	-19.94	0.8
175	175	114	DEAD		-0.8	-21.66	0.81
175	175	115	DEAD		0.42	-21.13	-0.66
175	175	186	DEAD		0.88	-19.3	-0.66
175	175	185	EH		-16.74	-2.11	-3.1
175	175	114	EH		22.11	6.04	0.96
175	175	115	EH		23.02	7.67	1.17
175	175	186	EH		-15.88	-0.5	-2.9
176	176	186	DEAD		-0.26	-26.09	-0.75
176	176	115	DEAD		-0.31	-23.75	-0.3
176	176	116	DEAD		0.95	-22.39	1.05
176	176	187	DEAD		1.18	-24.86	0.6
176	176	186	EH		-20.59	-2.22	-2.95
176	176	115	EH		27.22	6.89	1.
176	176	116	EH		27.95	7.91	0.8
176	176	187	EH		-19.97	-1.17	-3.15
177	177	187	DEAD		-0.4	-28.16	0.52
177	177	116	DEAD		0.73	-28.1	1.74
177	177	117	DEAD		2.41	-26.14	-0.32
177	177	188	DEAD		1.03	-26.04	-1.54
177	177	187	EH		-24.47	-3.36	-3.11
177	177	116	EH		31.9	7.31	0.12
177	177	117	EH		32.04	6.9	0.83
177	177	188	EH		-24.35	-3.81	-2.4
178	178	188	DEAD		-1.84	-34.	-1.91
178	178	117	DEAD		3.5	-27.14	-0.26
178	178	118	DEAD		2.61	-26.43	1.68
178	178	189	DEAD		-2.49	-33.49	3.941E-02
178	178	188	EH		-27.65	-4.66	-1.9
178	178	117	EH		34.81	5.04	-0.66
178	178	118	EH		34.59	2.58	9.449E-02
178	178	189	EH		-27.95	-7.09	-1.16
179	179	189	DEAD		-4.65	-35.59	0.48
179	179	118	DEAD		2.14	-37.48	-0.99
179	179	119	DEAD		-1.59	-43.95	-6.
179	179	190	DEAD		-8.7	-41.83	-4.53
179	179	189	EH		-28.63	-7.88	4.068E-02
179	179	118	EH		35.25	3.31	-1.98
179	179	119	EH		34.71	0.76	1.75
179	179	190	EH		-29.08	-10.49	3.77
180	180	190	DEAD		-7.94	-47.38	-12.21
180	180	119	DEAD		-8.58	-69.54	-12.13

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
180	180	120	DEAD		-14.32	-84.29	-8.63
180	180	191	DEAD		-13.27	-62.39	-8.72
180	180	190	EH		-24.17	-8.18	8.83
180	180	119	EH		31.77	8.31	-0.15
180	180	120	EH		29.12	11.4	2.62
180	180	191	EH		-26.74	-5.04	11.6
181	181	191	DEAD		1.63	-6.06	-13.83
181	181	120	DEAD		-47.4	-231.55	-4.4
181	181	2	DEAD		-59.01	-255.52	-83.06
181	181	192	DEAD		-10.74	-29.39	-92.5
181	181	191	EH		-16.6	-12.14	12.19
181	181	120	EH		24.13	44.24	6.84
181	181	2	EH		43.77	76.26	17.31
181	181	192	EH		3.3	19.86	22.66
182	182	1	DEAD		-85.02	-85.02	2.43
182	182	168	DEAD		22.84	-38.23	20.59
182	182	193	DEAD		68.87	68.87	38.76
182	182	54	DEAD		-38.23	22.84	20.59
182	182	1	EH		46.94	46.94	4.5
182	182	168	EH		-0.84	21.53	3.79
182	182	193	EH		-26.22	-26.22	3.08
182	182	54	EH		21.53	-0.84	3.79
183	183	54	DEAD		18.5	69.54	28.94
183	183	193	DEAD		13.98	31.36	25.74
183	183	194	DEAD		4.89	31.9	-2.74
183	183	42	DEAD		9.34	69.92	0.45
183	183	54	EH		20.87	-15.85	-1.25
183	183	193	EH		-27.77	-22.2	4.83
183	183	194	EH		-24.8	-27.68	4.01
183	183	42	EH		23.94	-21.3	-2.07
184	184	42	DEAD		9.34	69.92	-0.45
184	184	194	DEAD		4.89	31.9	2.74
184	184	195	DEAD		13.98	31.36	-25.74
184	184	30	DEAD		18.5	69.54	-28.94
184	184	42	EH		23.94	-21.3	2.07
184	184	194	EH		-24.8	-27.68	-4.01
184	184	195	EH		-27.77	-22.2	-4.83
184	184	30	EH		20.87	-15.85	1.25
185	185	30	DEAD		-38.23	22.84	-20.59
185	185	195	DEAD		68.87	68.87	-38.76
185	185	132	DEAD		22.84	-38.23	-20.59
185	185	4	DEAD		-85.02	-85.02	-2.43
185	185	30	EH		21.53	-0.84	-3.79
185	185	195	EH		-26.22	-26.22	-3.08
185	185	132	EH		-0.84	21.53	-3.79
185	185	4	EH		46.94	46.94	-4.5
186	186	168	DEAD		69.54	18.5	28.94
186	186	180	DEAD		69.92	9.34	0.45
186	186	196	DEAD		31.9	4.89	-2.74
186	186	193	DEAD		31.36	13.98	25.74
186	186	168	EH		-15.85	20.87	-1.25
186	186	180	EH		-21.3	23.94	-2.07
186	186	196	EH		-27.68	-24.8	4.01
186	186	193	EH		-22.2	-27.77	4.83

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
187	187	193	DEAD		30.24	30.24	11.36
187	187	196	DEAD		40.1	24.02	3.42
187	187	197	DEAD		33.82	33.82	-4.51
187	187	194	DEAD		24.02	40.1	3.42
187	187	193	EH		-15.56	-15.56	6.8
187	187	196	EH		-32.1	-25.92	2.94
187	187	197	EH		-42.47	-42.47	-0.92
187	187	194	EH		-25.92	-32.1	2.94
188	188	194	DEAD		24.02	40.1	-3.42
188	188	197	DEAD		33.82	33.82	4.51
188	188	198	DEAD		40.1	24.02	-3.42
188	188	195	DEAD		30.24	30.24	-11.36
188	188	194	EH		-25.92	-32.1	-2.94
188	188	197	EH		-42.47	-42.47	0.92
188	188	198	EH		-32.1	-25.92	-2.94
188	188	195	EH		-15.56	-15.56	-6.8
189	189	195	DEAD		31.36	13.98	-25.74
189	189	198	DEAD		31.9	4.89	2.74
189	189	144	DEAD		69.92	9.34	-0.45
189	189	132	DEAD		69.54	18.5	-28.94
189	189	195	EH		-22.2	-27.77	-4.83
189	189	198	EH		-27.68	-24.8	-4.01
189	189	144	EH		-21.3	23.94	2.07
189	189	132	EH		-15.85	20.87	1.25
190	190	180	DEAD		69.92	9.34	-0.45
190	190	192	DEAD		69.54	18.5	-28.94
190	190	199	DEAD		31.36	13.98	-25.74
190	190	196	DEAD		31.9	4.89	2.74
190	190	180	EH		-21.3	23.94	2.07
190	190	192	EH		-15.85	20.87	1.25
190	190	199	EH		-22.2	-27.77	-4.83
190	190	196	EH		-27.68	-24.8	-4.01
191	191	196	DEAD		40.1	24.02	-3.42
191	191	199	DEAD		30.24	30.24	-11.36
191	191	200	DEAD		24.02	40.1	-3.42
191	191	197	DEAD		33.82	33.82	4.51
191	191	196	EH		-32.1	-25.92	-2.94
191	191	199	EH		-15.56	-15.56	-6.8
191	191	200	EH		-25.92	-32.1	-2.94
191	191	197	EH		-42.47	-42.47	0.92
192	192	197	DEAD		33.82	33.82	-4.51
192	192	200	DEAD		24.02	40.1	3.42
192	192	201	DEAD		30.24	30.24	11.36
192	192	198	DEAD		40.1	24.02	3.42
192	192	197	EH		-42.47	-42.47	-0.92
192	192	200	EH		-25.92	-32.1	2.94
192	192	201	EH		-15.56	-15.56	6.8
192	192	198	EH		-32.1	-25.92	2.94
193	193	198	DEAD		31.9	4.89	-2.74
193	193	201	DEAD		31.36	13.98	25.74
193	193	156	DEAD		69.54	18.5	28.94
193	193	144	DEAD		69.92	9.34	0.45
193	193	198	EH		-27.68	-24.8	4.01
193	193	201	EH		-22.2	-27.77	4.83

Table 19: Element Stresses - Area Shells, Part 1 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Top KN/m2	S22Top KN/m2	S12Top KN/m2
193	193	156	EH		-15.85	20.87	-1.25
193	193	144	EH		-21.3	23.94	-2.07
194	194	192	DEAD		22.84	-38.23	-20.59
194	194	2	DEAD		-85.02	-85.02	-2.43
194	194	110	DEAD		-38.23	22.84	-20.59
194	194	199	DEAD		68.87	68.87	-38.76
194	194	192	EH		-0.84	21.53	-3.79
194	194	2	EH		46.94	46.94	-4.5
194	194	110	EH		21.53	-0.84	-3.79
194	194	199	EH		-26.22	-26.22	-3.08
195	195	199	DEAD		13.98	31.36	-25.74
195	195	110	DEAD		18.5	69.54	-28.94
195	195	98	DEAD		9.34	69.92	-0.45
195	195	200	DEAD		4.89	31.9	2.74
195	195	199	EH		-27.77	-22.2	-4.83
195	195	110	EH		20.87	-15.85	1.25
195	195	98	EH		23.94	-21.3	2.07
195	195	200	EH		-24.8	-27.68	-4.01
196	196	200	DEAD		4.89	31.9	-2.74
196	196	98	DEAD		9.34	69.92	0.45
196	196	86	DEAD		18.5	69.54	28.94
196	196	201	DEAD		13.98	31.36	25.74
196	196	200	EH		-24.8	-27.68	4.01
196	196	98	EH		23.94	-21.3	-2.07
196	196	86	EH		20.87	-15.85	-1.25
196	196	201	EH		-27.77	-22.2	4.83
197	197	201	DEAD		68.87	68.87	38.76
197	197	86	DEAD		-38.23	22.84	20.59
197	197	3	DEAD		-85.02	-85.02	2.43
197	197	156	DEAD		22.84	-38.23	20.59
197	197	201	EH		-26.22	-26.22	3.08
197	197	86	EH		21.53	-0.84	3.79
197	197	3	EH		46.94	46.94	4.5
197	197	156	EH		-0.84	21.53	3.79

Table 19: Element Stresses - Area Shells, Part 2 of 3

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
6	6	5	DEAD		-0.36	-1.76	0.77
6	6	9	DEAD		-0.34	-3.07	0.75
6	6	10	DEAD		0.5	-2.85	-0.71
6	6	11	DEAD		0.46	-1.53	-0.69
6	6	5	EH		-4.55	-0.16	-0.62
6	6	9	EH		2.07	1.19	-0.48
6	6	10	EH		-2.59	-0.93	-0.6
6	6	11	EH		-9.26	-2.29	-0.73
7	7	11	DEAD		-0.5	-7.67	-0.73
7	7	10	DEAD		-0.44	-6.21	-0.72
7	7	12	DEAD		0.52	-5.99	0.75
7	7	13	DEAD		0.51	-7.48	0.74
7	7	11	EH		-12.28	-1.27	-0.79

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
7	7	10	EH		1.03	1.09	-0.9
7	7	12	EH		-3.64	-1.18	-1.28
7	7	13	EH		-17.02	-3.53	-1.17
8	8	13	DEAD		-0.38	-10.92	0.76
8	8	12	DEAD		-0.53	-12.25	0.76
8	8	14	DEAD		0.55	-12.04	-0.74
8	8	15	DEAD		0.62	-10.66	-0.74
8	8	13	EH		-20.63	-2.64	-1.15
8	8	12	EH		0.74	1.73	-1.4
8	8	14	EH		-4.54	-0.71	-1.14
8	8	15	EH		-25.97	-5.09	-0.9
9	9	15	DEAD		-0.3	-16.86	-0.78
9	9	14	DEAD		-0.44	-15.39	-0.75
9	9	16	DEAD		0.61	-15.18	0.83
9	9	17	DEAD		0.86	-16.73	0.8
9	9	15	EH		-29.78	-3.64	-0.94
9	9	14	EH		8.372E-02	1.9	-1.17
9	9	16	EH		-5.41	-0.73	-1.43
9	9	17	EH		-35.37	-6.26	-1.21
10	10	17	DEAD		8.421E-02	-19.87	0.75
10	10	16	DEAD		-0.54	-21.66	0.81
10	10	18	DEAD		0.59	-21.87	-0.9
10	10	19	DEAD		1.07	-19.97	-0.95
10	10	17	EH		-39.37	-5.35	-1.21
10	10	16	EH		-0.58	2.53	-1.46
10	10	18	EH		-6.3	-6.209E-02	-1.17
10	10	19	EH		-45.15	-7.95	-0.92
11	11	19	DEAD		0.13	-25.71	-1.17
11	11	18	DEAD		-0.27	-25.1	-1.06
11	11	20	DEAD		9.134E-02	-25.97	0.58
11	11	21	DEAD		0.67	-26.72	0.47
11	11	19	EH		-49.27	-6.78	-0.79
11	11	18	EH		-1.37	2.78	-1.13
11	11	20	EH		-7.02	0.73	-1.38
11	11	21	EH		-55.02	-8.8	-1.03
12	12	21	DEAD		-0.59	-28.41	0.29
12	12	20	DEAD		-0.28	-32.42	0.29
12	12	22	DEAD		-1.01	-34.4	-1.78
12	12	23	DEAD		-1.57	-30.23	-1.79
12	12	21	EH		-59.12	-8.94	-0.7
12	12	20	EH		-2.25	4.23	-1.16
12	12	22	EH		-7.06	3.74	-0.7
12	12	23	EH		-63.95	-9.47	-0.24
13	13	23	DEAD		-3.96	-35.74	-1.85
13	13	22	DEAD		-0.12	-36.37	-1.56
13	13	24	DEAD		-3.21	-37.63	0.81
13	13	25	DEAD		-6.81	-37.2	0.52
13	13	23	EH		-67.2	-10.03	0.34
13	13	22	EH		-3.44	6.16	-0.36
13	13	24	EH		-5.39	8.13	-0.5
13	13	25	EH		-69.23	-8.02	0.2
14	14	25	DEAD		-9.9	-43.96	2.38
14	14	24	DEAD		-2.35	-42.02	1.36
14	14	26	DEAD		-3.13	-36.74	3.48

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
14	14	27	DEAD		-11.01	-38.46	4.51
14	14	25	EH		-70.	-9.26	0.17
14	14	24	EH		-4.66	9.18	0.26
14	14	26	EH		-1.22	12.38	0.18
14	14	27	EH		-66.47	-6.11	8.767E-02
15	15	27	DEAD		-16.98	-77.66	5.52
15	15	26	DEAD		-5.53	-39.37	16.04
15	15	28	DEAD		9.04	-22.51	25.87
15	15	29	DEAD		-2.	-61.06	15.35
15	15	27	EH		-60.66	0.69	-1.13
15	15	26	EH		-6.36	8.97	-1.85
15	15	28	EH		1.01	6.8	-2.07
15	15	29	EH		-53.22	-1.45	-1.35
16	16	29	DEAD		-18.07	-159.55	25.32
16	16	28	DEAD		13.51	17.98	17.16
16	16	30	DEAD		-13.84	33.37	53.7
16	16	4	DEAD		-46.17	-143.53	61.86
16	16	29	EH		-35.81	27.77	-6.77
16	16	28	EH		-15.22	-16.54	-1.58
16	16	30	EH		7.47	-40.03	-12.14
16	16	4	EH		-12.86	4.27	-17.33
17	17	9	DEAD		-0.35	-3.05	-0.7
17	17	31	DEAD		-0.33	-1.66	-0.73
17	17	32	DEAD		0.51	-1.47	0.75
17	17	10	DEAD		0.5	-2.87	0.77
17	17	9	EH		0.37	-0.45	-0.71
17	17	31	EH		3.14	-0.56	0.28
17	17	32	EH		2.57	0.73	-0.36
17	17	10	EH		-0.22	0.85	-1.35
18	18	10	DEAD		-0.41	-6.21	0.77
18	18	32	DEAD		-0.48	-7.61	0.75
18	18	33	DEAD		0.45	-7.43	-0.76
18	18	12	DEAD		0.48	-6.	-0.74
18	18	10	EH		-1.45	-1.39	-1.66
18	18	32	EH		3.12	-0.45	-7.804E-02
18	18	33	EH		3.82	2.34	-7.325E-02
18	18	12	EH		-0.76	1.38	-1.65
19	19	12	DEAD		-0.51	-12.21	-0.75
19	19	33	DEAD		-0.46	-10.73	-0.78
19	19	34	DEAD		0.46	-10.54	0.79
19	19	14	DEAD		0.49	-12.09	0.81
19	19	12	EH		-2.52	-1.05	-1.76
19	19	33	EH		4.64	9.929E-02	5.749E-02
19	19	34	EH		5.85	3.21	-0.25
19	19	14	EH		-1.34	2.06	-2.07
20	20	14	DEAD		-0.38	-15.32	0.84
20	20	34	DEAD		-0.58	-16.83	0.79
20	20	35	DEAD		0.47	-16.84	-0.83
20	20	16	DEAD		0.55	-15.25	-0.79
20	20	14	EH		-3.26	-1.	-2.1
20	20	34	EH		6.75	1.18	-0.21
20	20	35	EH		7.96	4.36	3.891E-02
20	20	16	EH		-2.06	2.17	-1.85
21	21	16	DEAD		-0.45	-21.6	-0.85

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
21	21	35	DEAD		-0.47	-20.2	-0.84
21	21	36	DEAD		0.52	20.39	0.78
21	21	18	DEAD		0.7	-21.89	0.77
21	21	16	EH		-4.03	-0.47	-1.87
21	21	35	EH		8.9	1.83	7.432E-02
21	21	36	EH		10.08	5.21	-0.21
21	21	18	EH		-2.9	2.93	-2.15
22	22	18	DEAD		-0.3	-25.22	0.66
22	22	36	DEAD		-0.55	-27.45	0.91
22	22	37	DEAD		0.78	-28.07	-1.19
22	22	20	DEAD		0.84	-25.7	-1.43
22	22	18	EH		-4.9	-0.24	-2.11
22	22	36	EH		11.09	3.46	-0.23
22	22	37	EH		12.15	7.42	0.22
22	22	20	EH		-3.83	3.69	-1.67
23	23	20	DEAD		-0.6	-33.05	-1.79
23	23	37	DEAD		-9.463E-02	-32.25	-1.
23	23	38	DEAD		0.71	-32.59	0.71
23	23	22	DEAD		0.43	-33.54	-8.115E-02
23	23	20	EH		-5.61	1.48	-1.43
23	23	37	EH		13.15	5.77	6.455E-02
23	23	38	EH		14.2	10.57	9.573E-02
23	23	22	EH		-4.61	6.31	-1.4
24	24	22	DEAD		-1.11	-37.72	0.22
24	24	38	DEAD		1.907E-02	-39.57	0.78
24	24	39	DEAD		-1.5	-38.45	-0.87
24	24	24	DEAD		-2.9	-36.41	-1.43
24	24	22	EH		-5.79	4.5	-1.06
24	24	38	EH		14.99	10.44	-0.35
24	24	39	EH		16.48	15.53	0.65
24	24	24	EH		-4.27	9.55	-5.802E-02
25	25	24	DEAD		-4.01	-42.71	-0.98
25	25	39	DEAD		-1.07	-35.55	-1.36
25	25	40	DEAD		-12.52	-31.41	6.23
25	25	26	DEAD		-15.15	-38.79	6.62
25	25	24	EH		-4.16	9.87	0.74
25	25	39	EH		16.35	15.09	-0.37
25	25	40	EH		19.45	17.	-0.63
25	25	26	EH		-1.1	11.82	0.49
26	26	26	DEAD		-15.09	-40.45	19.28
26	26	40	DEAD		-6.85	-1.1	3.79
26	26	41	DEAD		-35.73	5.08	13.35
26	26	28	DEAD		-44.31	-34.01	28.85
26	26	26	EH		1.23	14.77	-1.53
26	26	40	EH		16.42	10.6	-2.18
26	26	41	EH		20.82	-0.66	-2.68
26	26	28	EH		5.73	3.46	-2.03
27	27	28	DEAD		-34.46	15.17	20.01
27	27	41	DEAD		-38.28	-7.61	20.34
27	27	42	DEAD		21.68	11.67	-12.39
27	27	30	DEAD		25.53	34.46	-12.72
27	27	28	EH		9.15	-2.1	-1.5
27	27	41	EH		15.88	-2.69	-3.25
27	27	42	EH		-8.41	-54.77	0.71

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
27	27	30	EH		-15.13	-54.11	2.47
28	28	31	DEAD		-0.33	-1.66	0.73
28	28	43	DEAD		-0.35	-3.05	0.7
28	28	44	DEAD		0.5	-2.87	-0.77
28	28	32	DEAD		0.51	-1.47	-0.75
28	28	31	EH		3.14	-0.56	-0.28
28	28	43	EH		0.37	-0.45	0.71
28	28	44	EH		-0.22	0.85	1.35
28	28	32	EH		2.57	0.73	0.36
29	29	32	DEAD		-0.48	-7.61	-0.75
29	29	44	DEAD		-0.41	-6.21	-0.77
29	29	45	DEAD		0.48	-6.	0.74
29	29	33	DEAD		0.45	-7.43	0.76
29	29	32	EH		3.12	-0.45	7.804E-02
29	29	44	EH		-1.45	-1.39	1.66
29	29	45	EH		-0.76	1.38	1.65
29	29	33	EH		3.82	2.34	7.325E-02
30	30	33	DEAD		-0.46	-10.73	0.78
30	30	45	DEAD		-0.51	-12.21	0.75
30	30	46	DEAD		0.49	-12.09	-0.81
30	30	34	DEAD		0.46	-10.54	-0.79
30	30	33	EH		4.64	9.929E-02	-5.749E-02
30	30	45	EH		-2.52	-1.05	1.76
30	30	46	EH		-1.34	2.06	2.07
30	30	34	EH		5.85	3.21	0.25
31	31	34	DEAD		-0.58	-16.83	-0.79
31	31	46	DEAD		-0.38	-15.32	-0.84
31	31	47	DEAD		0.55	-15.25	0.79
31	31	35	DEAD		0.47	-16.84	0.83
31	31	34	EH		6.75	1.18	0.21
31	31	46	EH		-3.26	-1.	2.1
31	31	47	EH		-2.06	2.17	1.85
31	31	35	EH		7.96	4.36	-3.891E-02
32	32	35	DEAD		-0.47	-20.2	0.84
32	32	47	DEAD		-0.45	-21.6	0.85
32	32	48	DEAD		0.7	-21.89	-0.77
32	32	36	DEAD		0.52	-20.39	-0.78
32	32	35	EH		8.9	1.83	-7.432E-02
32	32	47	EH		-4.03	-0.47	1.87
32	32	48	EH		-2.9	2.93	2.15
32	32	36	EH		10.08	5.21	0.21
33	33	36	DEAD		-0.55	-27.45	-0.91
33	33	48	DEAD		-0.3	-25.22	-0.66
33	33	49	DEAD		0.84	-25.7	1.43
33	33	37	DEAD		0.78	-28.07	1.19
33	33	36	EH		11.09	3.46	0.23
33	33	48	EH		-4.9	-0.24	2.11
33	33	49	EH		-3.83	3.69	1.67
33	33	37	EH		12.15	7.42	-0.22
34	34	37	DEAD		-9.463E-02	-32.25	1.
34	34	49	DEAD		-0.6	-33.05	1.79
34	34	50	DEAD		0.43	-33.54	8.115E-02
34	34	38	DEAD		0.71	-32.59	-0.71
34	34	37	EH		13.15	5.77	-6.455E-02

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
34	34	49	EH		-5.61	1.48	1.43
34	34	50	EH		-4.61	6.31	1.4
34	34	38	EH		14.2	10.57	-9.573E-02
35	35	38	DEAD		1.907E-02	-39.57	-0.78
35	35	50	DEAD		-1.11	-37.72	-0.22
35	35	51	DEAD		-2.9	-36.41	1.43
35	35	39	DEAD		-1.5	-38.45	0.87
35	35	38	EH		14.99	10.44	0.35
35	35	50	EH		-5.79	4.5	1.06
35	35	51	EH		-4.27	9.55	5.802E-02
35	35	39	EH		16.48	15.53	-0.65
36	36	39	DEAD		-1.07	-35.55	1.36
36	36	51	DEAD		-4.01	-42.71	0.98
36	36	52	DEAD		-15.15	-38.79	-6.62
36	36	40	DEAD		-12.52	-31.41	-6.23
36	36	39	EH		16.35	15.09	0.37
36	36	51	EH		-4.16	9.87	-0.74
36	36	52	EH		-1.1	11.82	-0.49
36	36	40	EH		19.45	17.	0.63
37	37	40	DEAD		-6.85	-1.1	-3.79
37	37	52	DEAD		-15.09	-40.45	-19.28
37	37	53	DEAD		-44.31	-34.01	-28.85
37	37	41	DEAD		-35.73	5.08	-13.35
37	37	40	EH		16.42	10.6	2.18
37	37	52	EH		1.23	14.77	1.53
37	37	53	EH		5.73	3.46	2.03
37	37	41	EH		20.82	-0.66	2.68
38	38	41	DEAD		-38.28	-7.61	-20.34
38	38	53	DEAD		-34.46	15.17	-20.01
38	38	54	DEAD		25.53	34.46	12.72
38	38	42	DEAD		21.68	11.67	12.39
38	38	41	EH		15.88	-2.69	3.25
38	38	53	EH		9.15	-2.1	1.5
38	38	54	EH		-15.13	-54.11	-2.47
38	38	42	EH		-8.41	-54.77	-0.71
39	39	43	DEAD		-0.34	-3.07	-0.75
39	39	6	DEAD		-0.36	-1.76	-0.77
39	39	55	DEAD		0.46	-1.53	0.69
39	39	44	DEAD		0.5	-2.85	0.71
39	39	43	EH		2.07	1.19	0.48
39	39	6	EH		-4.55	-0.16	0.62
39	39	55	EH		-9.26	-2.29	0.73
39	39	44	EH		-2.59	-0.93	0.6
40	40	44	DEAD		-0.44	-6.21	0.72
40	40	55	DEAD		-0.5	-7.67	0.73
40	40	56	DEAD		0.51	-7.48	-0.74
40	40	45	DEAD		0.52	-5.99	-0.75
40	40	44	EH		1.03	1.09	0.9
40	40	55	EH		-12.28	-1.27	0.79
40	40	56	EH		-17.02	-3.53	1.17
40	40	45	EH		-3.64	-1.18	1.28
41	41	45	DEAD		-0.53	-12.25	-0.76
41	41	56	DEAD		-0.38	-10.92	-0.76
41	41	57	DEAD		0.62	-10.66	0.74

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
41	41	46	DEAD		0.55	-12.04	0.74
41	41	45	EH		0.74	1.73	1.4
41	41	56	EH		-20.63	-2.64	1.15
41	41	57	EH		-25.97	-5.09	0.9
41	41	46	EH		-4.54	-0.71	1.14
42	42	46	DEAD		-0.44	-15.39	0.75
42	42	57	DEAD		-0.3	-16.86	0.78
42	42	58	DEAD		0.86	-16.73	-0.8
42	42	47	DEAD		0.61	-15.18	-0.83
42	42	46	EH		8.372E-02	1.9	1.17
42	42	57	EH		-29.78	-3.64	0.94
42	42	58	EH		-35.37	-6.26	1.21
42	42	47	EH		-5.41	-0.73	1.43
43	43	47	DEAD		-0.54	-21.66	-0.81
43	43	58	DEAD		8.421E-02	-19.87	-0.75
43	43	59	DEAD		1.07	-19.97	0.95
43	43	48	DEAD		0.59	-21.87	0.9
43	43	47	EH		-0.58	2.53	1.46
43	43	58	EH		-39.37	-5.35	1.21
43	43	59	EH		-45.15	-7.95	0.92
43	43	48	EH		-6.3	-6.209E-02	1.17
44	44	48	DEAD		-0.27	-25.1	1.06
44	44	59	DEAD		0.13	-25.71	1.17
44	44	60	DEAD		0.67	-26.72	-0.47
44	44	49	DEAD		9.134E-02	-25.97	-0.58
44	44	48	EH		-1.37	2.78	1.13
44	44	59	EH		-49.27	-6.78	0.79
44	44	60	EH		-55.02	-8.8	1.03
44	44	49	EH		-7.02	0.73	1.38
45	45	49	DEAD		-0.28	-32.42	-0.29
45	45	60	DEAD		-0.59	-28.41	-0.29
45	45	61	DEAD		-1.57	-30.23	1.79
45	45	50	DEAD		-1.01	-34.4	1.78
45	45	49	EH		-2.25	4.23	1.16
45	45	60	EH		-59.12	-8.94	0.7
45	45	61	EH		-63.95	-9.47	0.24
45	45	50	EH		-7.06	3.74	0.7
46	46	50	DEAD		-0.12	-36.37	1.56
46	46	61	DEAD		-3.96	-35.74	1.85
46	46	62	DEAD		-6.81	-37.2	-0.52
46	46	51	DEAD		-3.21	-37.63	-0.81
46	46	50	EH		-3.44	6.16	0.36
46	46	61	EH		-67.2	-10.03	-0.34
46	46	62	EH		-69.23	-8.02	-0.2
46	46	51	EH		-5.39	8.13	0.5
47	47	51	DEAD		-2.35	-42.02	-1.36
47	47	62	DEAD		-9.9	-43.96	-2.38
47	47	63	DEAD		-11.01	-38.46	-4.51
47	47	52	DEAD		-3.13	-36.74	-3.48
47	47	51	EH		-4.66	9.18	-0.26
47	47	62	EH		-70.	-9.26	-0.17
47	47	63	EH		-66.47	-6.11	-8.767E-02
47	47	52	EH		-1.22	12.38	-0.18
48	48	52	DEAD		-5.53	-39.37	-16.04

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
48	48	63	DEAD		-16.98	-77.66	-5.52
48	48	64	DEAD		-2.	-61.06	-15.35
48	48	53	DEAD		9.04	-22.51	-25.87
48	48	52	EH		-6.36	8.97	1.85
48	48	63	EH		-60.66	0.69	1.13
48	48	64	EH		-53.22	-1.45	1.35
48	48	53	EH		1.01	6.8	2.07
49	49	53	DEAD		13.51	17.98	-17.16
49	49	64	DEAD		-18.07	-159.55	-25.32
49	49	1	DEAD		-46.17	-143.53	-61.86
49	49	54	DEAD		-13.84	33.37	-53.7
49	49	53	EH		-15.22	-16.54	1.58
49	49	64	EH		-35.81	27.77	6.77
49	49	1	EH		-12.86	4.27	17.33
49	49	54	EH		7.47	-40.03	12.14
50	50	7	DEAD		-0.36	-1.76	-0.77
50	50	67	DEAD		0.46	-1.53	0.69
50	50	66	DEAD		0.5	-2.85	0.71
50	50	65	DEAD		-0.34	-3.07	-0.75
50	50	7	EH		-4.55	-0.16	0.62
50	50	67	EH		-9.26	-2.29	0.73
50	50	66	EH		-2.59	-0.93	0.6
50	50	65	EH		2.07	1.19	0.48
51	51	67	DEAD		-0.5	-7.67	0.73
51	51	69	DEAD		0.51	-7.48	-0.74
51	51	68	DEAD		0.52	-5.99	-0.75
51	51	66	DEAD		-0.44	-6.21	0.72
51	51	67	EH		-12.28	-1.27	0.79
51	51	69	EH		-17.02	-3.53	1.17
51	51	68	EH		-3.64	-1.18	1.28
51	51	66	EH		1.03	1.09	0.9
52	52	69	DEAD		-0.38	-10.92	-0.76
52	52	71	DEAD		0.62	-10.66	0.74
52	52	70	DEAD		0.55	-12.04	0.74
52	52	68	DEAD		-0.53	-12.25	-0.76
52	52	69	EH		-20.63	-2.64	1.15
52	52	71	EH		-25.97	-5.09	0.9
52	52	70	EH		-4.54	-0.71	1.14
52	52	68	EH		0.74	1.73	1.4
53	53	71	DEAD		-0.3	-16.86	0.78
53	53	73	DEAD		0.86	-16.73	-0.8
53	53	72	DEAD		0.61	-15.18	-0.83
53	53	70	DEAD		-0.44	-15.39	0.75
53	53	71	EH		-29.78	-3.64	0.94
53	53	73	EH		-35.37	-6.26	1.21
53	53	72	EH		-5.41	-0.73	1.43
53	53	70	EH		8.372E-02	1.9	1.17
54	54	73	DEAD		8.421E-02	-19.87	-0.75
54	54	75	DEAD		1.07	-19.97	0.95
54	54	74	DEAD		0.59	-21.87	0.9
54	54	72	DEAD		-0.54	-21.66	-0.81
54	54	73	EH		-39.37	-5.35	1.21
54	54	75	EH		-45.15	-7.95	0.92
54	54	74	EH		-6.3	-6.209E-02	1.17

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
54	54	72	EH		-0.58	2.53	1.46
55	55	75	DEAD		0.13	-25.71	1.17
55	55	77	DEAD		0.67	-26.72	-0.47
55	55	76	DEAD		9.134E-02	-25.97	-0.58
55	55	74	DEAD		-0.27	-25.1	1.06
55	55	75	EH		-49.27	-6.78	0.79
55	55	77	EH		-55.02	-8.8	1.03
55	55	76	EH		-7.02	0.73	1.38
55	55	74	EH		-1.37	2.78	1.13
56	56	77	DEAD		-0.59	-28.41	-0.29
56	56	79	DEAD		-1.57	-30.23	1.79
56	56	78	DEAD		-1.01	-34.4	1.78
56	56	76	DEAD		-0.28	-32.42	-0.29
56	56	77	EH		-59.12	-8.94	0.7
56	56	79	EH		-63.95	-9.47	0.24
56	56	78	EH		-7.06	3.74	0.7
56	56	76	EH		-2.25	4.23	1.16
57	57	79	DEAD		-3.96	-35.74	1.85
57	57	81	DEAD		-6.81	-37.2	-0.52
57	57	80	DEAD		-3.21	-37.63	-0.81
57	57	78	DEAD		-0.12	-36.37	1.56
57	57	79	EH		-67.2	-10.03	-0.34
57	57	81	EH		-69.23	-8.02	-0.2
57	57	80	EH		-5.39	8.13	0.5
57	57	78	EH		-3.44	6.16	0.36
58	58	81	DEAD		-9.9	-43.96	-2.38
58	58	83	DEAD		-11.01	-38.46	-4.51
58	58	82	DEAD		-3.13	-36.74	-3.48
58	58	80	DEAD		-2.35	-42.02	-1.36
58	58	81	EH		-70.	-9.26	-0.17
58	58	83	EH		-66.47	-6.11	-8.767E-02
58	58	82	EH		-1.22	12.38	-0.18
58	58	80	EH		-4.66	9.18	-0.26
59	59	83	DEAD		-16.98	-77.66	-5.52
59	59	85	DEAD		-2.	-61.06	-15.35
59	59	84	DEAD		9.04	-22.51	-25.87
59	59	82	DEAD		-5.53	-39.37	-16.04
59	59	83	EH		-60.66	0.69	1.13
59	59	85	EH		-53.22	-1.45	1.35
59	59	84	EH		1.01	6.8	2.07
59	59	82	EH		-6.36	8.97	1.85
60	60	85	DEAD		-18.07	-159.55	-25.32
60	60	3	DEAD		-46.17	-143.53	-61.86
60	60	86	DEAD		-13.84	33.37	-53.7
60	60	84	DEAD		13.51	17.98	-17.16
60	60	85	EH		-35.81	27.77	6.77
60	60	3	EH		-12.86	4.27	17.33
60	60	86	EH		7.47	-40.03	12.14
60	60	84	EH		-15.22	-16.54	1.58
61	61	65	DEAD		-0.35	-3.05	0.7
61	61	66	DEAD		0.5	-2.87	-0.77
61	61	88	DEAD		0.51	-1.47	-0.75
61	61	87	DEAD		-0.33	-1.66	0.73
61	61	65	EH		0.37	-0.45	0.71

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
61	61	66	EH		-0.22	0.85	1.35
61	61	88	EH		2.57	0.73	0.36
61	61	87	EH		3.14	-0.56	-0.28
62	62	66	DEAD		-0.41	-6.21	-0.77
62	62	68	DEAD		0.48	-6.	0.74
62	62	89	DEAD		0.45	-7.43	0.76
62	62	88	DEAD		-0.48	-7.61	-0.75
62	62	66	EH		-1.45	-1.39	1.66
62	62	68	EH		-0.76	1.38	1.65
62	62	89	EH		3.82	2.34	7.325E-02
62	62	88	EH		3.12	-0.45	7.804E-02
63	63	68	DEAD		-0.51	-12.21	0.75
63	63	70	DEAD		0.49	-12.09	-0.81
63	63	90	DEAD		0.46	-10.54	-0.79
63	63	89	DEAD		-0.46	-10.73	0.78
63	63	68	EH		-2.52	-1.05	1.76
63	63	70	EH		-1.34	2.06	2.07
63	63	90	EH		5.85	3.21	0.25
63	63	89	EH		4.64	9.929E-02	-5.749E-02
64	64	70	DEAD		-0.38	-15.32	-0.84
64	64	72	DEAD		0.55	-15.25	0.79
64	64	91	DEAD		0.47	-16.84	0.83
64	64	90	DEAD		-0.58	-16.83	-0.79
64	64	70	EH		-3.26	-1.	2.1
64	64	72	EH		-2.06	2.17	1.85
64	64	91	EH		7.96	4.36	-3.891E-02
64	64	90	EH		6.75	1.18	0.21
65	65	72	DEAD		-0.45	-21.6	0.85
65	65	74	DEAD		0.7	-21.89	-0.77
65	65	92	DEAD		0.52	-20.39	-0.78
65	65	91	DEAD		-0.47	-20.2	0.84
65	65	72	EH		-4.03	-0.47	1.87
65	65	74	EH		-2.9	2.93	2.15
65	65	92	EH		10.08	5.21	0.21
65	65	91	EH		8.9	1.83	-7.432E-02
66	66	74	DEAD		-0.3	-25.22	-0.66
66	66	76	DEAD		0.84	-25.7	1.43
66	66	93	DEAD		0.78	-28.07	1.19
66	66	92	DEAD		-0.55	-27.45	-0.91
66	66	74	EH		-4.9	-0.24	2.11
66	66	76	EH		-3.83	3.69	1.67
66	66	93	EH		12.15	7.42	-0.22
66	66	92	EH		11.09	3.46	0.23
67	67	76	DEAD		-0.6	-33.05	1.79
67	67	78	DEAD		0.43	-33.54	8.115E-02
67	67	94	DEAD		0.71	-32.59	-0.71
67	67	93	DEAD		-9.463E-02	-32.25	1.
67	67	76	EH		-5.61	1.48	1.43
67	67	78	EH		-4.61	6.31	1.4
67	67	94	EH		14.2	10.57	-9.573E-02
67	67	93	EH		13.15	5.77	-6.455E-02
68	68	78	DEAD		-1.11	-37.72	-0.22
68	68	80	DEAD		-2.9	-36.41	1.43
68	68	95	DEAD		-1.5	-38.45	0.87

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
68	68	94	DEAD		1.907E-02	-39.57	-0.78
68	68	78	EH		-5.79	4.5	1.06
68	68	80	EH		-4.27	9.55	5.802E-02
68	68	95	EH		16.48	15.53	-0.65
68	68	94	EH		14.99	10.44	0.35
69	69	80	DEAD		-4.01	-42.71	0.98
69	69	82	DEAD		-15.15	-38.79	-6.62
69	69	96	DEAD		-12.52	-31.41	-6.23
69	69	95	DEAD		-1.07	-35.55	1.36
69	69	80	EH		-4.16	9.87	-0.74
69	69	82	EH		-1.1	11.82	-0.49
69	69	96	EH		19.45	17.	0.63
69	69	95	EH		16.35	15.09	0.37
70	70	82	DEAD		-15.09	-40.45	-19.28
70	70	84	DEAD		-44.31	-34.01	-28.85
70	70	97	DEAD		-35.73	5.08	-13.35
70	70	96	DEAD		-6.85	-1.1	-3.79
70	70	82	EH		1.23	14.77	1.53
70	70	84	EH		5.73	3.46	2.03
70	70	97	EH		20.82	-0.66	2.68
70	70	96	EH		16.42	10.6	2.18
71	71	84	DEAD		-34.46	15.17	-20.01
71	71	86	DEAD		25.53	34.46	12.72
71	71	98	DEAD		21.68	11.67	12.39
71	71	97	DEAD		-38.28	-7.61	-20.34
71	71	84	EH		9.15	-2.1	1.5
71	71	86	EH		-15.13	-54.11	-2.47
71	71	98	EH		-8.41	-54.77	-0.71
71	71	97	EH		15.88	-2.69	3.25
72	72	87	DEAD		-0.33	-1.66	-0.73
72	72	88	DEAD		0.51	-1.47	0.75
72	72	100	DEAD		0.5	-2.87	0.77
72	72	99	DEAD		-0.35	-3.05	-0.7
72	72	87	EH		3.14	-0.56	0.28
72	72	88	EH		2.57	0.73	-0.36
72	72	100	EH		-0.22	0.85	-1.35
72	72	99	EH		0.37	-0.45	-0.71
73	73	88	DEAD		-0.48	-7.61	0.75
73	73	89	DEAD		0.45	-7.43	-0.76
73	73	101	DEAD		0.48	-6.	-0.74
73	73	100	DEAD		-0.41	-6.21	0.77
73	73	88	EH		3.12	-0.45	-7.804E-02
73	73	89	EH		3.82	2.34	-7.325E-02
73	73	101	EH		-0.76	1.38	-1.65
73	73	100	EH		-1.45	-1.39	-1.66
74	74	89	DEAD		-0.46	-10.73	-0.78
74	74	90	DEAD		0.46	-10.54	0.79
74	74	102	DEAD		0.49	-12.09	0.81
74	74	101	DEAD		-0.51	-12.21	-0.75
74	74	89	EH		4.64	9.929E-02	5.749E-02
74	74	90	EH		5.85	3.21	-0.25
74	74	102	EH		-1.34	2.06	-2.07
74	74	101	EH		-2.52	-1.05	-1.76
75	75	90	DEAD		-0.58	-16.83	0.79

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
75	75	91	DEAD		0.47	-16.84	-0.83
75	75	103	DEAD		0.55	-15.25	-0.79
75	75	102	DEAD		-0.38	-15.32	0.84
75	75	90	EH		6.75	1.18	-0.21
75	75	91	EH		7.96	4.36	3.891E-02
75	75	103	EH		-2.06	2.17	-1.85
75	75	102	EH		-3.26	-1.	-2.1
76	76	91	DEAD		-0.47	-20.2	-0.84
76	76	92	DEAD		0.52	-20.39	0.78
76	76	104	DEAD		0.7	-21.89	0.77
76	76	103	DEAD		-0.45	-21.6	-0.85
76	76	91	EH		8.9	1.83	7.432E-02
76	76	92	EH		10.08	5.21	-0.21
76	76	104	EH		-2.9	2.93	-2.15
76	76	103	EH		-4.03	-0.47	-1.87
77	77	92	DEAD		-0.55	-27.45	0.91
77	77	93	DEAD		0.78	-28.07	-1.19
77	77	105	DEAD		0.84	-25.7	-1.43
77	77	104	DEAD		-0.3	-25.22	0.66
77	77	92	EH		11.09	3.46	-0.23
77	77	93	EH		12.15	7.42	0.22
77	77	105	EH		-3.83	3.69	-1.67
77	77	104	EH		-4.9	-0.24	-2.11
78	78	93	DEAD		-9.463E-02	-32.25	-1.
78	78	94	DEAD		0.71	-32.59	0.71
78	78	106	DEAD		0.43	-33.54	-8.115E-02
78	78	105	DEAD		-0.6	-33.05	-1.79
78	78	93	EH		13.15	5.77	6.455E-02
78	78	94	EH		14.2	10.57	9.573E-02
78	78	106	EH		-4.61	6.31	-1.4
78	78	105	EH		-5.61	1.48	-1.43
79	79	94	DEAD		1.907E-02	-39.57	0.78
79	79	95	DEAD		-1.5	-38.45	-0.87
79	79	107	DEAD		-2.9	-36.41	-1.43
79	79	106	DEAD		-1.11	-37.72	0.22
79	79	94	EH		14.99	10.44	-0.35
79	79	95	EH		16.48	15.53	0.65
79	79	107	EH		-4.27	9.55	-5.802E-02
79	79	106	EH		-5.79	4.5	-1.06
80	80	95	DEAD		-1.07	-35.55	-1.36
80	80	96	DEAD		-12.52	-31.41	6.23
80	80	108	DEAD		-15.15	-38.79	6.62
80	80	107	DEAD		-4.01	-42.71	-0.98
80	80	95	EH		16.35	15.09	-0.37
80	80	96	EH		19.45	17.	-0.63
80	80	108	EH		-1.1	11.82	0.49
80	80	107	EH		-4.16	9.87	0.74
81	81	96	DEAD		-6.85	-1.1	3.79
81	81	97	DEAD		-35.73	5.08	13.35
81	81	109	DEAD		-44.31	-34.01	28.85
81	81	108	DEAD		-15.09	-40.45	19.28
81	81	96	EH		16.42	10.6	-2.18
81	81	97	EH		20.82	-0.66	-2.68
81	81	109	EH		5.73	3.46	-2.03

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
81	81	108	EH		1.23	14.77	-1.53
82	82	97	DEAD		-38.28	-7.61	20.34
82	82	98	DEAD		21.68	11.67	-12.39
82	82	110	DEAD		25.53	34.46	-12.72
82	82	109	DEAD		-34.46	15.17	20.01
82	82	97	EH		15.88	-2.69	-3.25
82	82	98	EH		-8.41	-54.77	0.71
82	82	110	EH		-15.13	-54.11	2.47
82	82	109	EH		9.15	-2.1	-1.5
83	83	99	DEAD		-0.34	-3.07	0.75
83	83	100	DEAD		0.5	-2.85	-0.71
83	83	111	DEAD		0.46	-1.53	-0.69
83	83	8	DEAD		-0.36	-1.76	0.77
83	83	99	EH		2.07	1.19	-0.48
83	83	100	EH		-2.59	-0.93	-0.6
83	83	111	EH		-9.26	-2.29	-0.73
83	83	8	EH		-4.55	-0.16	-0.62
84	84	100	DEAD		-0.44	-6.21	-0.72
84	84	101	DEAD		0.52	-5.99	0.75
84	84	112	DEAD		0.51	-7.48	0.74
84	84	111	DEAD		-0.5	-7.67	-0.73
84	84	100	EH		1.03	1.09	-0.9
84	84	101	EH		-3.64	-1.18	-1.28
84	84	112	EH		-17.02	-3.53	-1.17
84	84	111	EH		-12.28	-1.27	-0.79
85	85	101	DEAD		-0.53	-12.25	0.76
85	85	102	DEAD		0.55	-12.04	-0.74
85	85	113	DEAD		0.62	-10.66	-0.74
85	85	112	DEAD		-0.38	-10.92	0.76
85	85	101	EH		0.74	1.73	-1.4
85	85	102	EH		-4.54	-0.71	-1.14
85	85	113	EH		-25.97	-5.09	-0.9
85	85	112	EH		-20.63	-2.64	-1.15
86	86	102	DEAD		-0.44	-15.39	-0.75
86	86	103	DEAD		0.61	-15.18	0.83
86	86	114	DEAD		0.86	-16.73	0.8
86	86	113	DEAD		-0.3	-16.86	-0.78
86	86	102	EH		8.372E-02	1.9	-1.17
86	86	103	EH		-5.41	-0.73	-1.43
86	86	114	EH		-35.37	-6.26	-1.21
86	86	113	EH		-29.78	-3.64	-0.94
87	87	103	DEAD		-0.54	-21.66	0.81
87	87	104	DEAD		0.59	-21.87	-0.9
87	87	115	DEAD		1.07	-19.97	-0.95
87	87	114	DEAD		8.421E-02	-19.87	0.75
87	87	103	EH		-0.58	2.53	-1.46
87	87	104	EH		-6.3	-6.209E-02	-1.17
87	87	115	EH		-45.15	-7.95	-0.92
87	87	114	EH		-39.37	-5.35	-1.21
88	88	104	DEAD		-0.27	-25.1	-1.06
88	88	105	DEAD		9.134E-02	-25.97	0.58
88	88	116	DEAD		0.67	-26.72	0.47
88	88	115	DEAD		0.13	-25.71	-1.17
88	88	104	EH		-1.37	2.78	-1.13

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
88	88	105	EH		-7.02	0.73	-1.38
88	88	116	EH		-55.02	-8.8	-1.03
88	88	115	EH		-49.27	-6.78	-0.79
89	89	105	DEAD		-0.28	-32.42	0.29
89	89	106	DEAD		-1.01	-34.4	-1.78
89	89	117	DEAD		-1.57	-30.23	-1.79
89	89	116	DEAD		-0.59	-28.41	0.29
89	89	105	EH		-2.25	4.23	-1.16
89	89	106	EH		-7.06	3.74	-0.7
89	89	117	EH		-63.95	-9.47	-0.24
89	89	116	EH		-59.12	-8.94	-0.7
90	90	106	DEAD		-0.12	-36.37	-1.56
90	90	107	DEAD		-3.21	-37.63	0.81
90	90	118	DEAD		-6.81	-37.2	0.52
90	90	117	DEAD		-3.96	-35.74	-1.85
90	90	106	EH		-3.44	6.16	-0.36
90	90	107	EH		-5.39	8.13	-0.5
90	90	118	EH		-69.23	-8.02	0.2
90	90	117	EH		-67.2	-10.03	0.34
91	91	107	DEAD		-2.35	-42.02	1.36
91	91	108	DEAD		-3.13	-36.74	3.48
91	91	119	DEAD		-11.01	-38.46	4.51
91	91	118	DEAD		-9.9	-43.96	2.38
91	91	107	EH		-4.66	9.18	0.26
91	91	108	EH		-1.22	12.38	0.18
91	91	119	EH		-66.47	-6.11	8.767E-02
91	91	118	EH		-70.	-9.26	0.17
92	92	108	DEAD		-5.53	-39.37	16.04
92	92	109	DEAD		9.04	-22.51	25.87
92	92	120	DEAD		-2.	-61.06	15.35
92	92	119	DEAD		-16.98	-77.66	5.52
92	92	108	EH		-6.36	8.97	-1.85
92	92	109	EH		1.01	6.8	-2.07
92	92	120	EH		-53.22	-1.45	-1.35
92	92	119	EH		-60.66	0.69	-1.13
93	93	109	DEAD		13.51	17.98	17.16
93	93	110	DEAD		-13.84	33.37	53.7
93	93	2	DEAD		-46.17	-143.53	61.86
93	93	120	DEAD		-18.07	-159.55	25.32
93	93	109	EH		-15.22	-16.54	-1.58
93	93	110	EH		7.47	-40.03	-12.14
93	93	2	EH		-12.86	4.27	-17.33
93	93	120	EH		-35.81	27.77	-6.77
94	94	5	DEAD		-0.36	-1.76	-0.77
94	94	11	DEAD		0.46	-1.53	0.69
94	94	122	DEAD		0.5	-2.85	0.71
94	94	121	DEAD		-0.34	-3.07	-0.75
94	94	5	EH		-4.55	-0.16	0.62
94	94	11	EH		-9.26	-2.29	0.73
94	94	122	EH		-2.59	-0.93	0.6
94	94	121	EH		2.07	1.19	0.48
95	95	11	DEAD		-0.5	-7.67	0.73
95	95	13	DEAD		0.51	-7.48	-0.74
95	95	123	DEAD		0.52	-5.99	-0.75

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
95	95	122	DEAD		-0.44	-6.21	0.72
95	95	11	EH		-12.28	-1.27	0.79
95	95	13	EH		-17.02	-3.53	1.17
95	95	123	EH		-3.64	-1.18	1.28
95	95	122	EH		1.03	1.09	0.9
96	96	13	DEAD		-0.38	-10.92	-0.76
96	96	15	DEAD		0.62	-10.66	0.74
96	96	124	DEAD		0.55	-12.04	0.74
96	96	123	DEAD		-0.53	-12.25	-0.76
96	96	13	EH		-20.63	-2.64	1.15
96	96	15	EH		-25.97	-5.09	0.9
96	96	124	EH		-4.54	-0.71	1.14
96	96	123	EH		0.74	1.73	1.4
97	97	15	DEAD		-0.3	-16.86	0.78
97	97	17	DEAD		0.86	-16.73	-0.8
97	97	125	DEAD		0.61	-15.18	-0.83
97	97	124	DEAD		-0.44	-15.39	0.75
97	97	15	EH		-29.78	-3.64	0.94
97	97	17	EH		-35.37	-6.26	1.21
97	97	125	EH		-5.41	-0.73	1.43
97	97	124	EH		8.372E-02	1.9	1.17
98	98	17	DEAD		8.421E-02	-19.87	-0.75
98	98	19	DEAD		1.07	-19.97	0.95
98	98	126	DEAD		0.59	-21.87	0.9
98	98	125	DEAD		-0.54	-21.66	-0.81
98	98	17	EH		-39.37	-5.35	1.21
98	98	19	EH		-45.15	-7.95	0.92
98	98	126	EH		-6.3	-6.209E-02	1.17
98	98	125	EH		-0.58	2.53	1.46
99	99	19	DEAD		0.13	-25.71	1.17
99	99	21	DEAD		0.67	-26.72	-0.47
99	99	127	DEAD		9.134E-02	-25.97	-0.58
99	99	126	DEAD		-0.27	-25.1	1.06
99	99	19	EH		-49.27	-6.78	0.79
99	99	21	EH		-55.02	-8.8	1.03
99	99	127	EH		-7.02	0.73	1.38
99	99	126	EH		-1.37	2.78	1.13
100	100	21	DEAD		-0.59	-28.41	-0.29
100	100	23	DEAD		-1.57	-30.23	1.79
100	100	128	DEAD		-1.01	-34.4	1.78
100	100	127	DEAD		-0.28	-32.42	-0.29
100	100	21	EH		-59.12	-8.94	0.7
100	100	23	EH		-63.95	-9.47	0.24
100	100	128	EH		-7.06	3.74	0.7
100	100	127	EH		-2.25	4.23	1.16
101	101	23	DEAD		-3.96	-35.74	1.85
101	101	25	DEAD		-6.81	-37.2	-0.52
101	101	129	DEAD		-3.21	-37.63	-0.81
101	101	128	DEAD		-0.12	-36.37	1.56
101	101	23	EH		-67.2	-10.03	-0.34
101	101	25	EH		-69.23	-8.02	-0.2
101	101	129	EH		-5.39	8.13	0.5
101	101	128	EH		-3.44	6.16	0.36
102	102	25	DEAD		-9.9	-43.96	-2.38

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
102	102	27	DEAD		-11.01	-38.46	-4.51
102	102	130	DEAD		-3.13	-36.74	-3.48
102	102	129	DEAD		-2.35	-42.02	-1.36
102	102	25	EH		-70.	-9.26	-0.17
102	102	27	EH		-66.47	-6.11	-8.767E-02
102	102	130	EH		-1.22	12.38	-0.18
102	102	129	EH		-4.66	9.18	-0.26
103	103	27	DEAD		-16.98	-77.66	-5.52
103	103	29	DEAD		-2.	-61.06	-15.35
103	103	131	DEAD		9.04	-22.51	-25.87
103	103	130	DEAD		-5.53	-39.37	-16.04
103	103	27	EH		-60.66	0.69	1.13
103	103	29	EH		-53.22	-1.45	1.35
103	103	131	EH		1.01	6.8	2.07
103	103	130	EH		-6.36	8.97	1.85
104	104	29	DEAD		-18.07	-159.55	-25.32
104	104	4	DEAD		-46.17	-143.53	-61.86
104	104	132	DEAD		-13.84	33.37	-53.7
104	104	131	DEAD		13.51	17.98	-17.16
104	104	29	EH		-35.81	27.77	6.77
104	104	4	EH		-12.86	4.27	17.33
104	104	132	EH		7.47	-40.03	12.14
104	104	131	EH		-15.22	-16.54	1.58
105	105	121	DEAD		-0.35	-3.05	0.7
105	105	122	DEAD		0.5	-2.87	-0.77
105	105	134	DEAD		0.51	-1.47	-0.75
105	105	133	DEAD		-0.33	-1.66	0.73
105	105	121	EH		0.37	-0.45	0.71
105	105	122	EH		-0.22	0.85	1.35
105	105	134	EH		2.57	0.73	0.36
105	105	133	EH		3.14	-0.56	-0.28
106	106	122	DEAD		-0.41	-6.21	-0.77
106	106	123	DEAD		0.48	-6.	0.74
106	106	135	DEAD		0.45	-7.43	0.76
106	106	134	DEAD		-0.48	-7.61	-0.75
106	106	122	EH		-1.45	-1.39	1.66
106	106	123	EH		-0.76	1.38	1.65
106	106	135	EH		3.82	2.34	7.325E-02
106	106	134	EH		3.12	-0.45	7.804E-02
107	107	123	DEAD		-0.51	-12.21	0.75
107	107	124	DEAD		0.49	-12.09	-0.81
107	107	136	DEAD		0.46	-10.54	-0.79
107	107	135	DEAD		-0.46	-10.73	0.78
107	107	123	EH		-2.52	-1.05	1.76
107	107	124	EH		-1.34	2.06	2.07
107	107	136	EH		5.85	3.21	0.25
107	107	135	EH		4.64	9.929E-02	-5.749E-02
108	108	124	DEAD		-0.38	-15.32	-0.84
108	108	125	DEAD		0.55	-15.25	0.79
108	108	137	DEAD		0.47	-16.84	0.83
108	108	136	DEAD		-0.58	-16.83	-0.79
108	108	124	EH		-3.26	-1.	2.1
108	108	125	EH		-2.06	2.17	1.85
108	108	137	EH		7.96	4.36	-3.891E-02

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
108	108	136	EH		6.75	1.18	0.21
109	109	125	DEAD		-0.45	-21.6	0.85
109	109	126	DEAD		0.7	-21.89	-0.77
109	109	138	DEAD		0.52	-20.39	-0.78
109	109	137	DEAD		-0.47	-20.2	0.84
109	109	125	EH		-4.03	-0.47	1.87
109	109	126	EH		-2.9	2.93	2.15
109	109	138	EH		10.08	5.21	0.21
109	109	137	EH		8.9	1.83	-7.432E-02
110	110	126	DEAD		-0.3	-25.22	-0.66
110	110	127	DEAD		0.84	-25.7	1.43
110	110	139	DEAD		0.78	-28.07	1.19
110	110	138	DEAD		-0.55	-27.45	-0.91
110	110	126	EH		-4.9	-0.24	2.11
110	110	127	EH		-3.83	3.69	1.67
110	110	139	EH		12.15	7.42	-0.22
110	110	138	EH		11.09	3.46	0.23
111	111	127	DEAD		-0.6	-33.05	1.79
111	111	128	DEAD		0.43	-33.54	8.115E-02
111	111	140	DEAD		0.71	-32.59	-0.71
111	111	139	DEAD		-9.463E-02	-32.25	1.
111	111	127	EH		-5.61	1.48	1.43
111	111	128	EH		-4.61	6.31	1.4
111	111	140	EH		14.2	10.57	-9.573E-02
111	111	139	EH		13.15	5.77	-6.455E-02
112	112	128	DEAD		-1.11	-37.72	-0.22
112	112	129	DEAD		-2.9	-36.41	1.43
112	112	141	DEAD		-1.5	-38.45	0.87
112	112	140	DEAD		1.907E-02	-39.57	-0.78
112	112	128	EH		-5.79	4.5	1.06
112	112	129	EH		-4.27	9.55	5.802E-02
112	112	141	EH		16.48	15.53	-0.65
112	112	140	EH		14.99	10.44	0.35
113	113	129	DEAD		-4.01	-42.71	0.98
113	113	130	DEAD		-15.15	-38.79	-6.62
113	113	142	DEAD		-12.52	-31.41	-6.23
113	113	141	DEAD		-1.07	-35.55	1.36
113	113	129	EH		-4.16	9.87	-0.74
113	113	130	EH		-1.1	11.82	-0.49
113	113	142	EH		19.45	17.	0.63
113	113	141	EH		16.35	15.09	0.37
114	114	130	DEAD		-15.09	-40.45	-19.28
114	114	131	DEAD		-44.31	-34.01	-28.85
114	114	143	DEAD		-35.73	5.08	-13.35
114	114	142	DEAD		-6.85	-1.1	-3.79
114	114	130	EH		1.23	14.77	1.53
114	114	131	EH		5.73	3.46	2.03
114	114	143	EH		20.82	-0.66	2.68
114	114	142	EH		16.42	10.6	2.18
115	115	131	DEAD		-34.46	15.17	-20.01
115	115	132	DEAD		25.53	34.46	12.72
115	115	144	DEAD		21.68	11.67	12.39
115	115	143	DEAD		-38.28	-7.61	-20.34
115	115	131	EH		9.15	-2.1	1.5

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
115	115	132	EH		-15.13	-54.11	-2.47
115	115	144	EH		-8.41	-54.77	-0.71
115	115	143	EH		15.88	-2.69	3.25
116	116	133	DEAD		-0.33	-1.66	-0.73
116	116	134	DEAD		0.51	-1.47	0.75
116	116	146	DEAD		0.5	-2.87	0.77
116	116	145	DEAD		-0.35	-3.05	-0.7
116	116	133	EH		3.14	-0.56	0.28
116	116	134	EH		2.57	0.73	-0.36
116	116	146	EH		-0.22	0.85	-1.35
116	116	145	EH		0.37	-0.45	-0.71
117	117	134	DEAD		-0.48	-7.61	0.75
117	117	135	DEAD		0.45	-7.43	-0.76
117	117	147	DEAD		0.48	-6.	-0.74
117	117	146	DEAD		-0.41	-6.21	0.77
117	117	134	EH		3.12	-0.45	-7.804E-02
117	117	135	EH		3.82	2.34	-7.325E-02
117	117	147	EH		-0.76	1.38	-1.65
117	117	146	EH		-1.45	-1.39	-1.66
118	118	135	DEAD		-0.46	-10.73	-0.78
118	118	136	DEAD		0.46	-10.54	0.79
118	118	148	DEAD		0.49	-12.09	0.81
118	118	147	DEAD		-0.51	-12.21	-0.75
118	118	135	EH		4.64	9.929E-02	5.749E-02
118	118	136	EH		5.85	3.21	-0.25
118	118	148	EH		-1.34	2.06	-2.07
118	118	147	EH		-2.52	-1.05	-1.76
119	119	136	DEAD		-0.58	-16.83	0.79
119	119	137	DEAD		0.47	-16.84	-0.83
119	119	149	DEAD		0.55	-15.25	-0.79
119	119	148	DEAD		-0.38	-15.32	0.84
119	119	136	EH		6.75	1.18	-0.21
119	119	137	EH		7.96	4.36	3.891E-02
119	119	149	EH		-2.06	2.17	-1.85
119	119	148	EH		-3.26	-1.	-2.1
120	120	137	DEAD		-0.47	-20.2	-0.84
120	120	138	DEAD		0.52	-20.39	0.78
120	120	150	DEAD		0.7	-21.89	0.77
120	120	149	DEAD		-0.45	-21.6	-0.85
120	120	137	EH		8.9	1.83	7.432E-02
120	120	138	EH		10.08	5.21	-0.21
120	120	150	EH		-2.9	2.93	-2.15
120	120	149	EH		-4.03	-0.47	-1.87
121	121	138	DEAD		-0.55	-27.45	0.91
121	121	139	DEAD		0.78	-28.07	-1.19
121	121	151	DEAD		0.84	-25.7	-1.43
121	121	150	DEAD		-0.3	-25.22	0.66
121	121	138	EH		11.09	3.46	-0.23
121	121	139	EH		12.15	7.42	0.22
121	121	151	EH		-3.83	3.69	-1.67
121	121	150	EH		-4.9	-0.24	-2.11
122	122	139	DEAD		-9.463E-02	-32.25	-1.
122	122	140	DEAD		0.71	-32.59	0.71
122	122	152	DEAD		0.43	-33.54	-8.115E-02

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
122	122	151	DEAD		-0.6	-33.05	-1.79
122	122	139	EH		13.15	5.77	6.455E-02
122	122	140	EH		14.2	10.57	9.573E-02
122	122	152	EH		-4.61	6.31	-1.4
122	122	151	EH		-5.61	1.48	-1.43
123	123	140	DEAD		1.907E-02	-39.57	0.78
123	123	141	DEAD		-1.5	-38.45	-0.87
123	123	153	DEAD		-2.9	-36.41	-1.43
123	123	152	DEAD		-1.11	-37.72	0.22
123	123	140	EH		14.99	10.44	-0.35
123	123	141	EH		16.48	15.53	0.65
123	123	153	EH		-4.27	9.55	-5.802E-02
123	123	152	EH		-5.79	4.5	-1.06
124	124	141	DEAD		-1.07	-35.55	-1.36
124	124	142	DEAD		-12.52	-31.41	6.23
124	124	154	DEAD		-15.15	-38.79	6.62
124	124	153	DEAD		-4.01	-42.71	-0.98
124	124	141	EH		16.35	15.09	-0.37
124	124	142	EH		19.45	17.	-0.63
124	124	154	EH		-1.1	11.82	0.49
124	124	153	EH		-4.16	9.87	0.74
125	125	142	DEAD		-6.85	-1.1	3.79
125	125	143	DEAD		-35.73	5.08	13.35
125	125	155	DEAD		-44.31	-34.01	28.85
125	125	154	DEAD		-15.09	-40.45	19.28
125	125	142	EH		16.42	10.6	-2.18
125	125	143	EH		20.82	-0.66	-2.68
125	125	155	EH		5.73	3.46	-2.03
125	125	154	EH		1.23	14.77	-1.53
126	126	143	DEAD		-38.28	-7.61	20.34
126	126	144	DEAD		21.68	11.67	-12.39
126	126	156	DEAD		25.53	34.46	-12.72
126	126	155	DEAD		-34.46	15.17	20.01
126	126	143	EH		15.88	-2.69	-3.25
126	126	144	EH		-8.41	-54.77	0.71
126	126	156	EH		-15.13	-54.11	2.47
126	126	155	EH		9.15	-2.1	-1.5
127	127	145	DEAD		-0.34	-3.07	0.75
127	127	146	DEAD		0.5	-2.85	-0.71
127	127	67	DEAD		0.46	-1.53	-0.69
127	127	7	DEAD		-0.36	-1.76	0.77
127	127	145	EH		2.07	1.19	-0.48
127	127	146	EH		-2.59	-0.93	-0.6
127	127	67	EH		-9.26	-2.29	-0.73
127	127	7	EH		-4.55	-0.16	-0.62
128	128	146	DEAD		-0.44	-6.21	-0.72
128	128	147	DEAD		0.52	-5.99	0.75
128	128	69	DEAD		0.51	-7.48	0.74
128	128	67	DEAD		-0.5	-7.67	-0.73
128	128	146	EH		1.03	1.09	-0.9
128	128	147	EH		-3.64	-1.18	-1.28
128	128	69	EH		-17.02	-3.53	-1.17
128	128	67	EH		-12.28	-1.27	-0.79
129	129	147	DEAD		-0.53	-12.25	0.76

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
129	129	148	DEAD		0.55	-12.04	-0.74
129	129	71	DEAD		0.62	-10.66	-0.74
129	129	69	DEAD		-0.38	-10.92	0.76
129	129	147	EH		0.74	1.73	-1.4
129	129	148	EH		-4.54	-0.71	-1.14
129	129	71	EH		-25.97	-5.09	-0.9
129	129	69	EH		-20.63	-2.64	-1.15
130	130	148	DEAD		-0.44	-15.39	-0.75
130	130	149	DEAD		0.61	-15.18	0.83
130	130	73	DEAD		0.86	-16.73	0.8
130	130	71	DEAD		-0.3	-16.86	-0.78
130	130	148	EH		8.372E-02	1.9	-1.17
130	130	149	EH		-5.41	-0.73	-1.43
130	130	73	EH		-35.37	-6.26	-1.21
130	130	71	EH		-29.78	-3.64	-0.94
131	131	149	DEAD		-0.54	-21.66	0.81
131	131	150	DEAD		0.59	-21.87	-0.9
131	131	75	DEAD		1.07	-19.97	-0.95
131	131	73	DEAD		8.421E-02	-19.87	0.75
131	131	149	EH		-0.58	2.53	-1.46
131	131	150	EH		-6.3	-6.209E-02	-1.17
131	131	75	EH		-45.15	-7.95	-0.92
131	131	73	EH		-39.37	-5.35	-1.21
132	132	150	DEAD		-0.27	-25.1	-1.06
132	132	151	DEAD		9.134E-02	-25.97	0.58
132	132	77	DEAD		0.67	-26.72	0.47
132	132	75	DEAD		0.13	-25.71	-1.17
132	132	150	EH		-1.37	2.78	-1.13
132	132	151	EH		-7.02	0.73	-1.38
132	132	77	EH		-55.02	-8.8	-1.03
132	132	75	EH		-49.27	-6.78	-0.79
133	133	151	DEAD		-0.28	-32.42	0.29
133	133	152	DEAD		-1.01	-34.4	-1.78
133	133	79	DEAD		-1.57	-30.23	-1.79
133	133	77	DEAD		-0.59	-28.41	0.29
133	133	151	EH		-2.25	4.23	-1.16
133	133	152	EH		-7.06	3.74	-0.7
133	133	79	EH		-63.95	-9.47	-0.24
133	133	77	EH		-59.12	-8.94	-0.7
134	134	152	DEAD		-0.12	-36.37	-1.56
134	134	153	DEAD		-3.21	-37.63	0.81
134	134	81	DEAD		-6.81	-37.2	0.52
134	134	79	DEAD		-3.96	-35.74	-1.85
134	134	152	EH		-3.44	6.16	-0.36
134	134	153	EH		-5.39	8.13	-0.5
134	134	81	EH		-69.23	-8.02	0.2
134	134	79	EH		-67.2	-10.03	0.34
135	135	153	DEAD		-2.35	-42.02	1.36
135	135	154	DEAD		-3.13	-36.74	3.48
135	135	83	DEAD		-11.01	-38.46	4.51
135	135	81	DEAD		-9.9	-43.96	2.38
135	135	153	EH		-4.66	9.18	0.26
135	135	154	EH		-1.22	12.38	0.18
135	135	83	EH		-66.47	-6.11	8.767E-02

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
135	135	81	EH		-70.	-9.26	0.17
136	136	154	DEAD		-5.53	-39.37	16.04
136	136	155	DEAD		9.04	-22.51	25.87
136	136	85	DEAD		-2.	-61.06	15.35
136	136	83	DEAD		-16.98	-77.66	5.52
136	136	154	EH		-6.36	8.97	-1.85
136	136	155	EH		1.01	6.8	-2.07
136	136	85	EH		-53.22	-1.45	-1.35
136	136	83	EH		-60.66	0.69	-1.13
137	137	155	DEAD		13.51	17.98	17.16
137	137	156	DEAD		-13.84	33.37	53.7
137	137	3	DEAD		-46.17	-143.53	61.86
137	137	85	DEAD		-18.07	-159.55	25.32
137	137	155	EH		-15.22	-16.54	-1.58
137	137	156	EH		7.47	-40.03	-12.14
137	137	3	EH		-12.86	4.27	-17.33
137	137	85	EH		-35.81	27.77	-6.77
138	138	6	DEAD		-0.36	-1.76	0.77
138	138	157	DEAD		-0.34	-3.07	0.75
138	138	158	DEAD		0.5	-2.85	-0.71
138	138	55	DEAD		0.46	-1.53	-0.69
138	138	6	EH		-4.55	-0.16	-0.62
138	138	157	EH		2.07	1.19	-0.48
138	138	158	EH		-2.59	-0.93	-0.6
138	138	55	EH		-9.26	-2.29	-0.73
139	139	55	DEAD		-0.5	-7.67	-0.73
139	139	158	DEAD		-0.44	-6.21	-0.72
139	139	159	DEAD		0.52	-5.99	0.75
139	139	56	DEAD		0.51	-7.48	0.74
139	139	55	EH		-12.28	-1.27	-0.79
139	139	158	EH		1.03	1.09	-0.9
139	139	159	EH		-3.64	-1.18	-1.28
139	139	56	EH		-17.02	-3.53	-1.17
140	140	56	DEAD		-0.38	-10.92	0.76
140	140	159	DEAD		-0.53	-12.25	0.76
140	140	160	DEAD		0.55	-12.04	-0.74
140	140	57	DEAD		0.62	-10.66	-0.74
140	140	56	EH		-20.63	-2.64	-1.15
140	140	159	EH		0.74	1.73	-1.4
140	140	160	EH		-4.54	-0.71	-1.14
140	140	57	EH		-25.97	-5.09	-0.9
141	141	57	DEAD		-0.3	-16.86	-0.78
141	141	160	DEAD		-0.44	-15.39	-0.75
141	141	161	DEAD		0.61	-15.18	0.83
141	141	58	DEAD		0.86	-16.73	0.8
141	141	57	EH		-29.78	-3.64	-0.94
141	141	160	EH		8.372E-02	1.9	-1.17
141	141	161	EH		-5.41	-0.73	-1.43
141	141	58	EH		-35.37	-6.26	-1.21
142	142	58	DEAD		8.421E-02	-19.87	0.75
142	142	161	DEAD		-0.54	-21.66	0.81
142	142	162	DEAD		0.59	-21.87	-0.9
142	142	59	DEAD		1.07	-19.97	-0.95
142	142	58	EH		-39.37	-5.35	-1.21

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
142	142	161	EH		-0.58	2.53	-1.46
142	142	162	EH		-6.3	-6.209E-02	-1.17
142	142	59	EH		-45.15	-7.95	-0.92
143	143	59	DEAD		0.13	-25.71	-1.17
143	143	162	DEAD		-0.27	-25.1	-1.06
143	143	163	DEAD		9.134E-02	-25.97	0.58
143	143	60	DEAD		0.67	-26.72	0.47
143	143	59	EH		-49.27	-6.78	-0.79
143	143	162	EH		-1.37	2.78	-1.13
143	143	163	EH		-7.02	0.73	-1.38
143	143	60	EH		-55.02	-8.8	-1.03
144	144	60	DEAD		-0.59	-28.41	0.29
144	144	163	DEAD		-0.28	-32.42	0.29
144	144	164	DEAD		-1.01	-34.4	-1.78
144	144	61	DEAD		-1.57	-30.23	-1.79
144	144	60	EH		-59.12	-8.94	-0.7
144	144	163	EH		-2.25	4.23	-1.16
144	144	164	EH		-7.06	3.74	-0.7
144	144	61	EH		-63.95	-9.47	-0.24
145	145	61	DEAD		-3.96	-35.74	-1.85
145	145	164	DEAD		-0.12	-36.37	-1.56
145	145	165	DEAD		-3.21	-37.63	0.81
145	145	62	DEAD		-6.81	-37.2	0.52
145	145	61	EH		-67.2	-10.03	0.34
145	145	164	EH		-3.44	6.16	-0.36
145	145	165	EH		-5.39	8.13	-0.5
145	145	62	EH		-69.23	-8.02	0.2
146	146	62	DEAD		-9.9	-43.96	2.38
146	146	165	DEAD		-2.35	-42.02	1.36
146	146	166	DEAD		-3.13	-36.74	3.48
146	146	63	DEAD		-11.01	-38.46	4.51
146	146	62	EH		-70.	-9.26	0.17
146	146	165	EH		-4.66	9.18	0.26
146	146	166	EH		-1.22	12.38	0.18
146	146	63	EH		-66.47	-6.11	8.767E-02
147	147	63	DEAD		-16.98	-77.66	5.52
147	147	166	DEAD		-5.53	-39.37	16.04
147	147	167	DEAD		9.04	-22.51	25.87
147	147	64	DEAD		-2.	-61.06	15.35
147	147	63	EH		-60.66	0.69	-1.13
147	147	166	EH		-6.36	8.97	-1.85
147	147	167	EH		1.01	6.8	-2.07
147	147	64	EH		-53.22	-1.45	-1.35
148	148	64	DEAD		-18.07	-159.55	25.32
148	148	167	DEAD		13.51	17.98	17.16
148	148	168	DEAD		-13.84	33.37	53.7
148	148	1	DEAD		-46.17	-143.53	61.86
148	148	64	EH		-35.81	27.77	-6.77
148	148	167	EH		-15.22	-16.54	-1.58
148	148	168	EH		7.47	-40.03	-12.14
148	148	1	EH		-12.86	4.27	-17.33
149	149	157	DEAD		-0.35	-3.05	-0.7
149	149	169	DEAD		-0.33	-1.66	-0.73
149	149	170	DEAD		0.51	-1.47	0.75

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
149	149	158	DEAD		0.5	-2.87	0.77
149	149	157	EH		0.37	-0.45	-0.71
149	149	169	EH		3.14	-0.56	0.28
149	149	170	EH		2.57	0.73	-0.36
149	149	158	EH		-0.22	0.85	-1.35
150	150	158	DEAD		-0.41	-6.21	0.77
150	150	170	DEAD		-0.48	-7.61	0.75
150	150	171	DEAD		0.45	-7.43	-0.76
150	150	159	DEAD		0.48	-6.	-0.74
150	150	158	EH		-1.45	-1.39	-1.66
150	150	170	EH		3.12	-0.45	-7.804E-02
150	150	171	EH		3.82	2.34	-7.325E-02
150	150	159	EH		-0.76	1.38	-1.65
151	151	159	DEAD		-0.51	-12.21	-0.75
151	151	171	DEAD		-0.46	-10.73	-0.78
151	151	172	DEAD		0.46	-10.54	0.79
151	151	160	DEAD		0.49	-12.09	0.81
151	151	159	EH		-2.52	-1.05	-1.76
151	151	171	EH		4.64	9.929E-02	5.749E-02
151	151	172	EH		5.85	3.21	-0.25
151	151	160	EH		-1.34	2.06	-2.07
152	152	160	DEAD		-0.38	-15.32	0.84
152	152	172	DEAD		-0.58	-16.83	0.79
152	152	173	DEAD		0.47	-16.84	-0.83
152	152	161	DEAD		0.55	-15.25	-0.79
152	152	160	EH		-3.26	-1.	-2.1
152	152	172	EH		6.75	1.18	-0.21
152	152	173	EH		7.96	4.36	3.891E-02
152	152	161	EH		-2.06	2.17	-1.85
153	153	161	DEAD		-0.45	-21.6	-0.85
153	153	173	DEAD		-0.47	-20.2	-0.84
153	153	174	DEAD		0.52	-20.39	0.78
153	153	162	DEAD		0.7	-21.89	0.77
153	153	161	EH		-4.03	-0.47	-1.87
153	153	173	EH		8.9	1.83	7.432E-02
153	153	174	EH		10.08	5.21	-0.21
153	153	162	EH		-2.9	2.93	-2.15
154	154	162	DEAD		-0.3	-25.22	0.66
154	154	174	DEAD		-0.55	-27.45	0.91
154	154	175	DEAD		0.78	-28.07	-1.19
154	154	163	DEAD		0.84	-25.7	-1.43
154	154	162	EH		-4.9	-0.24	-2.11
154	154	174	EH		11.09	3.46	-0.23
154	154	175	EH		12.15	7.42	0.22
154	154	163	EH		-3.83	3.69	-1.67
155	155	163	DEAD		-0.6	-33.05	-1.79
155	155	175	DEAD		-9.463E-02	-32.25	-1.
155	155	176	DEAD		0.71	-32.59	0.71
155	155	164	DEAD		0.43	-33.54	-8.115E-02
155	155	163	EH		-5.61	1.48	-1.43
155	155	175	EH		13.15	5.77	6.455E-02
155	155	176	EH		14.2	10.57	9.573E-02
155	155	164	EH		-4.61	6.31	-1.4
156	156	164	DEAD		-1.11	-37.72	0.22

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
156	156	176	DEAD		1.907E-02	-39.57	0.78
156	156	177	DEAD		-1.5	-38.45	-0.87
156	156	165	DEAD		-2.9	-36.41	-1.43
156	156	164	EH		-5.79	4.5	-1.06
156	156	176	EH		14.99	10.44	-0.35
156	156	177	EH		16.48	15.53	0.65
156	156	165	EH		-4.27	9.55	-5.802E-02
157	157	165	DEAD		-4.01	-42.71	-0.98
157	157	177	DEAD		-1.07	-35.55	-1.36
157	157	178	DEAD		-12.52	-31.41	6.23
157	157	166	DEAD		-15.15	-38.79	6.62
157	157	165	EH		-4.16	9.87	0.74
157	157	177	EH		16.35	15.09	-0.37
157	157	178	EH		19.45	17.	-0.63
157	157	166	EH		-1.1	11.82	0.49
158	158	166	DEAD		-15.09	-40.45	19.28
158	158	178	DEAD		-6.85	-1.1	3.79
158	158	179	DEAD		-35.73	5.08	13.35
158	158	167	DEAD		-44.31	-34.01	28.85
158	158	166	EH		1.23	14.77	-1.53
158	158	178	EH		16.42	10.6	-2.18
158	158	179	EH		20.82	-0.66	-2.68
158	158	167	EH		5.73	3.46	-2.03
159	159	167	DEAD		-34.46	15.17	20.01
159	159	179	DEAD		-38.28	-7.61	20.34
159	159	180	DEAD		21.68	11.67	-12.39
159	159	168	DEAD		25.53	34.46	-12.72
159	159	167	EH		9.15	-2.1	-1.5
159	159	179	EH		15.88	-2.69	-3.25
159	159	180	EH		-8.41	-54.77	0.71
159	159	168	EH		-15.13	-54.11	2.47
160	160	169	DEAD		-0.33	-1.66	0.73
160	160	181	DEAD		-0.35	-3.05	0.7
160	160	182	DEAD		0.5	-2.87	-0.77
160	160	170	DEAD		0.51	-1.47	-0.75
160	160	169	EH		3.14	-0.56	-0.28
160	160	181	EH		0.37	-0.45	0.71
160	160	182	EH		-0.22	0.85	1.35
160	160	170	EH		2.57	0.73	0.36
161	161	170	DEAD		-0.48	-7.61	-0.75
161	161	182	DEAD		-0.41	-6.21	-0.77
161	161	183	DEAD		0.48	-6.	0.74
161	161	171	DEAD		0.45	-7.43	0.76
161	161	170	EH		3.12	-0.45	7.804E-02
161	161	182	EH		-1.45	-1.39	1.66
161	161	183	EH		-0.76	1.38	1.65
161	161	171	EH		3.82	2.34	7.325E-02
162	162	171	DEAD		-0.46	-10.73	0.78
162	162	183	DEAD		-0.51	-12.21	0.75
162	162	184	DEAD		0.49	-12.09	-0.81
162	162	172	DEAD		0.46	-10.54	-0.79
162	162	171	EH		4.64	9.929E-02	-5.749E-02
162	162	183	EH		-2.52	-1.05	1.76
162	162	184	EH		-1.34	2.06	2.07

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
162	162	172	EH		5.85	3.21	0.25
163	163	172	DEAD		-0.58	16.83	-0.79
163	163	184	DEAD		-0.38	-15.32	-0.84
163	163	185	DEAD		0.55	-15.25	0.79
163	163	173	DEAD		0.47	-16.84	0.83
163	163	172	EH		6.75	1.18	0.21
163	163	184	EH		-3.26	-1.	2.1
163	163	185	EH		-2.06	2.17	1.85
163	163	173	EH		7.96	4.36	-3.891E-02
164	164	173	DEAD		-0.47	-20.2	0.84
164	164	185	DEAD		-0.45	-21.6	0.85
164	164	186	DEAD		0.7	-21.89	-0.77
164	164	174	DEAD		0.52	-20.39	-0.78
164	164	173	EH		8.9	1.83	-7.432E-02
164	164	185	EH		-4.03	-0.47	1.87
164	164	186	EH		-2.9	2.93	2.15
164	164	174	EH		10.08	5.21	0.21
165	165	174	DEAD		-0.55	-27.45	-0.91
165	165	186	DEAD		-0.3	-25.22	-0.66
165	165	187	DEAD		0.84	-25.7	1.43
165	165	175	DEAD		0.78	-28.07	1.19
165	165	174	EH		11.09	3.46	0.23
165	165	186	EH		-4.9	-0.24	2.11
165	165	187	EH		-3.83	3.69	1.67
165	165	175	EH		12.15	7.42	-0.22
166	166	175	DEAD		-9.463E-02	-32.25	1.
166	166	187	DEAD		-0.6	-33.05	1.79
166	166	188	DEAD		0.43	-33.54	8.115E-02
166	166	176	DEAD		0.71	-32.59	-0.71
166	166	175	EH		13.15	5.77	-6.455E-02
166	166	187	EH		-5.61	1.48	1.43
166	166	188	EH		-4.61	6.31	1.4
166	166	176	EH		14.2	10.57	-9.573E-02
167	167	176	DEAD		1.907E-02	-39.57	-0.78
167	167	188	DEAD		-1.11	-37.72	-0.22
167	167	189	DEAD		-2.9	-36.41	1.43
167	167	177	DEAD		-1.5	-38.45	0.87
167	167	176	EH		14.99	10.44	0.35
167	167	188	EH		-5.79	4.5	1.06
167	167	189	EH		-4.27	9.55	5.802E-02
167	167	177	EH		16.48	15.53	-0.65
168	168	177	DEAD		-1.07	-35.55	1.36
168	168	189	DEAD		-4.01	-42.71	0.98
168	168	190	DEAD		-15.15	-38.79	-6.62
168	168	178	DEAD		-12.52	-31.41	-6.23
168	168	177	EH		16.35	15.09	0.37
168	168	189	EH		-4.16	9.87	-0.74
168	168	190	EH		-1.1	11.82	-0.49
168	168	178	EH		19.45	17.	0.63
169	169	178	DEAD		-6.85	-1.1	-3.79
169	169	190	DEAD		-15.09	-40.45	-19.28
169	169	191	DEAD		-44.31	-34.01	-28.85
169	169	179	DEAD		-35.73	5.08	-13.35
169	169	178	EH		16.42	10.6	2.18

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
169	169	190	EH		1.23	14.77	1.53
169	169	191	EH		5.73	3.46	2.03
169	169	179	EH		20.82	-0.66	2.68
170	170	179	DEAD		-38.28	-7.61	-20.34
170	170	191	DEAD		-34.46	15.17	-20.01
170	170	192	DEAD		25.53	34.46	12.72
170	170	180	DEAD		21.68	11.67	12.39
170	170	179	EH		15.88	-2.69	3.25
170	170	191	EH		9.15	-2.1	1.5
170	170	192	EH		-15.13	-54.11	-2.47
170	170	180	EH		-8.41	-54.77	-0.71
171	171	181	DEAD		-0.34	-3.07	-0.75
171	171	8	DEAD		-0.36	-1.76	-0.77
171	171	111	DEAD		0.46	-1.53	0.69
171	171	182	DEAD		0.5	-2.85	0.71
171	171	181	EH		2.07	1.19	0.48
171	171	8	EH		-4.55	-0.16	0.62
171	171	111	EH		-9.26	-2.29	0.73
171	171	182	EH		-2.59	-0.93	0.6
172	172	182	DEAD		-0.44	-6.21	0.72
172	172	111	DEAD		-0.5	-7.67	0.73
172	172	112	DEAD		0.51	-7.48	-0.74
172	172	183	DEAD		0.52	-5.99	-0.75
172	172	182	EH		1.03	1.09	0.9
172	172	111	EH		-12.28	-1.27	0.79
172	172	112	EH		-17.02	-3.53	1.17
172	172	183	EH		-3.64	-1.18	1.28
173	173	183	DEAD		-0.53	-12.25	-0.76
173	173	112	DEAD		-0.38	-10.92	-0.76
173	173	113	DEAD		0.62	-10.66	0.74
173	173	184	DEAD		0.55	-12.04	0.74
173	173	183	EH		0.74	1.73	1.4
173	173	112	EH		-20.63	-2.64	1.15
173	173	113	EH		-25.97	-5.09	0.9
173	173	184	EH		-4.54	-0.71	1.14
174	174	184	DEAD		-0.44	-15.39	0.75
174	174	113	DEAD		-0.3	-16.86	0.78
174	174	114	DEAD		0.86	-16.73	-0.8
174	174	185	DEAD		0.61	-15.18	-0.83
174	174	184	EH		8.372E-02	1.9	1.17
174	174	113	EH		-29.78	-3.64	0.94
174	174	114	EH		-35.37	-6.26	1.21
174	174	185	EH		-5.41	-0.73	1.43
175	175	185	DEAD		-0.54	-21.66	-0.81
175	175	114	DEAD		8.421E-02	-19.87	-0.75
175	175	115	DEAD		1.07	-19.97	0.95
175	175	186	DEAD		0.59	-21.87	0.9
175	175	185	EH		-0.58	2.53	1.46
175	175	114	EH		-39.37	-5.35	1.21
175	175	115	EH		-45.15	-7.95	0.92
175	175	186	EH		-6.3	-6.209E-02	1.17
176	176	186	DEAD		-0.27	-25.1	1.06
176	176	115	DEAD		0.13	-25.71	1.17
176	176	116	DEAD		0.67	-26.72	-0.47

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
176	176	187	DEAD		9.134E-02	-25.97	-0.58
176	176	186	EH		-1.37	2.78	1.13
176	176	115	EH		-49.27	-6.78	0.79
176	176	116	EH		-55.02	-8.8	1.03
176	176	187	EH		-7.02	0.73	1.38
177	177	187	DEAD		-0.28	-32.42	-0.29
177	177	116	DEAD		-0.59	-28.41	-0.29
177	177	117	DEAD		-1.57	-30.23	1.79
177	177	188	DEAD		-1.01	-34.4	1.78
177	177	187	EH		-2.25	4.23	1.16
177	177	116	EH		-59.12	-8.94	0.7
177	177	117	EH		-63.95	-9.47	0.24
177	177	188	EH		-7.06	3.74	0.7
178	178	188	DEAD		-0.12	-36.37	1.56
178	178	117	DEAD		-3.96	-35.74	1.85
178	178	118	DEAD		-6.81	-37.2	-0.52
178	178	189	DEAD		-3.21	-37.63	-0.81
178	178	188	EH		-3.44	6.16	0.36
178	178	117	EH		-67.2	-10.03	-0.34
178	178	118	EH		-69.23	-8.02	-0.2
178	178	189	EH		-5.39	8.13	0.5
179	179	189	DEAD		-2.35	-42.02	-1.36
179	179	118	DEAD		-9.9	-43.96	-2.38
179	179	119	DEAD		-11.01	-38.46	-4.51
179	179	190	DEAD		-3.13	-36.74	-3.48
179	179	189	EH		-4.66	9.18	-0.26
179	179	118	EH		-70.	-9.26	-0.17
179	179	119	EH		-66.47	-6.11	-8.767E-02
179	179	190	EH		-1.22	12.38	-0.18
180	180	190	DEAD		-5.53	-39.37	-16.04
180	180	119	DEAD		-16.98	-77.66	-5.52
180	180	120	DEAD		-2.	-61.06	-15.35
180	180	191	DEAD		9.04	-22.51	-25.87
180	180	190	EH		-6.36	8.97	1.85
180	180	119	EH		-60.66	0.69	1.13
180	180	120	EH		-53.22	-1.45	1.35
180	180	191	EH		1.01	6.8	2.07
181	181	191	DEAD		13.51	17.98	-17.16
181	181	120	DEAD		-18.07	-159.55	-25.32
181	181	2	DEAD		-46.17	-143.53	-61.86
181	181	192	DEAD		-13.84	33.37	-53.7
181	181	191	EH		-15.22	-16.54	1.58
181	181	120	EH		-35.81	27.77	6.77
181	181	2	EH		-12.86	4.27	17.33
181	181	192	EH		7.47	-40.03	12.14
182	182	1	DEAD		53.29	53.29	-21.26
182	182	168	DEAD		-47.34	42.62	-15.79
182	182	193	DEAD		-57.25	-57.25	-10.32
182	182	54	DEAD		42.62	-47.34	-15.79
182	182	1	EH		-28.44	-28.44	12.04
182	182	168	EH		11.58	-41.79	6.76
182	182	193	EH		-1.8	-1.8	1.47
182	182	54	EH		-41.79	11.58	6.76
183	183	54	DEAD		-3.53	-41.17	-17.11

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
183	183	193	DEAD		-3.82	-27.06	-13.7
183	183	194	DEAD		-5.67	-29.78	0.56
183	183	42	DEAD		-5.31	-43.74	-2.85
183	183	54	EH		-47.31	-4.24	3.39
183	183	193	EH		2.58	8.31	1.51
183	183	194	EH		-1.8	13.51	5.120E-02
183	183	42	EH		-51.77	0.94	1.94
184	184	42	DEAD		-5.31	-43.74	2.85
184	184	194	DEAD		-5.67	-29.78	-0.56
184	184	195	DEAD		-3.82	-27.06	13.7
184	184	30	DEAD		-3.53	-41.17	17.11
184	184	42	EH		-51.77	0.94	-1.94
184	184	194	EH		-1.8	13.51	-5.120E-02
184	184	195	EH		2.58	8.31	-1.51
184	184	30	EH		-47.31	-4.24	-3.39
185	185	30	DEAD		42.62	-47.34	15.79
185	185	195	DEAD		-57.25	-57.25	10.32
185	185	132	DEAD		-47.34	42.62	15.79
185	185	4	DEAD		53.29	53.29	21.26
185	185	30	EH		-41.79	11.58	-6.76
185	185	195	EH		-1.8	-1.8	-1.47
185	185	132	EH		11.58	-41.79	-6.76
185	185	4	EH		-28.44	-28.44	-12.04
186	186	168	DEAD		-41.17	-3.53	-17.11
186	186	180	DEAD		-43.74	-5.31	-2.85
186	186	196	DEAD		-29.78	-5.67	0.56
186	186	193	DEAD		-27.06	-3.82	-13.7
186	186	168	EH		-4.24	-47.31	3.39
186	186	180	EH		0.94	-51.77	1.94
186	186	196	EH		13.51	-1.8	5.120E-02
186	186	193	EH		8.31	2.58	1.51
187	187	193	DEAD		-27.39	-27.39	-15.71
187	187	196	DEAD		-36.17	-15.72	-5.6
187	187	197	DEAD		-24.44	-24.44	4.51
187	187	194	DEAD		-15.72	-36.17	-5.6
187	187	193	EH		4.5	4.5	1.32
187	187	196	EH		19.01	4.71	1.12
187	187	197	EH		19.23	19.23	0.92
187	187	194	EH		4.71	19.01	1.12
188	188	194	DEAD		-15.72	-36.17	5.6
188	188	197	DEAD		-24.44	-24.44	-4.51
188	188	198	DEAD		-36.17	-15.72	5.6
188	188	195	DEAD		-27.39	-27.39	15.71
188	188	194	EH		4.71	19.01	-1.12
188	188	197	EH		19.23	19.23	-0.92
188	188	198	EH		19.01	4.71	-1.12
188	188	195	EH		4.5	4.5	-1.32
189	189	195	DEAD		-27.06	-3.82	13.7
189	189	198	DEAD		-29.78	-5.67	-0.56
189	189	144	DEAD		-43.74	-5.31	2.85
189	189	132	DEAD		-41.17	-3.53	17.11
189	189	195	EH		8.31	2.58	-1.51
189	189	198	EH		13.51	-1.8	-5.120E-02
189	189	144	EH		0.94	-51.77	-1.94

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
189	189	132	EH		-4.24	-47.31	-3.39
190	190	180	DEAD		-43.74	-5.31	2.85
190	190	192	DEAD		-41.17	-3.53	17.11
190	190	199	DEAD		-27.06	-3.82	13.7
190	190	196	DEAD		-29.78	-5.67	-0.56
190	190	180	EH		0.94	-51.77	-1.94
190	190	192	EH		-4.24	-47.31	-3.39
190	190	199	EH		8.31	2.58	-1.51
190	190	196	EH		13.51	-1.8	-5.120E-02
191	191	196	DEAD		-36.17	-15.72	5.6
191	191	199	DEAD		-27.39	-27.39	15.71
191	191	200	DEAD		-15.72	-36.17	5.6
191	191	197	DEAD		-24.44	-24.44	-4.51
191	191	196	EH		19.01	4.71	-1.12
191	191	199	EH		4.5	4.5	-1.32
191	191	200	EH		4.71	19.01	-1.12
191	191	197	EH		19.23	19.23	-0.92
192	192	197	DEAD		-24.44	-24.44	4.51
192	192	200	DEAD		-15.72	-36.17	-5.6
192	192	201	DEAD		-27.39	-27.39	-15.71
192	192	198	DEAD		-36.17	-15.72	-5.6
192	192	197	EH		19.23	19.23	0.92
192	192	200	EH		4.71	19.01	1.12
192	192	201	EH		4.5	4.5	1.32
192	192	198	EH		19.01	4.71	1.12
193	193	198	DEAD		-29.78	-5.67	0.56
193	193	201	DEAD		-27.06	-3.82	-13.7
193	193	156	DEAD		-41.17	-3.53	-17.11
193	193	144	DEAD		-43.74	-5.31	-2.85
193	193	198	EH		13.51	-1.8	5.120E-02
193	193	201	EH		8.31	2.58	1.51
193	193	156	EH		-4.24	-47.31	3.39
193	193	144	EH		0.94	-51.77	1.94
194	194	192	DEAD		-47.34	42.62	15.79
194	194	2	DEAD		53.29	53.29	21.26
194	194	110	DEAD		42.62	-47.34	15.79
194	194	199	DEAD		-57.25	-57.25	10.32
194	194	192	EH		11.58	-41.79	-6.76
194	194	2	EH		-28.44	-28.44	-12.04
194	194	110	EH		-41.79	11.58	-6.76
194	194	199	EH		-1.8	-1.8	-1.47
195	195	199	DEAD		-3.82	-27.06	13.7
195	195	110	DEAD		-3.53	-41.17	17.11
195	195	98	DEAD		-5.31	-43.74	2.85
195	195	200	DEAD		-5.67	-29.78	-0.56
195	195	199	EH		2.58	8.31	-1.51
195	195	110	EH		-47.31	-4.24	-3.39
195	195	98	EH		-51.77	0.94	-1.94
195	195	200	EH		-1.8	13.51	-5.120E-02
196	196	200	DEAD		-5.67	-29.78	0.56
196	196	98	DEAD		-5.31	-43.74	-2.85
196	196	86	DEAD		-3.53	-41.17	-17.11
196	196	201	DEAD		-3.82	-27.06	-13.7
196	196	200	EH		-1.8	13.51	5.120E-02

Table 19: Element Stresses - Area Shells, Part 2 of 3

Area	AreaElem	Joint	OutputCase	StepType	S11Bot KN/m2	S22Bot KN/m2	S12Bot KN/m2
196	196	98	EH		-51.77	0.94	1.94
196	196	86	EH		-47.31	-4.24	3.39
196	196	201	EH		2.58	8.31	1.51
197	197	201	DEAD		-57.25	-57.25	-10.32
197	197	86	DEAD		42.62	-47.34	-15.79
197	197	3	DEAD		53.29	53.29	-21.26
197	197	156	DEAD		-47.34	42.62	-15.79
197	197	201	EH		-1.8	-1.8	1.47
197	197	86	EH		-41.79	11.58	6.76
197	197	3	EH		-28.44	-28.44	12.04
197	197	156	EH		11.58	-41.79	6.76

Table 19: Element Stresses - Area Shells, Part 3 of 3

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
6	6	5	DEAD		-6.722E-04	1.130E-02
6	6	9	DEAD		-6.722E-04	1.130E-02
6	6	10	DEAD		-6.722E-04	1.130E-02
6	6	11	DEAD		-6.722E-04	1.130E-02
6	6	5	EH		1.26	-0.27
6	6	9	EH		1.26	-0.27
6	6	10	EH		1.26	-0.27
6	6	11	EH		1.26	-0.27
7	7	11	DEAD		5.855E-03	2.029E-03
7	7	10	DEAD		5.855E-03	2.029E-03
7	7	12	DEAD		5.855E-03	2.029E-03
7	7	13	DEAD		5.855E-03	2.029E-03
7	7	11	EH		2.53	-0.32
7	7	10	EH		2.53	-0.32
7	7	12	EH		2.53	-0.32
7	7	13	EH		2.53	-0.32
8	8	13	DEAD		-2.697E-02	5.594E-03
8	8	12	DEAD		-2.697E-02	5.594E-03
8	8	14	DEAD		-2.697E-02	5.594E-03
8	8	15	DEAD		-2.697E-02	5.594E-03
8	8	13	EH		4.08	-0.34
8	8	12	EH		4.08	-0.34
8	8	14	EH		4.08	-0.34
8	8	15	EH		4.08	-0.34
9	9	15	DEAD		-3.569E-02	-6.897E-03
9	9	14	DEAD		-3.569E-02	-6.897E-03
9	9	16	DEAD		-3.569E-02	-6.897E-03
9	9	17	DEAD		-3.569E-02	-6.897E-03
9	9	15	EH		5.7	-0.37
9	9	14	EH		5.7	-0.37
9	9	16	EH		5.7	-0.37
9	9	17	EH		5.7	-0.37
10	10	17	DEAD		-0.1	-6.277E-02
10	10	16	DEAD		-0.1	-6.277E-02
10	10	18	DEAD		-0.1	-6.277E-02
10	10	19	DEAD		-0.1	-6.277E-02

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
10	10	17	EH		7.39	-0.36
10	10	16	EH		7.39	-0.36
10	10	18	EH		7.39	-0.36
10	10	19	EH		7.39	-0.36
11	11	19	DEAD		-5.969E-02	-0.19
11	11	18	DEAD		-5.969E-02	-0.19
11	11	20	DEAD		-5.969E-02	-0.19
11	11	21	DEAD		-5.969E-02	-0.19
11	11	19	EH		9.12	-0.26
11	11	18	EH		9.12	-0.26
11	11	20	EH		9.12	-0.26
11	11	21	EH		9.12	-0.26
12	12	21	DEAD		0.16	-0.34
12	12	20	DEAD		0.16	-0.34
12	12	22	DEAD		0.16	-0.34
12	12	23	DEAD		0.16	-0.34
12	12	21	EH		10.78	-6.803E-03
12	12	20	EH		10.78	-6.803E-03
12	12	22	EH		10.78	-6.803E-03
12	12	23	EH		10.78	-6.803E-03
13	13	23	DEAD		0.85	-0.17
13	13	22	DEAD		0.85	-0.17
13	13	24	DEAD		0.85	-0.17
13	13	25	DEAD		0.85	-0.17
13	13	23	EH		12.02	0.38
13	13	22	EH		12.02	0.38
13	13	24	EH		12.02	0.38
13	13	25	EH		12.02	0.38
14	14	25	DEAD		1.39	1.
14	14	24	DEAD		1.39	1.
14	14	26	DEAD		1.39	1.
14	14	27	DEAD		1.39	1.
14	14	25	EH		12.29	0.49
14	14	24	EH		12.29	0.49
14	14	26	EH		12.29	0.49
14	14	27	EH		12.29	0.49
15	15	27	DEAD		0.99	2.69
15	15	26	DEAD		0.99	2.69
15	15	28	DEAD		0.99	2.69
15	15	29	DEAD		0.99	2.69
15	15	27	EH		10.48	-0.45
15	15	26	EH		10.48	-0.45
15	15	28	EH		10.48	-0.45
15	15	29	EH		10.48	-0.45
16	16	29	DEAD		-1.59	3.35
16	16	28	DEAD		-1.59	3.35
16	16	30	DEAD		-1.59	3.35
16	16	4	DEAD		-1.59	3.35
16	16	29	EH		5.81	-4.73
16	16	28	EH		5.81	-4.73
16	16	30	EH		5.81	-4.73
16	16	4	EH		5.81	-4.73
17	17	9	DEAD		6.066E-03	1.365E-03
17	17	31	DEAD		6.066E-03	1.365E-03

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
17	17	32	DEAD		6.066E-03	1.365E-03
17	17	10	DEAD		6.066E-03	1.365E-03
17	17	9	EH		0.53	0.31
17	17	31	EH		0.53	0.31
17	17	32	EH		0.53	0.31
17	17	10	EH		0.53	0.31
18	18	10	DEAD		-1.314E-02	9.167E-04
18	18	32	DEAD		-1.314E-02	9.167E-04
18	18	33	DEAD		-1.314E-02	9.167E-04
18	18	12	DEAD		-1.314E-02	9.167E-04
18	18	10	EH		0.87	0.55
18	18	32	EH		0.87	0.55
18	18	33	EH		0.87	0.55
18	18	12	EH		0.87	0.55
19	19	12	DEAD		5.087E-03	-7.366E-03
19	19	33	DEAD		5.087E-03	-7.366E-03
19	19	34	DEAD		5.087E-03	-7.366E-03
19	19	14	DEAD		5.087E-03	-7.366E-03
19	19	12	EH		1.36	0.6
19	19	33	EH		1.36	0.6
19	19	34	EH		1.36	0.6
19	19	14	EH		1.36	0.6
20	20	14	DEAD		-2.938E-02	-3.182E-02
20	20	34	DEAD		-2.938E-02	-3.182E-02
20	20	35	DEAD		-2.938E-02	-3.182E-02
20	20	16	DEAD		-2.938E-02	-3.182E-02
20	20	14	EH		1.91	0.62
20	20	34	EH		1.91	0.62
20	20	35	EH		1.91	0.62
20	20	16	EH		1.91	0.62
21	21	16	DEAD		-1.124E-02	-8.184E-02
21	21	35	DEAD		-1.124E-02	-8.184E-02
21	21	36	DEAD		-1.124E-02	-8.184E-02
21	21	18	DEAD		-1.124E-02	-8.184E-02
21	21	16	EH		2.46	0.66
21	21	35	EH		2.46	0.66
21	21	36	EH		2.46	0.66
21	21	18	EH		2.46	0.66
22	22	18	DEAD		-1.797E-02	-0.13
22	22	36	DEAD		-1.797E-02	-0.13
22	22	37	DEAD		-1.797E-02	-0.13
22	22	20	DEAD		-1.797E-02	-0.13
22	22	18	EH		3.03	0.77
22	22	36	EH		3.03	0.77
22	22	37	EH		3.03	0.77
22	22	20	EH		3.03	0.77
23	23	20	DEAD		0.11	-7.765E-02
23	23	37	DEAD		0.11	-7.765E-02
23	23	38	DEAD		0.11	-7.765E-02
23	23	22	DEAD		0.11	-7.765E-02
23	23	20	EH		3.55	0.91
23	23	37	EH		3.55	0.91
23	23	38	EH		3.55	0.91
23	23	22	EH		3.55	0.91

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
24	24	22	DEAD		0.25	0.31
24	24	38	DEAD		0.25	0.31
24	24	39	DEAD		0.25	0.31
24	24	24	DEAD		0.25	0.31
24	24	22	EH		3.92	0.89
24	24	38	EH		3.92	0.89
24	24	39	EH		3.92	0.89
24	24	24	EH		3.92	0.89
25	25	24	DEAD		0.39	1.11
25	25	39	DEAD		0.39	1.11
25	25	40	DEAD		0.39	1.11
25	25	26	DEAD		0.39	1.11
25	25	24	EH		3.91	0.18
25	25	39	EH		3.91	0.18
25	25	40	EH		3.91	0.18
25	25	26	EH		3.91	0.18
26	26	26	DEAD		0.2	1.9
26	26	40	DEAD		0.2	1.9
26	26	41	DEAD		0.2	1.9
26	26	28	DEAD		0.2	1.9
26	26	26	EH		3.25	-2.36
26	26	40	EH		3.25	-2.36
26	26	41	EH		3.25	-2.36
26	26	28	EH		3.25	-2.36
27	27	28	DEAD		-0.53	1.71
27	27	41	DEAD		-0.53	1.71
27	27	42	DEAD		-0.53	1.71
27	27	30	DEAD		-0.53	1.71
27	27	28	EH		1.32	-8.63
27	27	41	EH		1.32	-8.63
27	27	42	EH		1.32	-8.63
27	27	30	EH		1.32	-8.63
28	28	31	DEAD		-6.066E-03	1.365E-03
28	28	43	DEAD		-6.066E-03	1.365E-03
28	28	44	DEAD		-6.066E-03	1.365E-03
28	28	32	DEAD		-6.066E-03	1.365E-03
28	28	31	EH		-0.53	0.31
28	28	43	EH		-0.53	0.31
28	28	44	EH		-0.53	0.31
28	28	32	EH		-0.53	0.31
29	29	32	DEAD		1.314E-02	9.167E-04
29	29	44	DEAD		1.314E-02	9.167E-04
29	29	45	DEAD		1.314E-02	9.167E-04
29	29	33	DEAD		1.314E-02	9.167E-04
29	29	32	EH		-0.87	0.55
29	29	44	EH		-0.87	0.55
29	29	45	EH		-0.87	0.55
29	29	33	EH		-0.87	0.55
30	30	33	DEAD		-5.087E-03	-7.366E-03
30	30	45	DEAD		-5.087E-03	-7.366E-03
30	30	46	DEAD		-5.087E-03	-7.366E-03
30	30	34	DEAD		-5.087E-03	-7.366E-03
30	30	33	EH		-1.36	0.6
30	30	45	EH		-1.36	0.6

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
30	30	46	EH		-1.36	0.6
30	30	34	EH		-1.36	0.6
31	31	34	DEAD		2.938E-02	-3.182E-02
31	31	46	DEAD		2.938E-02	-3.182E-02
31	31	47	DEAD		2.938E-02	-3.182E-02
31	31	35	DEAD		2.938E-02	-3.182E-02
31	31	34	EH		-1.91	0.62
31	31	46	EH		-1.91	0.62
31	31	47	EH		-1.91	0.62
31	31	35	EH		-1.91	0.62
32	32	35	DEAD		1.124E-02	-8.184E-02
32	32	47	DEAD		1.124E-02	-8.184E-02
32	32	48	DEAD		1.124E-02	-8.184E-02
32	32	36	DEAD		1.124E-02	-8.184E-02
32	32	35	EH		-2.46	0.66
32	32	47	EH		-2.46	0.66
32	32	48	EH		-2.46	0.66
32	32	36	EH		-2.46	0.66
33	33	36	DEAD		1.797E-02	-0.13
33	33	48	DEAD		1.797E-02	-0.13
33	33	49	DEAD		1.797E-02	-0.13
33	33	37	DEAD		1.797E-02	-0.13
33	33	36	EH		-3.03	0.77
33	33	48	EH		-3.03	0.77
33	33	49	EH		-3.03	0.77
33	33	37	EH		-3.03	0.77
34	34	37	DEAD		-0.11	-7.765E-02
34	34	49	DEAD		-0.11	-7.765E-02
34	34	50	DEAD		-0.11	-7.765E-02
34	34	38	DEAD		-0.11	-7.765E-02
34	34	37	EH		-3.55	0.91
34	34	49	EH		-3.55	0.91
34	34	50	EH		-3.55	0.91
34	34	38	EH		-3.55	0.91
35	35	38	DEAD		-0.25	0.31
35	35	50	DEAD		-0.25	0.31
35	35	51	DEAD		-0.25	0.31
35	35	39	DEAD		-0.25	0.31
35	35	38	EH		-3.92	0.89
35	35	50	EH		-3.92	0.89
35	35	51	EH		-3.92	0.89
35	35	39	EH		-3.92	0.89
36	36	39	DEAD		-0.39	1.11
36	36	51	DEAD		-0.39	1.11
36	36	52	DEAD		-0.39	1.11
36	36	40	DEAD		-0.39	1.11
36	36	39	EH		-3.91	0.18
36	36	51	EH		-3.91	0.18
36	36	52	EH		-3.91	0.18
36	36	40	EH		-3.91	0.18
37	37	40	DEAD		-0.2	1.9
37	37	52	DEAD		-0.2	1.9
37	37	53	DEAD		-0.2	1.9
37	37	41	DEAD		-0.2	1.9

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
37	37	40	EH		-3.25	-2.36
37	37	52	EH		-3.25	-2.36
37	37	53	EH		-3.25	-2.36
37	37	41	EH		-3.25	-2.36
38	38	41	DEAD		0.53	1.71
38	38	53	DEAD		0.53	1.71
38	38	54	DEAD		0.53	1.71
38	38	42	DEAD		0.53	1.71
38	38	41	EH		-1.32	-8.63
38	38	53	EH		-1.32	-8.63
38	38	54	EH		-1.32	-8.63
38	38	42	EH		-1.32	-8.63
39	39	43	DEAD		6.722E-04	1.130E-02
39	39	6	DEAD		6.722E-04	1.130E-02
39	39	55	DEAD		6.722E-04	1.130E-02
39	39	44	DEAD		6.722E-04	1.130E-02
39	39	43	EH		-1.26	-0.27
39	39	6	EH		-1.26	-0.27
39	39	55	EH		-1.26	-0.27
39	39	44	EH		-1.26	-0.27
40	40	44	DEAD		-5.855E-03	2.029E-03
40	40	55	DEAD		-5.855E-03	2.029E-03
40	40	56	DEAD		-5.855E-03	2.029E-03
40	40	45	DEAD		-5.855E-03	2.029E-03
40	40	44	EH		-2.53	-0.32
40	40	55	EH		-2.53	-0.32
40	40	56	EH		-2.53	-0.32
40	40	45	EH		-2.53	-0.32
41	41	45	DEAD		2.697E-02	5.594E-03
41	41	56	DEAD		2.697E-02	5.594E-03
41	41	57	DEAD		2.697E-02	5.594E-03
41	41	46	DEAD		2.697E-02	5.594E-03
41	41	45	EH		-4.08	-0.34
41	41	56	EH		-4.08	-0.34
41	41	57	EH		-4.08	-0.34
41	41	46	EH		-4.08	-0.34
42	42	46	DEAD		3.569E-02	-6.897E-03
42	42	57	DEAD		3.569E-02	-6.897E-03
42	42	58	DEAD		3.569E-02	-6.897E-03
42	42	47	DEAD		3.569E-02	-6.897E-03
42	42	46	EH		-5.7	-0.37
42	42	57	EH		-5.7	-0.37
42	42	58	EH		-5.7	-0.37
42	42	47	EH		-5.7	-0.37
43	43	47	DEAD		0.1	-6.277E-02
43	43	58	DEAD		0.1	-6.277E-02
43	43	59	DEAD		0.1	-6.277E-02
43	43	48	DEAD		0.1	-6.277E-02
43	43	47	EH		-7.39	-0.36
43	43	58	EH		-7.39	-0.36
43	43	59	EH		-7.39	-0.36
43	43	48	EH		-7.39	-0.36
44	44	48	DEAD		5.969E-02	-0.19
44	44	59	DEAD		5.969E-02	-0.19

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
44	44	60	DEAD		5.969E-02	-0.19
44	44	49	DEAD		5.969E-02	-0.19
44	44	48	EH		-9.12	-0.26
44	44	59	EH		-9.12	-0.26
44	44	60	EH		-9.12	-0.26
44	44	49	EH		-9.12	-0.26
45	45	49	DEAD		-0.16	-0.34
45	45	60	DEAD		-0.16	-0.34
45	45	61	DEAD		-0.16	-0.34
45	45	50	DEAD		-0.16	-0.34
45	45	49	EH		-10.78	-6.803E-03
45	45	60	EH		-10.78	-6.803E-03
45	45	61	EH		-10.78	-6.803E-03
45	45	50	EH		-10.78	-6.803E-03
46	46	50	DEAD		-0.85	-0.17
46	46	61	DEAD		-0.85	-0.17
46	46	62	DEAD		-0.85	-0.17
46	46	51	DEAD		-0.85	-0.17
46	46	50	EH		-12.02	0.38
46	46	61	EH		-12.02	0.38
46	46	62	EH		-12.02	0.38
46	46	51	EH		-12.02	0.38
47	47	51	DEAD		-1.39	1.
47	47	62	DEAD		-1.39	1.
47	47	63	DEAD		-1.39	1.
47	47	52	DEAD		-1.39	1.
47	47	51	EH		-12.29	0.49
47	47	62	EH		-12.29	0.49
47	47	63	EH		-12.29	0.49
47	47	52	EH		-12.29	0.49
48	48	52	DEAD		-0.99	2.69
48	48	63	DEAD		-0.99	2.69
48	48	64	DEAD		-0.99	2.69
48	48	53	DEAD		-0.99	2.69
48	48	52	EH		-10.48	-0.45
48	48	63	EH		-10.48	-0.45
48	48	64	EH		-10.48	-0.45
48	48	53	EH		-10.48	-0.45
49	49	53	DEAD		1.59	3.35
49	49	64	DEAD		1.59	3.35
49	49	1	DEAD		1.59	3.35
49	49	54	DEAD		1.59	3.35
49	49	53	EH		-5.81	-4.73
49	49	64	EH		-5.81	-4.73
49	49	1	EH		-5.81	-4.73
49	49	54	EH		-5.81	-4.73
50	50	7	DEAD		6.722E-04	1.130E-02
50	50	67	DEAD		6.722E-04	1.130E-02
50	50	66	DEAD		6.722E-04	1.130E-02
50	50	65	DEAD		6.722E-04	1.130E-02
50	50	7	EH		-1.26	-0.27
50	50	67	EH		-1.26	-0.27
50	50	66	EH		-1.26	-0.27
50	50	65	EH		-1.26	-0.27

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
51	51	67	DEAD		-5.855E-03	2.029E-03
51	51	69	DEAD		-5.855E-03	2.029E-03
51	51	68	DEAD		-5.855E-03	2.029E-03
51	51	66	DEAD		-5.855E-03	2.029E-03
51	51	67	EH		-2.53	-0.32
51	51	69	EH		-2.53	-0.32
51	51	68	EH		-2.53	-0.32
51	51	66	EH		-2.53	-0.32
52	52	69	DEAD		2.697E-02	5.594E-03
52	52	71	DEAD		2.697E-02	5.594E-03
52	52	70	DEAD		2.697E-02	5.594E-03
52	52	68	DEAD		2.697E-02	5.594E-03
52	52	69	EH		-4.08	-0.34
52	52	71	EH		-4.08	-0.34
52	52	70	EH		-4.08	-0.34
52	52	68	EH		-4.08	-0.34
53	53	71	DEAD		3.569E-02	-6.897E-03
53	53	73	DEAD		3.569E-02	-6.897E-03
53	53	72	DEAD		3.569E-02	-6.897E-03
53	53	70	DEAD		3.569E-02	-6.897E-03
53	53	71	EH		-5.7	-0.37
53	53	73	EH		-5.7	-0.37
53	53	72	EH		-5.7	-0.37
53	53	70	EH		-5.7	-0.37
54	54	73	DEAD		0.1	-6.277E-02
54	54	75	DEAD		0.1	-6.277E-02
54	54	74	DEAD		0.1	-6.277E-02
54	54	72	DEAD		0.1	-6.277E-02
54	54	73	EH		-7.39	-0.36
54	54	75	EH		-7.39	-0.36
54	54	74	EH		-7.39	-0.36
54	54	72	EH		-7.39	-0.36
55	55	75	DEAD		5.969E-02	-0.19
55	55	77	DEAD		5.969E-02	-0.19
55	55	76	DEAD		5.969E-02	-0.19
55	55	74	DEAD		5.969E-02	-0.19
55	55	75	EH		-9.12	-0.26
55	55	77	EH		-9.12	-0.26
55	55	76	EH		-9.12	-0.26
55	55	74	EH		-9.12	-0.26
56	56	77	DEAD		-0.16	-0.34
56	56	79	DEAD		-0.16	-0.34
56	56	78	DEAD		-0.16	-0.34
56	56	76	DEAD		-0.16	-0.34
56	56	77	EH		-10.78	-6.803E-03
56	56	79	EH		-10.78	-6.803E-03
56	56	78	EH		-10.78	-6.803E-03
56	56	76	EH		-10.78	-6.803E-03
57	57	79	DEAD		-0.85	-0.17
57	57	81	DEAD		-0.85	-0.17
57	57	80	DEAD		-0.85	-0.17
57	57	78	DEAD		-0.85	-0.17
57	57	79	EH		-12.02	0.38
57	57	81	EH		-12.02	0.38

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
57	57	80	EH		-12.02	0.38
57	57	78	EH		-12.02	0.38
58	58	81	DEAD		-1.39	1.
58	58	83	DEAD		-1.39	1.
58	58	82	DEAD		-1.39	1.
58	58	80	DEAD		-1.39	1.
58	58	81	EH		-12.29	0.49
58	58	83	EH		-12.29	0.49
58	58	82	EH		-12.29	0.49
58	58	80	EH		-12.29	0.49
59	59	83	DEAD		-0.99	2.69
59	59	85	DEAD		-0.99	2.69
59	59	84	DEAD		-0.99	2.69
59	59	82	DEAD		-0.99	2.69
59	59	83	EH		-10.48	-0.45
59	59	85	EH		-10.48	-0.45
59	59	84	EH		-10.48	-0.45
59	59	82	EH		-10.48	-0.45
60	60	85	DEAD		1.59	3.35
60	60	3	DEAD		1.59	3.35
60	60	86	DEAD		1.59	3.35
60	60	84	DEAD		1.59	3.35
60	60	85	EH		-5.81	-4.73
60	60	3	EH		-5.81	-4.73
60	60	86	EH		-5.81	-4.73
60	60	84	EH		-5.81	-4.73
61	61	65	DEAD		-6.066E-03	1.365E-03
61	61	66	DEAD		-6.066E-03	1.365E-03
61	61	88	DEAD		-6.066E-03	1.365E-03
61	61	87	DEAD		-6.066E-03	1.365E-03
61	61	65	EH		-0.53	0.31
61	61	66	EH		-0.53	0.31
61	61	88	EH		-0.53	0.31
61	61	87	EH		-0.53	0.31
62	62	66	DEAD		1.314E-02	9.167E-04
62	62	68	DEAD		1.314E-02	9.167E-04
62	62	89	DEAD		1.314E-02	9.167E-04
62	62	88	DEAD		1.314E-02	9.167E-04
62	62	66	EH		-0.87	0.55
62	62	68	EH		-0.87	0.55
62	62	89	EH		-0.87	0.55
62	62	88	EH		-0.87	0.55
63	63	68	DEAD		-5.087E-03	-7.366E-03
63	63	70	DEAD		-5.087E-03	-7.366E-03
63	63	90	DEAD		-5.087E-03	-7.366E-03
63	63	89	DEAD		-5.087E-03	-7.366E-03
63	63	68	EH		-1.36	0.6
63	63	70	EH		-1.36	0.6
63	63	90	EH		-1.36	0.6
63	63	89	EH		-1.36	0.6
64	64	70	DEAD		2.938E-02	-3.182E-02
64	64	72	DEAD		2.938E-02	-3.182E-02
64	64	91	DEAD		2.938E-02	-3.182E-02
64	64	90	DEAD		2.938E-02	-3.182E-02

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
64	64	70	EH		-1.91	0.62
64	64	72	EH		-1.91	0.62
64	64	91	EH		-1.91	0.62
64	64	90	EH		-1.91	0.62
65	65	72	DEAD		1.124E-02	-8.184E-02
65	65	74	DEAD		1.124E-02	-8.184E-02
65	65	92	DEAD		1.124E-02	-8.184E-02
65	65	91	DEAD		1.124E-02	-8.184E-02
65	65	72	EH		-2.46	0.66
65	65	74	EH		-2.46	0.66
65	65	92	EH		-2.46	0.66
65	65	91	EH		-2.46	0.66
66	66	74	DEAD		1.797E-02	-0.13
66	66	76	DEAD		1.797E-02	-0.13
66	66	93	DEAD		1.797E-02	-0.13
66	66	92	DEAD		1.797E-02	-0.13
66	66	74	EH		-3.03	0.77
66	66	76	EH		-3.03	0.77
66	66	93	EH		-3.03	0.77
66	66	92	EH		-3.03	0.77
67	67	76	DEAD		-0.11	-7.765E-02
67	67	78	DEAD		-0.11	-7.765E-02
67	67	94	DEAD		-0.11	-7.765E-02
67	67	93	DEAD		-0.11	-7.765E-02
67	67	76	EH		-3.55	0.91
67	67	78	EH		-3.55	0.91
67	67	94	EH		-3.55	0.91
67	67	93	EH		-3.55	0.91
68	68	78	DEAD		-0.25	0.31
68	68	80	DEAD		-0.25	0.31
68	68	95	DEAD		-0.25	0.31
68	68	94	DEAD		-0.25	0.31
68	68	78	EH		-3.92	0.89
68	68	80	EH		-3.92	0.89
68	68	95	EH		-3.92	0.89
68	68	94	EH		-3.92	0.89
69	69	80	DEAD		-0.39	1.11
69	69	82	DEAD		-0.39	1.11
69	69	96	DEAD		-0.39	1.11
69	69	95	DEAD		-0.39	1.11
69	69	80	EH		-3.91	0.18
69	69	82	EH		-3.91	0.18
69	69	96	EH		-3.91	0.18
69	69	95	EH		-3.91	0.18
70	70	82	DEAD		-0.2	1.9
70	70	84	DEAD		-0.2	1.9
70	70	97	DEAD		-0.2	1.9
70	70	96	DEAD		-0.2	1.9
70	70	82	EH		-3.25	-2.36
70	70	84	EH		-3.25	-2.36
70	70	97	EH		-3.25	-2.36
70	70	96	EH		-3.25	-2.36
71	71	84	DEAD		0.53	1.71
71	71	86	DEAD		0.53	1.71

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
71	71	98	DEAD		0.53	1.71
71	71	97	DEAD		0.53	1.71
71	71	84	EH		-1.32	-8.63
71	71	86	EH		-1.32	-8.63
71	71	98	EH		-1.32	-8.63
71	71	97	EH		-1.32	-8.63
72	72	87	DEAD		6.066E-03	1.365E-03
72	72	88	DEAD		6.066E-03	1.365E-03
72	72	100	DEAD		6.066E-03	1.365E-03
72	72	99	DEAD		6.066E-03	1.365E-03
72	72	87	EH		0.53	0.31
72	72	88	EH		0.53	0.31
72	72	100	EH		0.53	0.31
72	72	99	EH		0.53	0.31
73	73	88	DEAD		-1.314E-02	9.167E-04
73	73	89	DEAD		-1.314E-02	9.167E-04
73	73	101	DEAD		-1.314E-02	9.167E-04
73	73	100	DEAD		-1.314E-02	9.167E-04
73	73	88	EH		0.87	0.55
73	73	89	EH		0.87	0.55
73	73	101	EH		0.87	0.55
73	73	100	EH		0.87	0.55
74	74	89	DEAD		5.087E-03	-7.366E-03
74	74	90	DEAD		5.087E-03	-7.366E-03
74	74	102	DEAD		5.087E-03	-7.366E-03
74	74	101	DEAD		5.087E-03	-7.366E-03
74	74	89	EH		1.36	0.6
74	74	90	EH		1.36	0.6
74	74	102	EH		1.36	0.6
74	74	101	EH		1.36	0.6
75	75	90	DEAD		-2.938E-02	-3.182E-02
75	75	91	DEAD		-2.938E-02	-3.182E-02
75	75	103	DEAD		-2.938E-02	-3.182E-02
75	75	102	DEAD		-2.938E-02	-3.182E-02
75	75	90	EH		1.91	0.62
75	75	91	EH		1.91	0.62
75	75	103	EH		1.91	0.62
75	75	102	EH		1.91	0.62
76	76	91	DEAD		-1.124E-02	-8.184E-02
76	76	92	DEAD		-1.124E-02	-8.184E-02
76	76	104	DEAD		-1.124E-02	-8.184E-02
76	76	103	DEAD		-1.124E-02	-8.184E-02
76	76	91	EH		2.46	0.66
76	76	92	EH		2.46	0.66
76	76	104	EH		2.46	0.66
76	76	103	EH		2.46	0.66
77	77	92	DEAD		-1.797E-02	-0.13
77	77	93	DEAD		-1.797E-02	-0.13
77	77	105	DEAD		-1.797E-02	-0.13
77	77	104	DEAD		-1.797E-02	-0.13
77	77	92	EH		3.03	0.77
77	77	93	EH		3.03	0.77
77	77	105	EH		3.03	0.77
77	77	104	EH		3.03	0.77

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
78	78	93	DEAD		0.11	-7.765E-02
78	78	94	DEAD		0.11	-7.765E-02
78	78	106	DEAD		0.11	-7.765E-02
78	78	105	DEAD		0.11	-7.765E-02
78	78	93	EH		3.55	0.91
78	78	94	EH		3.55	0.91
78	78	106	EH		3.55	0.91
78	78	105	EH		3.55	0.91
79	79	94	DEAD		0.25	0.31
79	79	95	DEAD		0.25	0.31
79	79	107	DEAD		0.25	0.31
79	79	106	DEAD		0.25	0.31
79	79	94	EH		3.92	0.89
79	79	95	EH		3.92	0.89
79	79	107	EH		3.92	0.89
79	79	106	EH		3.92	0.89
80	80	95	DEAD		0.39	1.11
80	80	96	DEAD		0.39	1.11
80	80	108	DEAD		0.39	1.11
80	80	107	DEAD		0.39	1.11
80	80	95	EH		3.91	0.18
80	80	96	EH		3.91	0.18
80	80	108	EH		3.91	0.18
80	80	107	EH		3.91	0.18
81	81	96	DEAD		0.2	1.9
81	81	97	DEAD		0.2	1.9
81	81	109	DEAD		0.2	1.9
81	81	108	DEAD		0.2	1.9
81	81	96	EH		3.25	-2.36
81	81	97	EH		3.25	-2.36
81	81	109	EH		3.25	-2.36
81	81	108	EH		3.25	-2.36
82	82	97	DEAD		-0.53	1.71
82	82	98	DEAD		-0.53	1.71
82	82	110	DEAD		-0.53	1.71
82	82	109	DEAD		-0.53	1.71
82	82	97	EH		1.32	-8.63
82	82	98	EH		1.32	-8.63
82	82	110	EH		1.32	-8.63
82	82	109	EH		1.32	-8.63
83	83	99	DEAD		-6.722E-04	1.130E-02
83	83	100	DEAD		-6.722E-04	1.130E-02
83	83	111	DEAD		-6.722E-04	1.130E-02
83	83	8	DEAD		-6.722E-04	1.130E-02
83	83	99	EH		1.26	-0.27
83	83	100	EH		1.26	-0.27
83	83	111	EH		1.26	-0.27
83	83	8	EH		1.26	-0.27
84	84	100	DEAD		5.855E-03	2.029E-03
84	84	101	DEAD		5.855E-03	2.029E-03
84	84	112	DEAD		5.855E-03	2.029E-03
84	84	111	DEAD		5.855E-03	2.029E-03
84	84	100	EH		2.53	-0.32
84	84	101	EH		2.53	-0.32

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
84	84	112	EH		2.53	-0.32
84	84	111	EH		2.53	-0.32
85	85	101	DEAD		-2.697E-02	5.594E-03
85	85	102	DEAD		-2.697E-02	5.594E-03
85	85	113	DEAD		-2.697E-02	5.594E-03
85	85	112	DEAD		-2.697E-02	5.594E-03
85	85	101	EH		4.08	-0.34
85	85	102	EH		4.08	-0.34
85	85	113	EH		4.08	-0.34
85	85	112	EH		4.08	-0.34
86	86	102	DEAD		-3.569E-02	-6.897E-03
86	86	103	DEAD		-3.569E-02	-6.897E-03
86	86	114	DEAD		-3.569E-02	-6.897E-03
86	86	113	DEAD		-3.569E-02	-6.897E-03
86	86	102	EH		5.7	-0.37
86	86	103	EH		5.7	-0.37
86	86	114	EH		5.7	-0.37
86	86	113	EH		5.7	-0.37
87	87	103	DEAD		-0.1	-6.277E-02
87	87	104	DEAD		-0.1	-6.277E-02
87	87	115	DEAD		-0.1	-6.277E-02
87	87	114	DEAD		-0.1	-6.277E-02
87	87	103	EH		7.39	-0.36
87	87	104	EH		7.39	-0.36
87	87	115	EH		7.39	-0.36
87	87	114	EH		7.39	-0.36
88	88	104	DEAD		-5.969E-02	-0.19
88	88	105	DEAD		-5.969E-02	-0.19
88	88	116	DEAD		-5.969E-02	-0.19
88	88	115	DEAD		-5.969E-02	-0.19
88	88	104	EH		9.12	-0.26
88	88	105	EH		9.12	-0.26
88	88	116	EH		9.12	-0.26
88	88	115	EH		9.12	-0.26
89	89	105	DEAD		0.16	-0.34
89	89	106	DEAD		0.16	-0.34
89	89	117	DEAD		0.16	-0.34
89	89	116	DEAD		0.16	-0.34
89	89	105	EH		10.78	-6.803E-03
89	89	106	EH		10.78	-6.803E-03
89	89	117	EH		10.78	-6.803E-03
89	89	116	EH		10.78	-6.803E-03
90	90	106	DEAD		0.85	-0.17
90	90	107	DEAD		0.85	-0.17
90	90	118	DEAD		0.85	-0.17
90	90	117	DEAD		0.85	-0.17
90	90	106	EH		12.02	0.38
90	90	107	EH		12.02	0.38
90	90	118	EH		12.02	0.38
90	90	117	EH		12.02	0.38
91	91	107	DEAD		1.39	1.
91	91	108	DEAD		1.39	1.
91	91	119	DEAD		1.39	1.
91	91	118	DEAD		1.39	1.

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
91	91	107	EH		12.29	0.49
91	91	108	EH		12.29	0.49
91	91	119	EH		12.29	0.49
91	91	118	EH		12.29	0.49
92	92	108	DEAD		0.99	2.69
92	92	109	DEAD		0.99	2.69
92	92	120	DEAD		0.99	2.69
92	92	119	DEAD		0.99	2.69
92	92	108	EH		10.48	-0.45
92	92	109	EH		10.48	-0.45
92	92	120	EH		10.48	-0.45
92	92	119	EH		10.48	-0.45
93	93	109	DEAD		-1.59	3.35
93	93	110	DEAD		-1.59	3.35
93	93	2	DEAD		-1.59	3.35
93	93	120	DEAD		-1.59	3.35
93	93	109	EH		5.81	-4.73
93	93	110	EH		5.81	-4.73
93	93	2	EH		5.81	-4.73
93	93	120	EH		5.81	-4.73
94	94	5	DEAD		6.722E-04	1.130E-02
94	94	11	DEAD		6.722E-04	1.130E-02
94	94	122	DEAD		6.722E-04	1.130E-02
94	94	121	DEAD		6.722E-04	1.130E-02
94	94	5	EH		-1.26	-0.27
94	94	11	EH		-1.26	-0.27
94	94	122	EH		-1.26	-0.27
94	94	121	EH		-1.26	-0.27
95	95	11	DEAD		-5.855E-03	2.029E-03
95	95	13	DEAD		-5.855E-03	2.029E-03
95	95	123	DEAD		-5.855E-03	2.029E-03
95	95	122	DEAD		-5.855E-03	2.029E-03
95	95	11	EH		-2.53	-0.32
95	95	13	EH		-2.53	-0.32
95	95	123	EH		-2.53	-0.32
95	95	122	EH		-2.53	-0.32
96	96	13	DEAD		2.697E-02	5.594E-03
96	96	15	DEAD		2.697E-02	5.594E-03
96	96	124	DEAD		2.697E-02	5.594E-03
96	96	123	DEAD		2.697E-02	5.594E-03
96	96	13	EH		-4.08	-0.34
96	96	15	EH		-4.08	-0.34
96	96	124	EH		-4.08	-0.34
96	96	123	EH		-4.08	-0.34
97	97	15	DEAD		3.569E-02	-6.897E-03
97	97	17	DEAD		3.569E-02	-6.897E-03
97	97	125	DEAD		3.569E-02	-6.897E-03
97	97	124	DEAD		3.569E-02	-6.897E-03
97	97	15	EH		-5.7	-0.37
97	97	17	EH		-5.7	-0.37
97	97	125	EH		-5.7	-0.37
97	97	124	EH		-5.7	-0.37
98	98	17	DEAD		0.1	-6.277E-02
98	98	19	DEAD		0.1	-6.277E-02

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
98	98	126	DEAD		0.1	-6.277E-02
98	98	125	DEAD		0.1	-6.277E-02
98	98	17	EH		-7.39	-0.36
98	98	19	EH		-7.39	-0.36
98	98	126	EH		-7.39	-0.36
98	98	125	EH		-7.39	-0.36
99	99	19	DEAD		5.969E-02	-0.19
99	99	21	DEAD		5.969E-02	-0.19
99	99	127	DEAD		5.969E-02	-0.19
99	99	126	DEAD		5.969E-02	-0.19
99	99	19	EH		-9.12	-0.26
99	99	21	EH		-9.12	-0.26
99	99	127	EH		-9.12	-0.26
99	99	126	EH		-9.12	-0.26
100	100	21	DEAD		-0.16	-0.34
100	100	23	DEAD		-0.16	-0.34
100	100	128	DEAD		-0.16	-0.34
100	100	127	DEAD		-0.16	-0.34
100	100	21	EH		-10.78	-6.803E-03
100	100	23	EH		-10.78	-6.803E-03
100	100	128	EH		-10.78	-6.803E-03
100	100	127	EH		-10.78	-6.803E-03
101	101	23	DEAD		-0.85	-0.17
101	101	25	DEAD		-0.85	-0.17
101	101	129	DEAD		-0.85	-0.17
101	101	128	DEAD		-0.85	-0.17
101	101	23	EH		-12.02	0.38
101	101	25	EH		-12.02	0.38
101	101	129	EH		-12.02	0.38
101	101	128	EH		-12.02	0.38
102	102	25	DEAD		-1.39	1.
102	102	27	DEAD		-1.39	1.
102	102	130	DEAD		-1.39	1.
102	102	129	DEAD		-1.39	1.
102	102	25	EH		-12.29	0.49
102	102	27	EH		-12.29	0.49
102	102	130	EH		-12.29	0.49
102	102	129	EH		-12.29	0.49
103	103	27	DEAD		-0.99	2.69
103	103	29	DEAD		-0.99	2.69
103	103	131	DEAD		-0.99	2.69
103	103	130	DEAD		-0.99	2.69
103	103	27	EH		-10.48	-0.45
103	103	29	EH		-10.48	-0.45
103	103	131	EH		-10.48	-0.45
103	103	130	EH		-10.48	-0.45
104	104	29	DEAD		1.59	3.35
104	104	4	DEAD		1.59	3.35
104	104	132	DEAD		1.59	3.35
104	104	131	DEAD		1.59	3.35
104	104	29	EH		-5.81	-4.73
104	104	4	EH		-5.81	-4.73
104	104	132	EH		-5.81	-4.73
104	104	131	EH		-5.81	-4.73

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
105	105	121	DEAD		-6.066E-03	1.365E-03
105	105	122	DEAD		-6.066E-03	1.365E-03
105	105	134	DEAD		-6.066E-03	1.365E-03
105	105	133	DEAD		-6.066E-03	1.365E-03
105	105	121	EH		-0.53	0.31
105	105	122	EH		-0.53	0.31
105	105	134	EH		-0.53	0.31
105	105	133	EH		-0.53	0.31
106	106	122	DEAD		1.314E-02	9.167E-04
106	106	123	DEAD		1.314E-02	9.167E-04
106	106	135	DEAD		1.314E-02	9.167E-04
106	106	134	DEAD		1.314E-02	9.167E-04
106	106	122	EH		-0.87	0.55
106	106	123	EH		-0.87	0.55
106	106	135	EH		-0.87	0.55
106	106	134	EH		-0.87	0.55
107	107	123	DEAD		-5.087E-03	-7.366E-03
107	107	124	DEAD		-5.087E-03	-7.366E-03
107	107	136	DEAD		-5.087E-03	-7.366E-03
107	107	135	DEAD		-5.087E-03	-7.366E-03
107	107	123	EH		-1.36	0.6
107	107	124	EH		-1.36	0.6
107	107	136	EH		-1.36	0.6
107	107	135	EH		-1.36	0.6
108	108	124	DEAD		2.938E-02	-3.182E-02
108	108	125	DEAD		2.938E-02	-3.182E-02
108	108	137	DEAD		2.938E-02	-3.182E-02
108	108	136	DEAD		2.938E-02	-3.182E-02
108	108	124	EH		-1.91	0.62
108	108	125	EH		-1.91	0.62
108	108	137	EH		-1.91	0.62
108	108	136	EH		-1.91	0.62
109	109	125	DEAD		1.124E-02	-8.184E-02
109	109	126	DEAD		1.124E-02	-8.184E-02
109	109	138	DEAD		1.124E-02	-8.184E-02
109	109	137	DEAD		1.124E-02	-8.184E-02
109	109	125	EH		-2.46	0.66
109	109	126	EH		-2.46	0.66
109	109	138	EH		-2.46	0.66
109	109	137	EH		-2.46	0.66
110	110	126	DEAD		1.797E-02	-0.13
110	110	127	DEAD		1.797E-02	-0.13
110	110	139	DEAD		1.797E-02	-0.13
110	110	138	DEAD		1.797E-02	-0.13
110	110	126	EH		-3.03	0.77
110	110	127	EH		-3.03	0.77
110	110	139	EH		-3.03	0.77
110	110	138	EH		-3.03	0.77
111	111	127	DEAD		-0.11	-7.765E-02
111	111	128	DEAD		-0.11	-7.765E-02
111	111	140	DEAD		-0.11	-7.765E-02
111	111	139	DEAD		-0.11	-7.765E-02
111	111	127	EH		-3.55	0.91
111	111	128	EH		-3.55	0.91

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
111	111	140	EH		-3.55	0.91
111	111	139	EH		-3.55	0.91
112	112	128	DEAD		-0.25	0.31
112	112	129	DEAD		-0.25	0.31
112	112	141	DEAD		-0.25	0.31
112	112	140	DEAD		-0.25	0.31
112	112	128	EH		-3.92	0.89
112	112	129	EH		-3.92	0.89
112	112	141	EH		-3.92	0.89
112	112	140	EH		-3.92	0.89
113	113	129	DEAD		-0.39	1.11
113	113	130	DEAD		-0.39	1.11
113	113	142	DEAD		-0.39	1.11
113	113	141	DEAD		-0.39	1.11
113	113	129	EH		-3.91	0.18
113	113	130	EH		-3.91	0.18
113	113	142	EH		-3.91	0.18
113	113	141	EH		-3.91	0.18
114	114	130	DEAD		-0.2	1.9
114	114	131	DEAD		-0.2	1.9
114	114	143	DEAD		-0.2	1.9
114	114	142	DEAD		-0.2	1.9
114	114	130	EH		-3.25	-2.36
114	114	131	EH		-3.25	-2.36
114	114	143	EH		-3.25	-2.36
114	114	142	EH		-3.25	-2.36
115	115	131	DEAD		0.53	1.71
115	115	132	DEAD		0.53	1.71
115	115	144	DEAD		0.53	1.71
115	115	143	DEAD		0.53	1.71
115	115	131	EH		-1.32	-8.63
115	115	132	EH		-1.32	-8.63
115	115	144	EH		-1.32	-8.63
115	115	143	EH		-1.32	-8.63
116	116	133	DEAD		6.066E-03	1.365E-03
116	116	134	DEAD		6.066E-03	1.365E-03
116	116	146	DEAD		6.066E-03	1.365E-03
116	116	145	DEAD		6.066E-03	1.365E-03
116	116	133	EH		0.53	0.31
116	116	134	EH		0.53	0.31
116	116	146	EH		0.53	0.31
116	116	145	EH		0.53	0.31
117	117	134	DEAD		-1.314E-02	9.167E-04
117	117	135	DEAD		-1.314E-02	9.167E-04
117	117	147	DEAD		-1.314E-02	9.167E-04
117	117	146	DEAD		-1.314E-02	9.167E-04
117	117	134	EH		0.87	0.55
117	117	135	EH		0.87	0.55
117	117	147	EH		0.87	0.55
117	117	146	EH		0.87	0.55
118	118	135	DEAD		5.087E-03	-7.366E-03
118	118	136	DEAD		5.087E-03	-7.366E-03
118	118	148	DEAD		5.087E-03	-7.366E-03
118	118	147	DEAD		5.087E-03	-7.366E-03

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
118	118	135	EH		1.36	0.6
118	118	136	EH		1.36	0.6
118	118	148	EH		1.36	0.6
118	118	147	EH		1.36	0.6
119	119	136	DEAD		-2.938E-02	-3.182E-02
119	119	137	DEAD		-2.938E-02	-3.182E-02
119	119	149	DEAD		-2.938E-02	-3.182E-02
119	119	148	DEAD		-2.938E-02	-3.182E-02
119	119	136	EH		1.91	0.62
119	119	137	EH		1.91	0.62
119	119	149	EH		1.91	0.62
119	119	148	EH		1.91	0.62
120	120	137	DEAD		-1.124E-02	-8.184E-02
120	120	138	DEAD		-1.124E-02	-8.184E-02
120	120	150	DEAD		-1.124E-02	-8.184E-02
120	120	149	DEAD		-1.124E-02	-8.184E-02
120	120	137	EH		2.46	0.66
120	120	138	EH		2.46	0.66
120	120	150	EH		2.46	0.66
120	120	149	EH		2.46	0.66
121	121	138	DEAD		-1.797E-02	-0.13
121	121	139	DEAD		-1.797E-02	-0.13
121	121	151	DEAD		-1.797E-02	-0.13
121	121	150	DEAD		-1.797E-02	-0.13
121	121	138	EH		3.03	0.77
121	121	139	EH		3.03	0.77
121	121	151	EH		3.03	0.77
121	121	150	EH		3.03	0.77
122	122	139	DEAD		0.11	-7.765E-02
122	122	140	DEAD		0.11	-7.765E-02
122	122	152	DEAD		0.11	-7.765E-02
122	122	151	DEAD		0.11	-7.765E-02
122	122	139	EH		3.55	0.91
122	122	140	EH		3.55	0.91
122	122	152	EH		3.55	0.91
122	122	151	EH		3.55	0.91
123	123	140	DEAD		0.25	0.31
123	123	141	DEAD		0.25	0.31
123	123	153	DEAD		0.25	0.31
123	123	152	DEAD		0.25	0.31
123	123	140	EH		3.92	0.89
123	123	141	EH		3.92	0.89
123	123	153	EH		3.92	0.89
123	123	152	EH		3.92	0.89
124	124	141	DEAD		0.39	1.11
124	124	142	DEAD		0.39	1.11
124	124	154	DEAD		0.39	1.11
124	124	153	DEAD		0.39	1.11
124	124	141	EH		3.91	0.18
124	124	142	EH		3.91	0.18
124	124	154	EH		3.91	0.18
124	124	153	EH		3.91	0.18
125	125	142	DEAD		0.2	1.9
125	125	143	DEAD		0.2	1.9

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
125	125	155	DEAD		0.2	1.9
125	125	154	DEAD		0.2	1.9
125	125	142	EH		3.25	-2.36
125	125	143	EH		3.25	-2.36
125	125	155	EH		3.25	-2.36
125	125	154	EH		3.25	-2.36
126	126	143	DEAD		-0.53	1.71
126	126	144	DEAD		-0.53	1.71
126	126	156	DEAD		-0.53	1.71
126	126	155	DEAD		-0.53	1.71
126	126	143	EH		1.32	-8.63
126	126	144	EH		1.32	-8.63
126	126	156	EH		1.32	-8.63
126	126	155	EH		1.32	-8.63
127	127	145	DEAD		-6.722E-04	1.130E-02
127	127	146	DEAD		-6.722E-04	1.130E-02
127	127	67	DEAD		-6.722E-04	1.130E-02
127	127	7	DEAD		-6.722E-04	1.130E-02
127	127	145	EH		1.26	-0.27
127	127	146	EH		1.26	-0.27
127	127	67	EH		1.26	-0.27
127	127	7	EH		1.26	-0.27
128	128	146	DEAD		5.855E-03	2.029E-03
128	128	147	DEAD		5.855E-03	2.029E-03
128	128	69	DEAD		5.855E-03	2.029E-03
128	128	67	DEAD		5.855E-03	2.029E-03
128	128	146	EH		2.53	-0.32
128	128	147	EH		2.53	-0.32
128	128	69	EH		2.53	-0.32
128	128	67	EH		2.53	-0.32
129	129	147	DEAD		-2.697E-02	5.594E-03
129	129	148	DEAD		-2.697E-02	5.594E-03
129	129	71	DEAD		-2.697E-02	5.594E-03
129	129	69	DEAD		-2.697E-02	5.594E-03
129	129	147	EH		4.08	-0.34
129	129	148	EH		4.08	-0.34
129	129	71	EH		4.08	-0.34
129	129	69	EH		4.08	-0.34
130	130	148	DEAD		-3.569E-02	-6.897E-03
130	130	149	DEAD		-3.569E-02	-6.897E-03
130	130	73	DEAD		-3.569E-02	-6.897E-03
130	130	71	DEAD		-3.569E-02	-6.897E-03
130	130	148	EH		5.7	-0.37
130	130	149	EH		5.7	-0.37
130	130	73	EH		5.7	-0.37
130	130	71	EH		5.7	-0.37
131	131	149	DEAD		-0.1	-6.277E-02
131	131	150	DEAD		-0.1	-6.277E-02
131	131	75	DEAD		-0.1	-6.277E-02
131	131	73	DEAD		-0.1	-6.277E-02
131	131	149	EH		7.39	-0.36
131	131	150	EH		7.39	-0.36
131	131	75	EH		7.39	-0.36
131	131	73	EH		7.39	-0.36

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
132	132	150	DEAD		-5.969E-02	-0.19
132	132	151	DEAD		-5.969E-02	-0.19
132	132	77	DEAD		-5.969E-02	-0.19
132	132	75	DEAD		-5.969E-02	-0.19
132	132	150	EH		9.12	-0.26
132	132	151	EH		9.12	-0.26
132	132	77	EH		9.12	-0.26
132	132	75	EH		9.12	-0.26
133	133	151	DEAD		0.16	-0.34
133	133	152	DEAD		0.16	-0.34
133	133	79	DEAD		0.16	-0.34
133	133	77	DEAD		0.16	-0.34
133	133	151	EH		10.78	-6.803E-03
133	133	152	EH		10.78	-6.803E-03
133	133	79	EH		10.78	-6.803E-03
133	133	77	EH		10.78	-6.803E-03
134	134	152	DEAD		0.85	-0.17
134	134	153	DEAD		0.85	-0.17
134	134	81	DEAD		0.85	-0.17
134	134	79	DEAD		0.85	-0.17
134	134	152	EH		12.02	0.38
134	134	153	EH		12.02	0.38
134	134	81	EH		12.02	0.38
134	134	79	EH		12.02	0.38
135	135	153	DEAD		1.39	1.
135	135	154	DEAD		1.39	1.
135	135	83	DEAD		1.39	1.
135	135	81	DEAD		1.39	1.
135	135	153	EH		12.29	0.49
135	135	154	EH		12.29	0.49
135	135	83	EH		12.29	0.49
135	135	81	EH		12.29	0.49
136	136	154	DEAD		0.99	2.69
136	136	155	DEAD		0.99	2.69
136	136	85	DEAD		0.99	2.69
136	136	83	DEAD		0.99	2.69
136	136	154	EH		10.48	-0.45
136	136	155	EH		10.48	-0.45
136	136	85	EH		10.48	-0.45
136	136	83	EH		10.48	-0.45
137	137	155	DEAD		-1.59	3.35
137	137	156	DEAD		-1.59	3.35
137	137	3	DEAD		-1.59	3.35
137	137	85	DEAD		-1.59	3.35
137	137	155	EH		5.81	-4.73
137	137	156	EH		5.81	-4.73
137	137	3	EH		5.81	-4.73
137	137	85	EH		5.81	-4.73
138	138	6	DEAD		-6.722E-04	1.130E-02
138	138	157	DEAD		-6.722E-04	1.130E-02
138	138	158	DEAD		-6.722E-04	1.130E-02
138	138	55	DEAD		-6.722E-04	1.130E-02
138	138	6	EH		1.26	-0.27
138	138	157	EH		1.26	-0.27

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
138	138	158	EH		1.26	-0.27
138	138	55	EH		1.26	-0.27
139	139	55	DEAD		5.855E-03	2.029E-03
139	139	158	DEAD		5.855E-03	2.029E-03
139	139	159	DEAD		5.855E-03	2.029E-03
139	139	56	DEAD		5.855E-03	2.029E-03
139	139	55	EH		2.53	-0.32
139	139	158	EH		2.53	-0.32
139	139	159	EH		2.53	-0.32
139	139	56	EH		2.53	-0.32
140	140	56	DEAD		-2.697E-02	5.594E-03
140	140	159	DEAD		-2.697E-02	5.594E-03
140	140	160	DEAD		-2.697E-02	5.594E-03
140	140	57	DEAD		-2.697E-02	5.594E-03
140	140	56	EH		4.08	-0.34
140	140	159	EH		4.08	-0.34
140	140	160	EH		4.08	-0.34
140	140	57	EH		4.08	-0.34
141	141	57	DEAD		-3.569E-02	-6.897E-03
141	141	160	DEAD		-3.569E-02	-6.897E-03
141	141	161	DEAD		-3.569E-02	-6.897E-03
141	141	58	DEAD		-3.569E-02	-6.897E-03
141	141	57	EH		5.7	-0.37
141	141	160	EH		5.7	-0.37
141	141	161	EH		5.7	-0.37
141	141	58	EH		5.7	-0.37
142	142	58	DEAD		-0.1	-6.277E-02
142	142	161	DEAD		-0.1	-6.277E-02
142	142	162	DEAD		-0.1	-6.277E-02
142	142	59	DEAD		-0.1	-6.277E-02
142	142	58	EH		7.39	-0.36
142	142	161	EH		7.39	-0.36
142	142	162	EH		7.39	-0.36
142	142	59	EH		7.39	-0.36
143	143	59	DEAD		-5.969E-02	-0.19
143	143	162	DEAD		-5.969E-02	-0.19
143	143	163	DEAD		-5.969E-02	-0.19
143	143	60	DEAD		-5.969E-02	-0.19
143	143	59	EH		9.12	-0.26
143	143	162	EH		9.12	-0.26
143	143	163	EH		9.12	-0.26
143	143	60	EH		9.12	-0.26
144	144	60	DEAD		0.16	-0.34
144	144	163	DEAD		0.16	-0.34
144	144	164	DEAD		0.16	-0.34
144	144	61	DEAD		0.16	-0.34
144	144	60	EH		10.78	-6.803E-03
144	144	163	EH		10.78	-6.803E-03
144	144	164	EH		10.78	-6.803E-03
144	144	61	EH		10.78	-6.803E-03
145	145	61	DEAD		0.85	-0.17
145	145	164	DEAD		0.85	-0.17
145	145	165	DEAD		0.85	-0.17
145	145	62	DEAD		0.85	-0.17

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
145	145	61	EH		12.02	0.38
145	145	164	EH		12.02	0.38
145	145	165	EH		12.02	0.38
145	145	62	EH		12.02	0.38
146	146	62	DEAD		1.39	1.
146	146	165	DEAD		1.39	1.
146	146	166	DEAD		1.39	1.
146	146	63	DEAD		1.39	1.
146	146	62	EH		12.29	0.49
146	146	165	EH		12.29	0.49
146	146	166	EH		12.29	0.49
146	146	63	EH		12.29	0.49
147	147	63	DEAD		0.99	2.69
147	147	166	DEAD		0.99	2.69
147	147	167	DEAD		0.99	2.69
147	147	64	DEAD		0.99	2.69
147	147	63	EH		10.48	-0.45
147	147	166	EH		10.48	-0.45
147	147	167	EH		10.48	-0.45
147	147	64	EH		10.48	-0.45
148	148	64	DEAD		-1.59	3.35
148	148	167	DEAD		-1.59	3.35
148	148	168	DEAD		-1.59	3.35
148	148	1	DEAD		-1.59	3.35
148	148	64	EH		5.81	-4.73
148	148	167	EH		5.81	-4.73
148	148	168	EH		5.81	-4.73
148	148	1	EH		5.81	-4.73
149	149	157	DEAD		6.066E-03	1.365E-03
149	149	169	DEAD		6.066E-03	1.365E-03
149	149	170	DEAD		6.066E-03	1.365E-03
149	149	158	DEAD		6.066E-03	1.365E-03
149	149	157	EH		0.53	0.31
149	149	169	EH		0.53	0.31
149	149	170	EH		0.53	0.31
149	149	158	EH		0.53	0.31
150	150	158	DEAD		-1.314E-02	9.167E-04
150	150	170	DEAD		-1.314E-02	9.167E-04
150	150	171	DEAD		-1.314E-02	9.167E-04
150	150	159	DEAD		-1.314E-02	9.167E-04
150	150	158	EH		0.87	0.55
150	150	170	EH		0.87	0.55
150	150	171	EH		0.87	0.55
150	150	159	EH		0.87	0.55
151	151	159	DEAD		5.087E-03	-7.366E-03
151	151	171	DEAD		5.087E-03	-7.366E-03
151	151	172	DEAD		5.087E-03	-7.366E-03
151	151	160	DEAD		5.087E-03	-7.366E-03
151	151	159	EH		1.36	0.6
151	151	171	EH		1.36	0.6
151	151	172	EH		1.36	0.6
151	151	160	EH		1.36	0.6
152	152	160	DEAD		-2.938E-02	-3.182E-02
152	152	172	DEAD		-2.938E-02	-3.182E-02

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
152	152	173	DEAD		-2.938E-02	-3.182E-02
152	152	161	DEAD		-2.938E-02	-3.182E-02
152	152	160	EH		1.91	0.62
152	152	172	EH		1.91	0.62
152	152	173	EH		1.91	0.62
152	152	161	EH		1.91	0.62
153	153	161	DEAD		-1.124E-02	-8.184E-02
153	153	173	DEAD		-1.124E-02	-8.184E-02
153	153	174	DEAD		-1.124E-02	-8.184E-02
153	153	162	DEAD		-1.124E-02	-8.184E-02
153	153	161	EH		2.46	0.66
153	153	173	EH		2.46	0.66
153	153	174	EH		2.46	0.66
153	153	162	EH		2.46	0.66
154	154	162	DEAD		-1.797E-02	-0.13
154	154	174	DEAD		-1.797E-02	-0.13
154	154	175	DEAD		-1.797E-02	-0.13
154	154	163	DEAD		-1.797E-02	-0.13
154	154	162	EH		3.03	0.77
154	154	174	EH		3.03	0.77
154	154	175	EH		3.03	0.77
154	154	163	EH		3.03	0.77
155	155	163	DEAD		0.11	-7.765E-02
155	155	175	DEAD		0.11	-7.765E-02
155	155	176	DEAD		0.11	-7.765E-02
155	155	164	DEAD		0.11	-7.765E-02
155	155	163	EH		3.55	0.91
155	155	175	EH		3.55	0.91
155	155	176	EH		3.55	0.91
155	155	164	EH		3.55	0.91
156	156	164	DEAD		0.25	0.31
156	156	176	DEAD		0.25	0.31
156	156	177	DEAD		0.25	0.31
156	156	165	DEAD		0.25	0.31
156	156	164	EH		3.92	0.89
156	156	176	EH		3.92	0.89
156	156	177	EH		3.92	0.89
156	156	165	EH		3.92	0.89
157	157	165	DEAD		0.39	1.11
157	157	177	DEAD		0.39	1.11
157	157	178	DEAD		0.39	1.11
157	157	166	DEAD		0.39	1.11
157	157	165	EH		3.91	0.18
157	157	177	EH		3.91	0.18
157	157	178	EH		3.91	0.18
157	157	166	EH		3.91	0.18
158	158	166	DEAD		0.2	1.9
158	158	178	DEAD		0.2	1.9
158	158	179	DEAD		0.2	1.9
158	158	167	DEAD		0.2	1.9
158	158	166	EH		3.25	-2.36
158	158	178	EH		3.25	-2.36
158	158	179	EH		3.25	-2.36
158	158	167	EH		3.25	-2.36

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
159	159	167	DEAD		-0.53	1.71
159	159	179	DEAD		-0.53	1.71
159	159	180	DEAD		-0.53	1.71
159	159	168	DEAD		-0.53	1.71
159	159	167	EH		1.32	-8.63
159	159	179	EH		1.32	-8.63
159	159	180	EH		1.32	-8.63
159	159	168	EH		1.32	-8.63
160	160	169	DEAD		-6.066E-03	1.365E-03
160	160	181	DEAD		-6.066E-03	1.365E-03
160	160	182	DEAD		-6.066E-03	1.365E-03
160	160	170	DEAD		-6.066E-03	1.365E-03
160	160	169	EH		-0.53	0.31
160	160	181	EH		-0.53	0.31
160	160	182	EH		-0.53	0.31
160	160	170	EH		-0.53	0.31
161	161	170	DEAD		1.314E-02	9.167E-04
161	161	182	DEAD		1.314E-02	9.167E-04
161	161	183	DEAD		1.314E-02	9.167E-04
161	161	171	DEAD		1.314E-02	9.167E-04
161	161	170	EH		-0.87	0.55
161	161	182	EH		-0.87	0.55
161	161	183	EH		-0.87	0.55
161	161	171	EH		-0.87	0.55
162	162	171	DEAD		-5.087E-03	-7.366E-03
162	162	183	DEAD		-5.087E-03	-7.366E-03
162	162	184	DEAD		-5.087E-03	-7.366E-03
162	162	172	DEAD		-5.087E-03	-7.366E-03
162	162	171	EH		-1.36	0.6
162	162	183	EH		-1.36	0.6
162	162	184	EH		-1.36	0.6
162	162	172	EH		-1.36	0.6
163	163	172	DEAD		2.938E-02	-3.182E-02
163	163	184	DEAD		2.938E-02	-3.182E-02
163	163	185	DEAD		2.938E-02	-3.182E-02
163	163	173	DEAD		2.938E-02	-3.182E-02
163	163	172	EH		-1.91	0.62
163	163	184	EH		-1.91	0.62
163	163	185	EH		-1.91	0.62
163	163	173	EH		-1.91	0.62
164	164	173	DEAD		1.124E-02	-8.184E-02
164	164	185	DEAD		1.124E-02	-8.184E-02
164	164	186	DEAD		1.124E-02	-8.184E-02
164	164	174	DEAD		1.124E-02	-8.184E-02
164	164	173	EH		-2.46	0.66
164	164	185	EH		-2.46	0.66
164	164	186	EH		-2.46	0.66
164	164	174	EH		-2.46	0.66
165	165	174	DEAD		1.797E-02	-0.13
165	165	186	DEAD		1.797E-02	-0.13
165	165	187	DEAD		1.797E-02	-0.13
165	165	175	DEAD		1.797E-02	-0.13
165	165	174	EH		-3.03	0.77
165	165	186	EH		-3.03	0.77

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
165	165	187	EH		-3.03	0.77
165	165	175	EH		-3.03	0.77
166	166	175	DEAD		-0.11	-7.765E-02
166	166	187	DEAD		-0.11	-7.765E-02
166	166	188	DEAD		-0.11	-7.765E-02
166	166	176	DEAD		-0.11	-7.765E-02
166	166	175	EH		-3.55	0.91
166	166	187	EH		-3.55	0.91
166	166	188	EH		-3.55	0.91
166	166	176	EH		-3.55	0.91
167	167	176	DEAD		-0.25	0.31
167	167	188	DEAD		-0.25	0.31
167	167	189	DEAD		-0.25	0.31
167	167	177	DEAD		-0.25	0.31
167	167	176	EH		-3.92	0.89
167	167	188	EH		-3.92	0.89
167	167	189	EH		-3.92	0.89
167	167	177	EH		-3.92	0.89
168	168	177	DEAD		-0.39	1.11
168	168	189	DEAD		-0.39	1.11
168	168	190	DEAD		-0.39	1.11
168	168	178	DEAD		-0.39	1.11
168	168	177	EH		-3.91	0.18
168	168	189	EH		-3.91	0.18
168	168	190	EH		-3.91	0.18
168	168	178	EH		-3.91	0.18
169	169	178	DEAD		-0.2	1.9
169	169	190	DEAD		-0.2	1.9
169	169	191	DEAD		-0.2	1.9
169	169	179	DEAD		-0.2	1.9
169	169	178	EH		-3.25	-2.36
169	169	190	EH		-3.25	-2.36
169	169	191	EH		-3.25	-2.36
169	169	179	EH		-3.25	-2.36
170	170	179	DEAD		0.53	1.71
170	170	191	DEAD		0.53	1.71
170	170	192	DEAD		0.53	1.71
170	170	180	DEAD		0.53	1.71
170	170	179	EH		-1.32	-8.63
170	170	191	EH		-1.32	-8.63
170	170	192	EH		-1.32	-8.63
170	170	180	EH		-1.32	-8.63
171	171	181	DEAD		6.722E-04	1.130E-02
171	171	8	DEAD		6.722E-04	1.130E-02
171	171	111	DEAD		6.722E-04	1.130E-02
171	171	182	DEAD		6.722E-04	1.130E-02
171	171	181	EH		-1.26	-0.27
171	171	8	EH		-1.26	-0.27
171	171	111	EH		-1.26	-0.27
171	171	182	EH		-1.26	-0.27
172	172	182	DEAD		-5.855E-03	2.029E-03
172	172	111	DEAD		-5.855E-03	2.029E-03
172	172	112	DEAD		-5.855E-03	2.029E-03
172	172	183	DEAD		-5.855E-03	2.029E-03

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
172	172	182	EH		-2.53	-0.32
172	172	111	EH		-2.53	-0.32
172	172	112	EH		-2.53	-0.32
172	172	183	EH		-2.53	-0.32
173	173	183	DEAD		2.697E-02	5.594E-03
173	173	112	DEAD		2.697E-02	5.594E-03
173	173	113	DEAD		2.697E-02	5.594E-03
173	173	184	DEAD		2.697E-02	5.594E-03
173	173	183	EH		-4.08	-0.34
173	173	112	EH		-4.08	-0.34
173	173	113	EH		-4.08	-0.34
173	173	184	EH		-4.08	-0.34
174	174	184	DEAD		3.569E-02	-6.897E-03
174	174	113	DEAD		3.569E-02	-6.897E-03
174	174	114	DEAD		3.569E-02	-6.897E-03
174	174	185	DEAD		3.569E-02	-6.897E-03
174	174	184	EH		-5.7	-0.37
174	174	113	EH		-5.7	-0.37
174	174	114	EH		-5.7	-0.37
174	174	185	EH		-5.7	-0.37
175	175	185	DEAD		0.1	-6.277E-02
175	175	114	DEAD		0.1	-6.277E-02
175	175	115	DEAD		0.1	-6.277E-02
175	175	186	DEAD		0.1	-6.277E-02
175	175	185	EH		-7.39	-0.36
175	175	114	EH		-7.39	-0.36
175	175	115	EH		-7.39	-0.36
175	175	186	EH		-7.39	-0.36
176	176	186	DEAD		5.969E-02	-0.19
176	176	115	DEAD		5.969E-02	-0.19
176	176	116	DEAD		5.969E-02	-0.19
176	176	187	DEAD		5.969E-02	-0.19
176	176	186	EH		-9.12	-0.26
176	176	115	EH		-9.12	-0.26
176	176	116	EH		-9.12	-0.26
176	176	187	EH		-9.12	-0.26
177	177	187	DEAD		-0.16	-0.34
177	177	116	DEAD		-0.16	-0.34
177	177	117	DEAD		-0.16	-0.34
177	177	188	DEAD		-0.16	-0.34
177	177	187	EH		-10.78	-6.803E-03
177	177	116	EH		-10.78	-6.803E-03
177	177	117	EH		-10.78	-6.803E-03
177	177	188	EH		-10.78	-6.803E-03
178	178	188	DEAD		-0.85	-0.17
178	178	117	DEAD		-0.85	-0.17
178	178	118	DEAD		-0.85	-0.17
178	178	189	DEAD		-0.85	-0.17
178	178	188	EH		-12.02	0.38
178	178	117	EH		-12.02	0.38
178	178	118	EH		-12.02	0.38
178	178	189	EH		-12.02	0.38
179	179	189	DEAD		-1.39	1.
179	179	118	DEAD		-1.39	1.

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
179	179	119	DEAD		-1.39	1.
179	179	190	DEAD		-1.39	1.
179	179	189	EH		-12.29	0.49
179	179	118	EH		-12.29	0.49
179	179	119	EH		-12.29	0.49
179	179	190	EH		-12.29	0.49
180	180	190	DEAD		-0.99	2.69
180	180	119	DEAD		-0.99	2.69
180	180	120	DEAD		-0.99	2.69
180	180	191	DEAD		-0.99	2.69
180	180	190	EH		-10.48	-0.45
180	180	119	EH		-10.48	-0.45
180	180	120	EH		-10.48	-0.45
180	180	191	EH		-10.48	-0.45
181	181	191	DEAD		1.59	3.35
181	181	120	DEAD		1.59	3.35
181	181	2	DEAD		1.59	3.35
181	181	192	DEAD		1.59	3.35
181	181	191	EH		-5.81	-4.73
181	181	120	EH		-5.81	-4.73
181	181	2	EH		-5.81	-4.73
181	181	192	EH		-5.81	-4.73
182	182	1	DEAD		-19.77	-19.77
182	182	168	DEAD		-19.77	-19.77
182	182	193	DEAD		-19.77	-19.77
182	182	54	DEAD		-19.77	-19.77
182	182	1	EH		8.35	8.35
182	182	168	EH		8.35	8.35
182	182	193	EH		8.35	8.35
182	182	54	EH		8.35	8.35
183	183	54	DEAD		0.4	-0.3
183	183	193	DEAD		0.4	-0.3
183	183	194	DEAD		0.4	-0.3
183	183	42	DEAD		0.4	-0.3
183	183	54	EH		9.38	1.01
183	183	193	EH		9.38	1.01
183	183	194	EH		9.38	1.01
183	183	42	EH		9.38	1.01
184	184	42	DEAD		0.4	0.3
184	184	194	DEAD		0.4	0.3
184	184	195	DEAD		0.4	0.3
184	184	30	DEAD		0.4	0.3
184	184	42	EH		9.38	-1.01
184	184	194	EH		9.38	-1.01
184	184	195	EH		9.38	-1.01
184	184	30	EH		9.38	-1.01
185	185	30	DEAD		-19.77	19.77
185	185	195	DEAD		-19.77	19.77
185	185	132	DEAD		-19.77	19.77
185	185	4	DEAD		-19.77	19.77
185	185	30	EH		8.35	-8.35
185	185	195	EH		8.35	-8.35
185	185	132	EH		8.35	-8.35
185	185	4	EH		8.35	-8.35

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
186	186	168	DEAD		-0.3	0.4
186	186	180	DEAD		-0.3	0.4
186	186	196	DEAD		-0.3	0.4
186	186	193	DEAD		-0.3	0.4
186	186	168	EH		1.01	9.38
186	186	180	EH		1.01	9.38
186	186	196	EH		1.01	9.38
186	186	193	EH		1.01	9.38
187	187	193	DEAD		-1.77	-1.77
187	187	196	DEAD		-1.77	-1.77
187	187	197	DEAD		-1.77	-1.77
187	187	194	DEAD		-1.77	-1.77
187	187	193	EH		2.96	2.96
187	187	196	EH		2.96	2.96
187	187	197	EH		2.96	2.96
187	187	194	EH		2.96	2.96
188	188	194	DEAD		-1.77	1.77
188	188	197	DEAD		-1.77	1.77
188	188	198	DEAD		-1.77	1.77
188	188	195	DEAD		-1.77	1.77
188	188	194	EH		2.96	-2.96
188	188	197	EH		2.96	-2.96
188	188	198	EH		2.96	-2.96
188	188	195	EH		2.96	-2.96
189	189	195	DEAD		-0.3	-0.4
189	189	198	DEAD		-0.3	-0.4
189	189	144	DEAD		-0.3	-0.4
189	189	132	DEAD		-0.3	-0.4
189	189	195	EH		1.01	-9.38
189	189	198	EH		1.01	-9.38
189	189	144	EH		1.01	-9.38
189	189	132	EH		1.01	-9.38
190	190	180	DEAD		0.3	0.4
190	190	192	DEAD		0.3	0.4
190	190	199	DEAD		0.3	0.4
190	190	196	DEAD		0.3	0.4
190	190	180	EH		-1.01	9.38
190	190	192	EH		-1.01	9.38
190	190	199	EH		-1.01	9.38
190	190	196	EH		-1.01	9.38
191	191	196	DEAD		1.77	-1.77
191	191	199	DEAD		1.77	-1.77
191	191	200	DEAD		1.77	-1.77
191	191	197	DEAD		1.77	-1.77
191	191	196	EH		-2.96	2.96
191	191	199	EH		-2.96	2.96
191	191	200	EH		-2.96	2.96
191	191	197	EH		-2.96	2.96
192	192	197	DEAD		1.77	1.77
192	192	200	DEAD		1.77	1.77
192	192	201	DEAD		1.77	1.77
192	192	198	DEAD		1.77	1.77
192	192	197	EH		-2.96	-2.96
192	192	200	EH		-2.96	-2.96

Table 19: Element Stresses - Area Shells, Part 3 of 3

Area	AreaElem	Joint	OutputCase	StepType	S13Avg KN/m2	S23Avg KN/m2
192	192	201	EH		-2.96	-2.96
192	192	198	EH		-2.96	-2.96
193	193	198	DEAD		0.3	-0.4
193	193	201	DEAD		0.3	-0.4
193	193	156	DEAD		0.3	-0.4
193	193	144	DEAD		0.3	-0.4
193	193	198	EH		-1.01	-9.38
193	193	201	EH		-1.01	-9.38
193	193	156	EH		-1.01	-9.38
193	193	144	EH		-1.01	-9.38
194	194	192	DEAD		19.77	-19.77
194	194	2	DEAD		19.77	-19.77
194	194	110	DEAD		19.77	-19.77
194	194	199	DEAD		19.77	-19.77
194	194	192	EH		-8.35	8.35
194	194	2	EH		-8.35	8.35
194	194	110	EH		-8.35	8.35
194	194	199	EH		-8.35	8.35
195	195	199	DEAD		-0.4	-0.3
195	195	110	DEAD		-0.4	-0.3
195	195	98	DEAD		-0.4	-0.3
195	195	200	DEAD		-0.4	-0.3
195	195	199	EH		-9.38	1.01
195	195	110	EH		-9.38	1.01
195	195	98	EH		-9.38	1.01
195	195	200	EH		-9.38	1.01
196	196	200	DEAD		-0.4	0.3
196	196	98	DEAD		-0.4	0.3
196	196	86	DEAD		-0.4	0.3
196	196	201	DEAD		-0.4	0.3
196	196	200	EH		-9.38	-1.01
196	196	98	EH		-9.38	-1.01
196	196	86	EH		-9.38	-1.01
196	196	201	EH		-9.38	-1.01
197	197	201	DEAD		19.77	19.77
197	197	86	DEAD		19.77	19.77
197	197	3	DEAD		19.77	19.77
197	197	156	DEAD		19.77	19.77
197	197	201	EH		-8.35	-8.35
197	197	86	EH		-8.35	-8.35
197	197	3	EH		-8.35	-8.35
197	197	156	EH		-8.35	-8.35

10. Material take-off

This section provides a material take-off.

Table 20: Material List 2 - By Section Property

Table 20: Material List 2 - By Section Property

Section	ObjectType	NumPieces	TotalLength m	TotalWeight KN
Muros	Area			28.37
Losa de Fondo	Area			2.309

11. Design preferences

This section provides the design preferences for each type of design, which typically include material reduction factors, framing type, stress ratio limit, deflection limits, and other code specific items.

11.1. Steel design

Table 21: Preferences - Steel Design - AISC 360-16, Part 1 of 4

Table 21: Preferences - Steel Design - AISC 360-16, Part 1 of 4

THDesign	FrameType	PatLLF	SRatioLimit	MaxIter	SDC	SeisCode	SeisLoad	ImpFactor
Envelopes	SMF	0.75	0.95	1	D	No	No	1.

Table 21: Preferences - Steel Design - AISC 360-16, Part 2 of 4

Table 21: Preferences - Steel Design - AISC 360-16, Part 2 of 4

SystemRho	SystemSds	SystemR	SystemCd	Omega0	Provision	AMethod	SOMethod	SRMethod
1.	0.5	8.	5.5	3.	LRFD	Direct Analysis	General 2nd Order	Tau-b Fixed

Table 21: Preferences - Steel Design - AISC 360-16, Part 3 of 4

Table 21: Preferences - Steel Design - AISC 360-16, Part 3 of 4

NLCoeff	PhiB	PhiC	PhiTY	PhiTF	PhiV	PhiVRolledI	PhiVT	PlugWeld
0.002	0.9	0.9	0.9	0.75	0.9	1.	0.9	Yes

Table 21: Preferences - Steel Design - AISC 360-16, Part 4 of 4

Table 21: Preferences - Steel Design - AISC 360-16, Part 4 of 4

HSSWelding	HSSReduceT	CheckDefl	DLRat	SDLAndLLRat	LLRat	TotalRat	NetRat
ERW	No	No	120.	120.	360.	240.	240.

11.2. Concrete design

Table 22: Preferences - Concrete Design - ACI 318-19, Part 1 of 3

Table 22: Preferences - Concrete Design - ACI 318-19, Part 1 of 3

THDesign	NumCurves	NumPoints	MinEccen	BCCDesign	IgnoreBPu	CTorsion	PatLLF	UFLimit
Envelopes	24	11	Yes	Yes	Yes	Yes	0.75	0.95

Table 22: Preferences - Concrete Design - ACI 318-19, Part 2 of 3

Table 22: Preferences - Concrete Design - ACI 318-19, Part 2 of 3

SeisCat	Rho	Sds	PhiT	PhiCTied	PhiCSpiral	PhiV	PhiVSeismic	PhiVJoint
D	1.	0.5	0.9	0.65	0.75	0.75	0.6	0.85

Table 22: Preferences - Concrete Design - ACI 318-19, Part 3 of 3

Table 22: Preferences - Concrete Design - ACI 318-19, Part 3 of 3

TanTheta
1.

Table 23: Preferences - Concrete Shell Design - Eurocode 2-2004

Table 23: Preferences - Concrete Shell Design - Eurocode 2-2004

Country	GammaS	GammaC	AlphaCC	AlphaCT	CrackCond	ShrDesMet	CotTheta	AddTenForce
CEN Default	1.15	1.5	1.	1.	Program Determined	Method 1	1.	Yes

11.3. Aluminum design

Table 24: Preferences - Aluminum Design - AA 2015, Part 1 of 2

Table 24: Preferences - Aluminum Design - AA 2015, Part 1 of 2

THDesign	SRatioLimit	Provision	LatFact	UseLatFact	Bridge	PhiTy	PhiTr	PhiC
Envelopes	1.	LRFD	1.333333	No	No	0.9	0.75	0.9

Table 24: Preferences - Aluminum Design - AA 2015, Part 2 of 2

Table 24: Preferences - Aluminum Design - AA 2015, Part 2 of 2

PhiBo	PhiBr	PhiVo	PhiVr
0.9	0.75	0.9	0.75

11.4. Cold formed design

Table 25: Preferences - Cold Formed Design - AISI-16, Part 1 of 2

Table 25: Preferences - Cold Formed Design - AISI-16, Part 1 of 2

THDesign	FrameType	SRatioLimit	SOMethod	Provision	LatFact	UseLatFact	PhiTy	PhiTr
Envelopes	Braced Frame	1.	General 2nd Order	LRFD	1.333333	No	0.9	0.75

Table 25: Preferences - Cold Formed Design - AISI-16, Part 2 of 2

Table 25: Preferences - Cold Formed Design - AISI-16, Part 2 of 2

PhiC	PhiB	PhiBPipe	PhiV
0.85	0.9	0.95	0.95

Bogotá, 2025

Señores:
DEPARTAMENTO DE CÓRDOBA
L.C.

Referencia: ESTUDIOS Y DISEÑOS PARA LA CONSTRUCCIÓN Y/O MEJORAMIENTO Y/O REHABILITACIÓN DE INFRAESTRUCTURA VIAL EN EL DEPARTAMENTO DE CÓRDOBA

Asunto: Memorial de responsabilidad profesional

Con el presente documento manifiesto que realicé el ESTUDIO HIDROLÓGICO E HIDRULICO que hace parte del Contrato de consultoría No. CMA-SI-001-2024 cuyo objeto es, ESTUDIOS Y DISEÑOS PARA LA CONSTRUCCIÓN Y/O MEJORAMIENTO Y/O REHABILITACIÓN DE INFRAESTRUCTURA VIAL EN EL DEPARTAMENTO DE CÓRDOBA, correspondiente al tramo de la calzada Norte – Sur de la vía denominada "Ranchos del Inat" entre la calle 60 y la calle 78 en la ciudad de Montería.

Se certifica que para le ejecución del comentado estudio y/o diseño se dio cumplimiento a las referencias normativas y reglamentos vigentes, así como, la aplicación de las normas que establecen mecanismos de integración para personas con movilidad reducida, en caso de haber aplicado durante la ejecución.

Se advierte que el informe resultado del estudio y sus anexos, no pueden ser modificados sin mi respectiva autorización, una vez sea viabilizado el proyecto.

Se suscribe,

RICARDO TAFUR SANCHEZ
Ingeniero Civil –
T.P. 25202151559CND
C.C. 79.865.912

TPC TRITURADOS Y PAVIMENTOS DEL CARIBE S.A.S	**TRITURADOS Y PAVIMENTOS DEL CARIBE SAS** **NIT N° 901.267.748-5** **TOLUVIEJO - SUCRE** **Pr: 70+500 de la Vía Toluviejo - San Onofre - Celular No 3008096953**	**COTIZACIÓN** **N° 658**

CLIENTE	CONSORCIO VIAS DEL SINU	**POR CONCEPTO DE**	
NIT/C.C	901.919.377-5	SUMINISTRO DE MATERIALES	
OBRA:			

FECHA DE COTIZACION	**FECHA VENCIMIENTO**	**VENDEDOR**
sábado, 23 de mayo de 2026	martes, 2 de junio de 2026	TRITURADOS Y PAVIMENTOS DEL CARIBE S.A.S.

Ref.	Descripcion	Cantidad	U. Medida	Valor Unitario	Valor Parcial
1	SUMINISTRO DE MEZCLA ASFALTICA TIPO MDC-19 (EN BOCA DE PLANTA)	1	M3	$ 1.030.524	$ 1.030.524
2	SUMINISTRO DE MEZCLA ASFALTICA TIPO MDC-25 (EN BOCA DE PLANTA)	1	M3	$ 1.030.524	$ 1.030.524
3	SUMINISTRO DE EMULSION ASFÁLTICA CRR-1	1	LTS	$ 3.120	$ 3.120
4	SUMINISTRO DE EMULSION ASFÁLTICA CRL-1	1	LTS	$ 3.120	$ 3.120
5	SUMINISTRO BASE CLASE A (NT3) GF BG38	1	M3	$ 118.540	$ 118.540

NOTAS:	SUBTOTAL	$ 2.185.828
1) LA FORMA DE PAGO ES ANTICIPADO		
2) LUEGO DE HACER LA CONSIGNACION, POR FAVOR ENVIAR SOPORTE DE PAGO Y COPIA DEL RUT PARA SU CREACIÓN EN EL SISTEMA.		
3). LOS PRECIOS PUEDEN VARIAR DE ACUERDO AL ALZA DE NUESTROS PROVEEDORES		
4). LOS DESCUENTOS VARÍAN DE ACUERDO AL VOLUMEN		
5) SE DEBEN REALIZAR LAS PROGRAMACIONES CON TRES DIAS MINIMO DE ANTICIPACION		
6) LOS SUMINISTROS PUEDEN INTERRUMPIRSE DEBIDO A FACTORES NO CONTROLABLES INHERENTES A LA ACTIVIDAD	TOTAL	$ 2.185.828
7) LOS PRECIO INCLUYEN IVA Y LAS RETENCIONES SON SUJETAS AL TIPO DE REGIMEN		

Realizada Por: _____

Coordinadora Administrativa

Contáctanos en:
Celular: 3008096953
E-Mail: trituradosypavimentosdelcaribe@gmail.com
Dir.: Punto de referencia Pr 70+500 vía, Toluviejo – San Onofre

CONSTRUÍTEM
MATERIALES & OBRAS

CONSTRUITEM SAS

NIT: 901802194-0
MZ CA 13 BRR SANTA ELENA MONTERÍA
TEL:3108384068
ANGELICA.MDP.09@GMAIL.COM

Razon Social: **CONSORCIO VIAS DEL SINU**
NIT/CC: **901919377-5**
Contacto: JOSE ROMERO
Direccion:
Ciudad: - Monteria Cordoba
Telefono: - 3126982056
Email: consorcioviasdelsinu@gmail.com

COTIZACION #32

Fecha Expiración: 2026-07-08
Fecha Emisión: 2026-05-12
Impreso por: ANGELICA MARINA DIAZ PADILLA

Codigo	Can.	Producto	Precio	Iva	Total U	Total
000025	1	TACHA RETROREFLACTIVA UNIDIRECCIONAL O BIDIRECCIONAL AMARILLA Y/O BLANCA (AREA MINIMA RETROREFLECTANTE: 6CM2) - UND	$14,208	19%	$16,907	$16,907
000024	1	PEGANTE ÉPOXICO (INCLUYE CATALIZADOR) - KG	$58,740	19%	$69,900	$69,900
000026	1	TUBO EN CONCRETO REFORZADO DE 24" - UND	$1,174,790	19%	$1,398,000	$1,398,000

SUBTOTAL	$1,247,736.98
IVA	$237,070.02
TOTAL	**$1,484,807.00**

CANTERA VILLA CARMEN
NIT 900929489-0
Celular: 3145680334
Kilometro 8 via de Monteria-Planeta Rica
Correo: canteravillacarmensas@gmail.com

Montería, Mayo 15 del 2026

SEÑORES:
CONSORCIO VIAS DEL SINU
NIT:901919377-5

OFERTA ECONOMICA

MONTERIA/CORDOBA
Mayo 15 de 2026

PROPUESTA DE ECONOMICA PARA SUMINISTRO DE MATERIALES BARRIO LA PALMA, MARGEN IZQUIERDA

DESCRIPCIÓN	UND	VR. MATERIAL	VR. TRANSPORTE	CANTIDAD	VALOR TOTAL M3
SUMINISTRO BASE CLASE A (NT3) GF BG38	M3	$ 79.420	$ 25.000	1,00	$ 104.420

CONDICIONES GENERALES

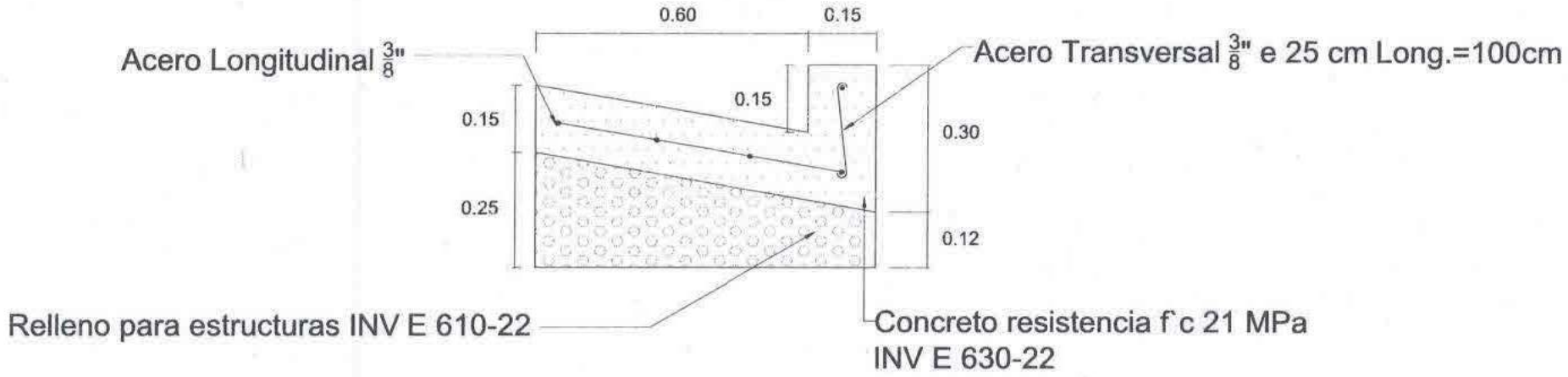
* Validez de la oferta: 15 días calendario
* Forma de pago: Se deben realizar ordenes de compras al correo **canteravillacarmensas@gmail.com** y sobre esa orden pagar de forma anticipada el material
* El material y transporte se cotizo por m3
* El valor del Material no incluye IVA, eso es convenir entre las partes.

Cordialmente,

Gloria Martinez G

GLORIA DEL SOCORRO MARTINEZ GARCES
c.c. 34.964.580
Representante Legal

DETALLE CUNETA



Acero de refuerzo fy 4200 kg/cm2 INV E 640-22

GOBERNACIÓN DE CÓRDOBA	CONSULTOR: CONVIAL, CONSORCIO CÓRDOBA				CONTRATO DE CONSULTORÍA N° SI-CMA-001-2024	ESTUDIOS Y DISEÑOS PARA LA CONSTRUCCIÓN Y/O MEJORAMIENTO Y/O REHABILITACIÓN DE INFRAESTRUCTURA VIAL EN EL DEPARTAMENTO DE CÓRDOBA	DETALLE CUNETAS	1 : 10	PLANO 1 DE 01	
									FECHA: JULIO DE 2026	ARCHIVO: CUNETAS DWG