TUGAS AKHIR

ANALISIS *IN-PLACE* STRUKTUR *FIXED JACKET PLATFORM* TIPE EMPAT KAKI *(IN-PLACE ANALYSIS OF FIXED JACKET PLATFORM STRUCTURE TYPE FOUR LEGS)*

Diajukan Kepada Universitas Islam Indonesia Yogyakarta Untuk Memenuhi Persyaratan Memperoleh Derajat Sarjana Teknik Sipil

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PROGRAM STUDI TEKNIK SIPIL
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
UNIVERSITAS ISLAM INDONESIA

2021

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untuk memperoleh derajat Sarjana Teknik Sipil

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PERNYATAAN BEBAS PLAGIASI

Saya menyatakan dengan sesungguhnya bahwa laporan Tugas Akhir yang saya susun sebagai syarat untuk penyelesaian program Sarjana di Program Studi Teknik Sipil, Fakultas Teknik Sipil dan Perencanaan, Universitas Islam Indonesia merupakan hasil karya saya sendiri. Adapun bagian-bagian tertentu dalam penulisan laporan Tugas Akhir yang saya kutip dari hasil karya orang lain telah dituliskan dalam sumbernya secara jelas sesuai dengan norma, kaidah, dan etika penulisan karya ilmiah. Apabila di kemuidan hari ditemukan seluruh atau sebagian laporan Tugas Akhir ini bukan hasil karya saya sendiri atau adanya plagiasi dalam bagian-bagian tertentu, saya bersedia menerima sanksi, termasuk pencabutan gelar akademik yang saya sandang sesuai dengan perundang-undangan yang berlaku.

Yogyakarta, Desember 2021

Yang membuat pernyataan,



Annas Nur Rohman

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KATA PENGANTAR

Puji syukur penulis panjatkan kehadiran Allah SWT karena berkat Rahmat dan Karunia-Nya penulis dapat menyelesaikan penyusunan skripsi ini. Shalawat serta salam semoga senantiasa terlimpah curahkan kepada Nabi Muhammad SAW, kepada keluarga, para sahabat, dan kepada umatnya hingga akhir zaman, *aamiin*.

Penulisan skripsi ini diajukan untuk memenuhi salah satu syarat memperoleh gelar Sarjana pada Program Studi Teknik Sipil, Fakultas Teknik Sipil dan Perencanaan, Universitas Islam Indonesia, Yogyakarta. Judul yang penulis ajukan adalah "Analisis *In-Place* Struktur *Fixed Jacket Platform* Tipe Empat Kaki".

Dalam penyusunan dan penulisan skripsi ini tidak terlepas dari bantuan, bimbingan serta dukungan dari berbagai pihak. Oleh karena itu dalam kesempatan ini penulis dengan senang hati menyampaikan terima kasih kepada yang terhormat:

1. Keluarga saya, ayah, ibu dan adik, atas semua pengorbanan, kesabaran, kasih sayang, dan didikannya hingga penulis bisa sampai sejauh ini.
2. Ibu Astriana Hardawati, S.T., M. Eng., selaku dosen pembimbing Tugas Akhir, terima kasih atas saran, bimbingan, nasehat dan waktunya selama penelitian dan penulisan skripsi ini.
3. Bapak Ir. Helmy Akbar Bale, M.T., selaku dosen penguji I yang telah memberikan masukkan terhadap skripsi ini agar menjadi lebih baik lagi.
4. Bapak Hariadi Yulianto, S.T., M.Eng., selaku dosen penguji II yang telah memberikan masukkan terhadap skripsi ini agar menjadi lebih baik lagi.
5. PT ZEE Indonesia yang telah mengizinkan penulis melakukan penelitian serta mendapatkan ilmu yang bermanfaat tentang bangunan *offshore*.
6. Dosen Program Studi Teknik Sipil UII yang telah membekali penulis dengan berbagai ilmu selama mengikuti perkuliahan sampai akhir penulisan skripsi.
7. Saudara-saudari ku, keluarga mahasiswa Teknik Sipil UII khususnya angkatan 2016, terima kasih atas semua kebersamaan, pelajaran, dan bantuan yang mewarnai kehidupan penulis pada masa kuliah dan menciptakan memori yang berharga.

Semoga Allah SWT memberikan balasan yang berlipat ganda kepada semuanya. Demi perbaikan selanjutnya, saran dan kritik yang membangun akan penulis terima dengan senang hati. Akhirnya, hanya kepada Allah SWT penulis serahkan segalanya mudah-mudahan dapat bermanfaat khusunya bagi penulis umumnya bagi kita semua.

Yogyakarta, Agustus 2021

Penulis,

Annas Nur Rohman

(16511242)

DAFTAR ISI

HALAMAN JUDUL		i
HALAMAN PENGESAHAN		ii
PERNYATAAN BEBAS PLAGIASI		iii
KATA PENGANTAR		iv
DAFTAR ISI		vi
DAFTAR GAMBAR		ix
DAFTAR TABEL		xii
DAFTAR LAMPIRAN		xiv
DAFTAR NOTASI DAN SINGKATAN		xv
ABSTRAK		xvii
ABSTRACT		xviii
BAB I	PENDAHULUAN	1
1.1	Latar Belakang	1
1.2	Rumusan Masalah	3
1.3	Tujuan Penelitian	4
1.4	Manfaat Penelitian	4
1.5	Batasan Penelitian	5
BAB II	TINJAUAN PUSTAKA	6
2.1	Tinjauan Umum	6
2.2	Penelitian Terdahulu	6
2.3	Keaslian Penelitian	11
BAB III	LANDASAN TEORI	17
3.1	*Offshore Structure*	17
3.2	*Fixed Jacket Platform*	20
3.2.1	Komponen Utama Struktur *Jacket Platform*	20

3.2.2 Desain *Deck* 22
3.2.3 Desain *Jacket* 22
3.3 Analisa *Inplace* 27
3.4 Beban yang Bekerja pada *Offshore* 28
3.5 *Software* SACS (*Structural Analysis Computer System)* 29
3.5.1 Pemodelan Struktur 30
3.5.2 *Member Local Coordinate System* 30
3.6 *Unity Check* 31
3.7 *Base Shear* 32
3.8 *Overturning Moment* 32
BAB IV METODE PENELITIAN 34
4.1 Data yang Diperlukan 34
4.2 Metode Pengumpulan Data 34
4.3 Lokasi KLB *Platform* 34
4.4 Struktur KLB *Platform* 35
4.5 Tahap Penelitian 37
BAB V HASIL DAN PEMBAHASAN 40
5.1 Data Umum 40
5.2 Data Beban 41
5.2.1 Beban Mati 42
5.2.2 Beban *Blanket* 43
5.2.3 Beban *Bulk* 43
5.2.4 Beban Hidup 45
5.2.5 Beban *Jacket Appurtenance* 46
5.2.6 Beban *Crane* 47
5.2.7 Beban akibat *YY Development Project* 47
5.2.8 Beban Peralatan 48
5.2.9 Beban *Piping* 50
5.2.10 Beban *Electrical* dan *Instrument* 50

5.3 Data Lingkungan 51
5.3.1 Kedalaman Laut 51
5.3.2 Angin 52
5.3.3 Arus 53
5.3.4 Gelombang 54
5.3.5 *Marine Growth* 54
5.3.6 Kinematika Gelombang 55
5.3.7 *Scouring* 55
5.3.8 Koefisien Hidrodinamika 55
5.4 Pemodelan Struktur 56
5.4.1 Grup Member 58
5.4.2 Kombinasi Beban 66
5.5 Analisis Statis *In-Place* 80
5.4.1 *Unity Check of Member* 80
5.4.2 *Base Shear* 89
5.4.2 *Overturning Moment* 91
5.6 Pembahasan 93
BAB VI KESIMPULAN DAN SARAN 99
6.1 Kesimpulan 99
6.2 Saran 100
DAFTAR PUSTAKA 101
LAMPIRAN 102

DAFTAR GAMBAR

Gambar 1.1 *KLB Platform* 2
Gambar 3.1 *Jacket Platform* 17
Gambar 3.2 *Gravity Platform* 18
Gambar 3.3 *Drill Ship* 19
Gambar 3.4 *Tension Leg Platform* 19
Gambar 3.5 Komponen *Jacket Platform* 21
Gambar 3.6 Bentuk Umum Pola *Brace* 24
Gambar 3.7 Sistem Koordinat Sumbu Lokal dan Global Pada Batang 31
Gambar 3.8 *Base Shear* Pada *Platform* 32
Gambar 3.9 *Overturning Moment* Pada *Platform* 33
Gambar 4.1 Lokasi KLA *Field* 35
Gambar 4.2 KLB *Platform* 36
Gambar 4.3 *Flow Chart* Penelitian 39
Gambar 5.1 KLB *Platform* 3D *Model* 40
Gambar 5.2 Dimensi Ketinggan Struktur *Jacket* (*feet*) 56
Gambar 5.3 Penamaan *Leg Jacket* KLB *Platform* 57
Gambar 5.4 Dimensi Lebar *Leg Jacket* (*Row* 2 – B) 57
Gambar 5.5 Dimensi Lebar *Leg Jacket* (*Row* 1 – 2) 58
Gambar 5.6 *Jacket Walkway* Grup Member 59
Gambar 5.7 *Jacket* Elevasi-1 Grup Member 60
Gambar 5.8 *Jacket* Elevasi-2 Grup Member 61
Gambar 5.9 Kaki *Jacket* Grup Member (*Isometric View*) 62
Gambar 5.10 Kaki *Jacket* Grup Member (*Detail View*) 62
Gambar 5.11 *Bracing Jacket* Grup Member (*Isometric View*) 63
Gambar 5.12 *Bracing Jacket* Grup Member (*Row* 1 - 2) 64
Gambar 5.13 *Bracing Jacket* Grup Member (*Row* B - A) 64

Gambar 5.14 *Bracing Jacket* Grup Member (*Row* 2 - B) 65
Gambar 5.15 *Bracing Jacket* Grup Member (*Row* 1 - A) 65
Gambar 5.16 Ilustrasi Setiap Arah Beban Lingkungan terhadap KLB *Platform* 68
Gambar 5.17 Lokasi Member 301-310 (*Isometric View*) 82
Gambar 5.18 Lokasi Member 301-310 (*Plan View*) 82
Gambar 5.19 Lokasi Member 312-303 (*Isometric View*) 83
Gambar 5.20 Lokasi Member 312-303 (*Plan View*) 83
Gambar 5.21 Hasil *Unity Check* Maskimum dengan Menggunakan SACS 12.0 (Kondisi Operasional) 84
Gambar 5.22 Lokasi Member 312-303 (*Isometric View*) 86
Gambar 5.23 Lokasi Member 312-303 (*Plan View*) 87
Gambar 5.24 Lokasi *Critical* Member Pada Grup P4F (*Isometric View*) 87
Gambar 5.25 Lokasi *Critical* Member Pada Grup P4F (*Plan View*) 88
Gambar 5.26 Hasil *Unity Check* Maskimum dengan Menggunakan SACS 12.0 (Kondisi Badai) 88
Gambar 5.27 Ilustrasi *Base Shear* pada KLB *Platform* 89
Gambar 5.28 Ilustrasi *Overturning Moment* pada KLB *Platform* 91
Gambar 5.29 Dimensi *Topside* KLB *Platform* (*Top View*) 94
Gambar L-1.1 *Modeler* 103
Gambar L-1.2 *PRECEDE* 104
Gambar L-1.3 *New Model Options* 104
Gambar L-1.4 Tampilan Lembar Kerja SACS v. 12 105
Gambar L-1.5 *Add Joint* 105
Gambar L-1.6 *Add Joint Absolute* 106
Gambar L-1.7 *Joint* 106
Gambar L-1.8 *Sub Menu Joint* 107
Gambar L-1.9 *Add Member* 109
Gambar L-1.10 *Input Joint* untuk *Member* 109
Gambar L-1.11 *Member* 110
Gambar L-1.12 *Member – Divide* 111

Gambar L-1.13 Tampilan Menu *Property* 112
Gambar L-1.14 Pembuatan Member Section (*Property*) 113
Gambar L-1.15 Tampilan Member setelah diberi Member Section (*Property*) 114
Gambar L-1.16 *Add Plate* 114
Gambar L-1.17 *Input Joint* untuk *Plate* 115
Gambar L-1.18 *Plate* 115
Gambar L-1.19 *Add Joint Load* 116
Gambar L-1.20 *Load Joints* 117
Gambar L-1.21 *Add* Load *members* 117
Gambar L-1.22 *Load Members* 118
Gambar L-1.23 *Load – Combine* 119

DAFTAR TABEL

Tabel 2.1 Perbedaan Penelitian Terdahulu dengan Penelitian yang Dilakukan 12
Tabel 3.1 Koefisien Panjang Efektif 25
Tabel 5.1 Data Umum KLB *Platform* 41
Tabel 5.2 Beban Mati 42
Tabel 5.3 Beban *Blanket* 43
Tabel 5.4 Beban *Bulk* 43
Tabel 5.5 Beban Hidup 45
Tabel 5.6 Beban *Jacket Appurtenance* 46
Tabel 5.7 Beban *Crane* 47
Tabel 5.8 Beban akibat *YY Development Project* 47
Tabel 5.9 Beban Peralatan 48
Tabel 5.10 Beban *Piping* 50
Tabel 5.11 Beban Beban *Electrical* dan *Instrument* 50
Tabel 5.12 Data Kedalaman Laut 52
Tabel 5.13 Data Kecepatan Angin 52
Tabel 5.14 Data Profil Arus 53
Tabel 5.15 Faktor Hambatan Arus 54
Tabel 5.16 Data Gelombang 54
Tabel 5.17 Koefisien Hidrodinamika 55
Tabel 5.18 Detail Grup Member *Jacket Walkway* 59
Tabel 5.19 Detail Grup Member *Jacket* Elevasi-1 60
Tabel 5.20 Detail Grup Member *Jacket* Elevasi-2 61
Tabel 5.21 Detail Grup Kaki *Jacket* 63
Tabel 5.22 Detail Grup *Bracing Jacket* 66
Tabel 5.23 Penamaan Kombinasi Beban 66
Tabel 5.24 Kombinasi Beban Kondisi Operasional 1-tahun (Maksimum *Water Depth*) 69

Tabel 5.25 Kombinasi Beban Kondisi Operasional 1-tahun (Minimum *Water Depth*) 72
Tabel 5.26 Kombinasi Beban Kondisi Badai 100-tahun (Maksimum *Water Depth*) 75
Tabel 5.27 Kombinasi Beban Kondisi Badai 100-tahun (Minimum *Water Depth*) 78
Tabel 5.28 Hasil *Unity Check of Member* (Operasional 1-tahun) 80
Tabel 5.29 Hasil *Unity Check of Member* (Badai 100-tahun) 84
Tabel 5.30 Hasil *Base Shear* (Operasional 1-tahun) 90
Tabel 5.31 Hasil *Base Shear* (Badai 100-tahun) 90
Tabel 5.32 Hasil *Overturning Moment* (Operasional 1-tahun) 92
Tabel 5.33 Hasil *Overturning Moment* (Badai 100-tahun) 92
Tabel 5.34 Gaya Dalam pada Member dengan Nilai UC > 1 94
Tabel 5.35 Hasil Perhitungan Tegangan 98
Tabel L.1-1 *Fixity* 108

DAFTAR LAMPIRAN

Lampiran 1	Tahapan Pemodelan Struktur Menggunakan SACS	99
Lampiran 2	SACS Input (*Geometry Model*)	116
Lampiran 3	*Reference Drawing*	211

DAFTAR NOTASI DAN SINGKATAN

API RP 2A	:	*American Petroleum Institute Recommended Practice for Planning, Designing, and Constructing Fixed Offshore*
WSD	:	*Working Stress Design*
LRFD	:	*Load and Resistance Factor Design*
UC	:	*Unity Check*
SACS	:	*Structure Analysis Computer System*
MMSCFD	:	*Million Standard Cubic Feet per Day*
BOPD	:	*Barrel of Oil per Day*
MSL	:	*Mean Sea Level*
HAT	:	*Highest Astronomical Tide*
k	:	Koefisien panjang efektif
l	:	Panjang
r	:	Radius girasi penampang melintang
D	:	Diameter
t	:	Ketebalan dinding
σ act	:	Tegangan yang terjadi
σ all	:	Tegangan izin
τ	:	Momen gaya / torsi
F	:	Gaya yang terjadi
d	:	Lengan momen
OD	:	*Outer Diameter*
ft	:	Satuan panjang, *Feet*
Mph	:	Satuan kecepatan, *miles per hour*
sec	:	Satuan waktu, *second*
kips	:	Satuan berat, *kips*
lb	:	Satuan berat, *pound*

Cd	:	*Coeficient Drag*
Cm	:	*Coeficient Inertia*
E	:	Modulus elastisitas
G	:	Modulus geser
Fy	:	Tegangan leleh
I	:	Inersia
A	:	Luas penampang
Fa	:	Tegangan ijin aksial
fa	:	Tegangan aktual akibat gaya aksial
Fb	:	Tegangan ijin *bending*
fby	:	Tegangan aktual pada sumbu akibat gaya *bending* sumbu Y
fbz	:	Tegangan aktual pada sumbu Z akibat gaya *bending* sumbu Z

ABSTRAK

Besarnya wilayah laut yang tersedia, memunculkan potensi sumber daya minyak dan gas yang menjanjikan bagi Indonesia, sehingga dibutuhkan infrastruktur anjungan lepas pantai sebagai penunjang untuk mengeksplor dan mengeksploitasi potensi sumber daya minyak dan gas tersebut. Berdasarkan konstruksinya, anjungan lepas pantai di Indonesia pada umumnya menggunakan *fixed jacket platform*. Hal tersebut dikarenakan *fixed jacket platform* sangat cocok digunakan untuk kondisi perairan laut Indonesia yang memiliki karakteristik: kedalaman dangkal, mempunyai dasar yang tebal dan lunak. Banyaknya variasi jumlah kaki pada *jacket platform* membuat peneliti ingin spesifik menganalisis struktur *platform* bertipe empat kaki dalam menerima beban statik (*in-place*) pada kondisi operasional dan kondisi badai.

Analisis *in-place* dilakukan terhadap salah satu platform di perairan Laut Jawa, yang telah mengalami proses modifikasi dari bentuk awal *platform* tersebut. Analisis dilakukan menggunakan *software* SACS (*Structure Analysis Computer System*) untuk mendapatkan nilai UC (*Unity Check*), *overturning moment* dan *base shear* yang terjadi pada *platform* tersebut.

Dari hasil analisis *in-place* dapat disimpulkan bahwa pada kondisi operasional maupun badai, terjadi kegagalan untuk beberapa member struktur *jacket platfrom* yang dapat dilihat dari besarnya nilai UC maksimal untuk kondisi operasional dan badai sebesar 1.13 dan 1.41. *Base shear* maksimum terjadi pada saat kondisi badai (*storm*) sebesar -1657.32 Kips dengan sudut datangnya beban lingkungan sebesar 270º (*load combination*: 6007). Ov*erturning moment* maksimum terjadi pada saat kondisi badai (*storm*) sebesar -243339.41 kips.ft terhadap sumbu Y dengan sudut datangnya beban lingkungan sebesar 180º (*load combination*: 6005).

Kata kunci: Analisis *In-place*, SACS, *Fixed Jacket Platform*, *Jacket* Empat Kaki, *Unity Check*

ABSTRACT

The large available sea area raises the potential for promising oil and gas resources for Indonesia, so offshore platform infrastructure is needed as a support to explore and exploit the potential of these oil and gas resources. Based on their construction, offshore platforms in Indonesia generally use a fixed jacket platform. This is because the fixed jacket platform is very suitable for the conditions of Indonesian marine waters which have the characteristics: shallow depth, has a thick and soft bottom. The large number of variations in the number of legs on the jacket platform makes researchers want to specifically analyze the structure of the four-legged platform in receiving static loads (in-place) under operational conditions and storm conditions.

In-place analysis was carried out on one of the platforms in the waters of the Java Sea, which had undergone a modification process from the initial form of the platform. The analysis was carried out using SACS (Structure Analysis Computer System) software to obtain the UC (Unity Check) value, overturning moment and base shear that occurred on the platform.

From the results of the in-place analysis, it can be concluded that in operational and storm conditions, there were failures for several members of the jacket platfrom structure which can be seen from the maximum UC value for operational and storm conditions of 1.13 and 1.41. Maximum base shear occurs during storm conditions of -1657.32 Kips with an angle of incidence of environmental load of 270º (load combination: 6007). The maximum overturning moment occurs during storm conditions of -243339.41 kips.ft to the Y axis with an angle of incidence of environmental load of 180º (load combination: 6005).

Kata kunci: *In-place Analysis*, SACS, *Fixed Jacket Platform, Four Legs Jacket, Unity Check*

BAB I
PENDAHULUAN

1.1 Latar Belakang

Indonesia merupakan negara kepulauan terbesar di dunia. Terbentang dari Sabang hingga Merauke, Indonesia memiliki luas total wilayah Indonesia sekitar 7,81 juta km^2. Dari total luas wilayah tersebut, 3,25 juta km^2 adalah lautan dan 2,55 juta km^2 adalah Zona Ekonomi Eksklusif. Hanya sekitar 2,01 juta km^2 yang berupa daratan. Dengan luasnya wilayah laut yang ada, Indonesia memiliki potensi kelautan yang sangat besar. Besarnya wilayah laut yang tersedia, memunculkan potensi sumber daya minyak dan gas yang menjanjikan bagi Indonesia, sehingga dibutuhkan infrastruktur anjungan lepas pantai sebagai penunjang untuk mengeksplor dan mengeksploitasi potensi sumber daya minyak dan gas tersebut.

Anjungan lepas pantai di Indonesia pada umumnya menggunakan *fixed jacket platform*. Hal tersebut dikarenakan *fixed jacket platform* sangat cocok digunakan untuk kondisi perairan laut Indonesia yang memiliki karakteristik: kedalaman dangkal, mempunyai dasar yang tebal dan lunak (Ainnilah, 2017). *Fixed jacket platform* memiliki variasi berdasarkan jumlah kakinya, diantaranya adalah tipe satu kaki (*monopod*), tiga kaki (*tripod*), empat kaki, enam kaki, hingga delapan kaki.

Fixed jacket platform tersusun dari beberapa bagian. Dibagian atas terdapat *topside*/*deck* yang menjadi tempat kegiatan operasional eksplorasi dan eksploitasi sumber daya minyak dan gas. Kemudian bagian *jacket* yang berfungsi untuk mempertahankan posisi anjungan lepas pantai, melindungi *pile*, dan membantu menopang *deck* serta struktur-struktur tambahan yang diperlukan seperti *barge bumper*, *boat landing*, *riser guard*, dan lain-lain. Bagian *jacket* umumnya tersusun oleh baja tubular dan disatukan dengan cara pengelasan. Bagian *pile* berfungsi untuk menopang dengan menyalurkan beban *platform* ke tanah.

Salahsatu *fixed jacket platform* yang telah berdiri di Indonesia adalah KLB *Platform*. *KLB Platform* merupakan *fixed jacket platform* dengan tipe empat kaki. *Platform* tersebut telah eksis di perairan Laut Jawa Indonesia sejak tahun 1984. Pada tahun 2015, bagian *topside* atau *deck* dari KLB *Platform* telah dimodifikasi dari bentuk awal platform tersebut didesain. KLB *Platform* ditunjukkan pada Gambar 1.1 berikut.



Gambar 1.1 KLB *Platform*

(Sumber : PT. ZEE Indonesia, 2014)

Adanya perubahan konfigurasi struktur pada KLB P*latform* akibat proses modifikasi, menarik peneliti untuk mengevaluasi atau menilai ulang kondisi *platform* yang telah terpasang tersebut. Melihat perubahan lingkungan yang dapat terjadi pada masa didirikannya KLB *Platform* dengan kondisi lingkungan yang sekarang, juga menjadi faktor pendukung perlunya analisis dilakukan untuk menilai kondisi KLB *Platform* dalam menerima beban lingkungannya.

Analisis *in-place* merupakan analisis dasar yang dilakukan untuk menilai serta memberikan gambaran apakah struktur mampu menahan beban eksisting yang bekerja. Analisis *in-place* adalah analisis yang dilakukan terhadap *platform* dengan pembebanan sesuai dengan kondisi eksisting lokasi *platform* tersebut akan dipasang. *Platform* akan dianalisis sebagai sebuah struktur lengkap dengan mempertimbangkan dua kondisi pembebanan, yaitu kondisi operasional (*operating condition*) dan kondisi ekstrim (*storm condition*). Dalam analisis *in-place*, *platform* dikatakan aman apabila setiap member *platform* memiliki nilai *unity check* ≤ 1 (satu). *Unity Check* adalah perbandingan antara tegangan yang terjadi dengan tegangan yang diijinkan. Sehingga nilai *unity check* yang melebihi 1 (satu) diartikan bahwa tegangan yang terjadi lebih besar dibandingkan dengan tegangan yang diijinkan.

Berdasarkan paparan diatas, penelitian ini bertujuan untuk menganalisis kemampuan KLB *Platform* yang merupakan *fixed jacket platform* bertipe empat kaki. Analisis yang dilakukan merupakan analisis dasar dalam proses perencanaan dan desain bangunan anjungan lepas pantai, yaitu analisis *in-place*. Hasil yang diharapkan dapat memberikan nilai yang menunjukkan kemampuan KLB *Platform* dalam kondisi operasional dan badai.

1.2 Rumusan Masalah

Permasalahan dalam penelitian ini dirumuskan sebagai berikut:

1. berapa besar respon struktur *jacket* (*overtuning moment* dan *base shear*) terhadap dua kondisi pembebanan, yaitu *operating condition dan storm condition*?
2. besar nilai kekuatan (*Unity Check*) pada struktur *jacket* terhadap dua kondisi pembebanan, yaitu *operating condition dan storm condition*?
3. bagaimana kemampuan struktur *jacket* dalam menerima beban statik (*in-place*)?

1.3 Tujuan Penelitian

Dari perumusan masalah di atas, dapat diambil suatu tujuan dari penelitian yang dilakukan, yaitu:

1. menghitung besar respon struktur *jacket* (*overtuning moment* dan *base shear*) terhadap dua kondisi pembebanan, yaitu *operating condition dan storm condition*.
2. menghitung nilai kekuatan (*Unity Check*) pada struktur *jacket* terhadap dua kondisi pembebanan, yaitu *operating condition dan storm condition* dengan menggunakan SACS (*Structural Analysis Computer System).*
3. untuk mengetahui kemampuan struktur *jacket* dalam menerima beban statik (*in-place*).

1.4 Manfaat Penelitian

Penelitian ini memberikan manfaat bagi mahasiswa maupun orang yang mempelajari bidang ketekniksipilan untuk mengetahui model anjungan lepas pantai *fixed jacket platform* dengan tipe empat kaki, serta memberikan wawasan dalam pembuatan model struktur anjungan lepas pantai dengan menggunakan bantuan software SACS. Hasil dari perhitungan respon struktur yang terbuat dari material baja dapat menjadi bahan yang dianalisa lebih lanjut untuk kepentingan keilmuan dan menjadi bahan perbandingan dengan struktur-struktur anjungan lepas pantai yang lainnya, sehingga menjadi data yang bermanfaat untuk berinovasi maupun mengembangkan struktur anjungan lepas pantai. Penelitian ini diharapkan dapat menjadi referensi untuk mahasiswa teknik sipil yang ingin merancang struktur anjungan lepas pantai dengan memperhitungkan analisa *in-place* dalam kondisi operasi (*operating condition*) dan kondisi ekstrim (*storm condition*).

1.5 Batasan Penelitian

Batasan masalah pada penelitian ini adalah sebagai berikut:

1. analisis dilakukan terhadap struktur *jacket* KLB *Platform*,
2. analisis yang digunakan dalam analisis adalah statik,
3. analisis yang dipakai untuk analisis struktur adalah analisis *in-place*, tidak termasuk analisis pondasi, seismik dan analisis dinamis terhadap respon struktur,
4. *software* yang digunakan dalam pemodelan struktur KLB *Platform* dan analisis struktur adalah SACS,
5. *software* yang digunakan dalam menghitung *Unity Check* (UC) peluang kegagalan batang/member menggunakan SACS,
6. beban yang bekerja pada struktur adalah beban vertikal (*payload*) dan beban lingkungan pada kondisi operasi dan ekstrim,

BAB II
TINJAUAN PUSTAKA

2.1 Tinjauan Umum

Berdasarkan standard API RP 2A (*American Petroleum Institute Recommended Practice for Planning, Designing, and Constructing Fixed Offshore*), terdapat dua metoda pembebanan yang dapat digunakan dalam merencanakan, mendesain dan membangun struktur *offshore*. Metoda tersebut adalah *Working Stress Design* (WSD) dan *Load and Resistance Factor Design* (LRFD). Segui (1994) dalam Fauzan (2017) menjelaskan bahwa dalam metoda *Working Stress Design* (WSD) pada prinsipnya sebuah batang atau *member* yang dirancang harus memiliki kekuatan yang cukup untuk menanggung tegangan yang disebabkan oleh beban maksimum sehingga tidak melebihi tegangan ijin. Tegangan ijin ini diperoleh dengan membagi tegangan leleh atau tegangan *ultimate* tekan/tarik dengan sebuah *safety factor*. Metoda *Load and Resistance Factor Design* (LRFD) diperoleh dari percobaan dan didasarkan pada konsep probabilitas. Ketidakpastian analisa yang digunakan untuk menetukan efek beban yang bekerja pada struktur dan proses *modelling* akan direpresentasikan dengan *load faktor*. Ketidakpastian ketahanan terhadap material *properties*, proses fabrikasi dan konstruksi akan direpresentasikan dengan *resistance factor.*

2.2 Penelitian Terdahulu

1. Analisa *In-place* Struktur *Jacket* Lepas Pantai Tipe *Triangle* dengan Pendekatan LRFD

   Penelitian yang dilakukan oleh Fauzan (2017) berjudul "Analisa *In-place* Struktur *Jacket* Lepas Pantai Tipe *Triangle* dengan Pendekatan LRFD" bertujuan untuk mengetahui kemampuan struktur *jacket* tipe *triangle* dalam menerima beban statik (*in-place*) dengan pendekatan LRFD. Analisa *in-place* dilakukan dengan menggunakan bantuan software SACS 5.7, dan dianalisa lebih

lanjut menggunakan standard *American Petroleum Institute Recommended Practice 2A – Load and Resistance Factor Design 1997* (API RP 2A – LRFD). Bangunan anjungan lepas pantai yang dipakai sebagai data dalam penelitian ini adalah ULA *Platform* yang terletak di barat laut dari Laut Jawa. Proyek ini merupakan salahsatu proyek industri yang dimiliki oleh PHE ONWJ (PERTAMINA). Konfigurasi dari struktur ULA *Platform* memiliki empat tingkat dek:

a. *Main Deck* T.o.S Elev. (+) 58'-0 "
b. *Wellhead Mezzanine* Deck T.o.S Elev. (+) 41'-8 "
c. *Cellar Deck* T.o.S Elev. (+) 33'-0 "
d. *Subcellar Deck* T.o.S Elev. (+) 23'-0 "

Untuk bagian *jacket* ULA *Platform* dipasang di kedalaman air 74,875 ft terhadap MSL. Struktur *jacket* memiliki satu *boatlanding*, dua *bargebumper*, satu *riser guard*, satu *riser* to UW *Platform*. Diameter kaki *jacket* adalah 34 inchi dengan empat tingkat *plan bracing*:

a. *Jacket Plan Bracing Elev.* (+) 12’-0” (*Jacket Walkway Level*)
b. *Jacket Plan Bracing Elev.* (-) 16’-0”
c. *Jacket Plan Bracing Elev.* (-) 46’-0”
d. *Jacket Plan Bracing Elev.* (-) 74’-10” (*Mudline Level*)

Hasil penelitian tersebut menunjukkan bahwa pada kondisi normal (*operating condition*) semua *member* memiliki nilai *unity check* yang tidak lebih besar daripada 1 (satu). Pada kondisi normal (tinggi gelombang 16,7 ft dan periode gelombang 7,1 sec) didapatkan nilai *unity check* maksimal sebesar 0,412. Sehingga *jacket* yang didesain, kuat untuk bertahan pada kondisi normal. Namun untuk kondisi badai (*storm condition*) terdapat satu *member* yang memiliki nilai *unity check* lebih dari 1 (satu), yaitu sebesar 1,042. Hal tersebut menunjukkan bahwa pada kondisi badai (tinggi gelombang 28,3 ft dan periode gelombang 9,4 sec) *jacket* yang didesain tidak memenuhi syarat keamanan struktur yang telah ditentukan. Respon struktur terhadap beban statis yang diterima menunjukkan adanya nilai *base shear* maksimal sebesar -1136,82 dan *overturning moment*

maksimal sebesar 45298,7 Kips-ft yang terjadi pada kondisi badai (*storm*) dengan sudut datangnya beban sebesar 270^{o}.

2. *Structure Strength Analysis Conventional Pile Fixed Jacket Platform in Natuna Sea Using Finite Element Method*

   Penelitian oleh Berlian dan Elyanto (2011) berjudul "*Structure Strength Analysis Conventional Pile Fixed Jacket Platform in Natuna Sea Using Finite Element Method*" meneliti nilai kekuatan struktur (*unity check*) dan mencari tahu bagaimana respon yang diberikan oleh salahsatu bagian dari *jacket platform* yaitu *pile* (*conventional*) baik pada saat kondisi normal (operasi) maupun pada kondisi badai (*storm*). Studi kasus yang dipakai dalam penelitian ini merupakan struktur *fixed jacket platform* yang berada di wilayah kepulauan Natuna. F*ixed jacket platform* yang digunakan adalah tipe 4 kaki, dengan panjang kaki sebesar 86,97 meter. Pada penelitian ini bagian *dec*k tidak dimodelkan, sehingga hanya bagian *jacket* dan *pile* yang diteliti. *Jacket* dimodelkan memiliki satu *riser* dan satu *conductor*. Kedalaman air (*water depth*) sebesar 80,3 meter. Struktur yang dimodelkan memiliki lima *horizontal framing*:

   a. *Horizontal Framing Elev.* (+) 6,67 meter
   b. *Horizontal Framing Elev.* (-) 10,09 meter
   c. *Horizontal Framing Elev.* (-) 29,293 meter
   d. *Horizontal Framing Elev.* (-) 51,238 meter
   e. *Horizontal Framing Elev.* (-) 80,3 meter

   Hasil penelitian tersebut menunjukkan bahwa pada kondisi operasi (tinggi gelombang 6,86 m dan periode gelombang 9,6 sec), nilai kekuatan struktur (*unity check*) maksimal adalah 0,396 dan memiliki nilai SF minimal sebesar 2,00 pada *member* 766. Pada kondisi badai (tinggi gelombang 10,00 m dan periode gelombang 10,50 sec), nilai kekuatan struktur (*unity check*) maksimal adalah 0,464 dan memiliki nilai SF minimal sebesar 1,66 pada *member* 766. Berdasarkan standar yang dipakai dalam penelitan tersebut, API RP2A WSD, struktur tersebut aman untuk kondisi operasi dan kondisi badai. Respon *pile* yang

diteliti terhadap beban pada struktur tersebut adalah berupa *overtuning moment*. Hasil nilai *overtuning moment* maksimal pada kondisi badai lebih besar dari pada kondisi operasi. Dari dua kondisi tersebut, nilai *overtuning moment* maksimal terjadi dari arah beban yang sama yaitu sebesar 45^{o}. *Overtuning moment* maksimal pada kondisi operasi dan kondisi badai masing-masing memiliki nilai sebesar -166277,359 kip.rad/s dan -182360,984 kip.rad/s.

3. Analisa Kekuatan Konstruksi *Jacket Platform* Terhadap Beban Gravitasi dan Interferensi Lingkungan di Perairan Madura Menggunakan FEM

   Penelitian oleh Veriyanto dkk. (2016) berjudul "Analisa Kekuatan Konstruksi *Jacket Platform* Terhadap Beban Gravitasi dan Interferensi Lingkungan di Perairan Madura Menggunakan FEM" memiliki tujuan untuk meneliti nilai kekuatan (*unity check*) *jacket platform* pada kondisi operasional dan kondisi badai. Selain memberikan beban struktur berupa berat operasional dan lingkungan disekitar perairan Madura, penelitian tersebut juga menambahkan variabel beban yang mungkin terjadi pada bagian *boatlanding* yaitu beban akibat tubrukan kapal. Kapal yang digunakan sebagai beban tubrukan adalah *crew boat* dengan kecepatan yang ditetapkan sebesar 0,5 m/s untuk kondisi operasi dan 1,5 m/s pada kondisi badai. Hal ini dilakukan karena *platform* yang diteliti merupakan *platform* yang disarankan untuk tidak dirapati vessel, sehingga analisa dilakukan dengan menggunakan jenis kapal yang relatif kecil.

   Struktur *offshore* yang dipakai sebagai data dalam penelitian tersebut adalah PHE-48 *Well Platform* yang berlokasi di *west* Madura. *Platform* yang digunakan merupakan *jacket platform* dengan tipe 3 kaki. *Platform* tersebut memiliki tiga tingkatan d*eck*, yaitu: *main deck, mezzaine deck*, dan *cellar deck*. Pada bagian *jacket* terdapat *boatlanding, walkway, anode, conductor*, dan *riser*.

   Hasil penelitian tersebut menunjukkan bahwa nilai kekuatan struktur *fixed jacket platform* pada kondisi operasi memiliki UC max sebesar 0,78 dan pada kondisi badai memiliki UC max sebesar 0,96. Masing-masing kondisi tersebut telah memenuhi standar yang dipakai dalam penelitan tersebut, API RP2A WSD,

yaitu UC ≤ 1,00. Sehingga struktur *fixed jacket platform* tersebut dalam keadaan aman pada kondisi operasi maupun kondisi badai.

4. Analisis *Ultimate Strength* Struktur *Jacket Platform* Berbasis Keandalan dengan Variasi Jenis Tanah

   Penelitian oleh Pratama (2017) berjudul "Analisis *Ultimate Strength* Struktur *Jacket Platform* Berbasis Keandalan dengan Variasi Jenis Tanah" meneliti keandalan struktur akibat pengaruh variasi jenis tanah dalam kondisi ultimate, serta mengetahui hubungan antara parameter-parameter tanah terhadap *ultimate strength*. Peneliti menggunakan tiga variasi tanah (Tipe-X, Tipe-Y, Tipe-Z). Masing-masing tipe tanah diambil dari lokasi yang berbeda. Tiga tipe tersebut memiliki konfigurasi penyusun tanah yang berbeda. Perbedaan konfigurasi penyusun tanah menyebabkan adanya penyesuaian terhadap penetrasi kedalaman *pile* untuk mendukung keandalan *pile* di setiap variasi tanah. Hal tersebut dipengaruhi oleh perbedaan parameter tanah (*end bearing capacity dan skin friction*) dari tiap variasi. Kedalaman penetrasi *pile* untuk tipe X, Y, dan Z masing-masing sebesar 100 ft, 75 ft, dan 49 ft. Analisa statis *in-place* pada penelitian tersebut hanya dilakukan terhadap satu arah pembebanan saja dan dikelompokkan menjadi 2 macam, yaitu *jacket* dan *pile.* Model struktur yang digunakan pada penelitian tersebut adalah *jacket wellhead tripod platform* JOB PetroChina-Pertamina Salawati yang berada di perairan utara Jawa. *Platform* tersebut memiliki beberapa bagian, yaitu:

   a. *Main Deck* T.o.S Elev. (+) 49,3 ft
   b. *Wellhead Mezzanine* Deck T.o.S Elev. (+) 40,1 ft
   c. *Cellar Deck* T.o.S Elev. (+) 24,1 ft
   d. *Boat Landing* T.o.S Elev. (+) 15,2 ft

   Hasil penelitian tersebut menunjukkan bahwa *unity check* maksimal (UC max) kelompok *jacket* dan *pile* pada variasi tanah tipe-X memiliki nilai paling besar dibandingkan dengan variasi tanah yang lainnya. Besar UC max untuk kelompok *jacket* dengan tipe tanah X, Y, dan Z masing-masing memiliki nilai sebesar

0,784; 0,672; dan 0,645. Besar UC max untuk kelompok *pile* dengan tipe tanah X, Y, Z masing-masing memiliki nilai sebesar 0,579; 0,514; dan 0,486. Dari penelitian tersebut, seluruh member dari struktur *jacket wellhead tripod platform* JOB PetroChina-Pertamina Salawati memiliki nilai UC ≤ 1. Nilai *unity check* tersebut hanya dianalisa terhadap kondisi badai (*storm condition*), sehingga *platform* tersebut dapat disimpulkan didesain kuat untuk menahan beban dalam kondisi badai (*storm condition*).

2.3 Keaslian Penelitian

Penelitian-penelitian terdahulu yang berhubungan dengan judul penelitian saat ini terdapat perbedaan. Sehingga penelitian yang dilakukan oleh peneliti dapat dipertanggungjawabkan keasliannya. Perbedaan penelitian terdahulu dengan penelitian ini dapat dilihat pada Tabel 2.1.

Tabel 2.1 Perbedaan Penelitian Terdahulu dengan Penelitian yang Dilakukan

Uraian	**Berlian dan Elyanto (2011)**	**Veriyanto dkk. (2016)**	**Fauzan (2017)**	**Pratama (2017)**	**Penulis (2020)**
Judul	*Structure Strength Analysis Conventional Pile Fixed Jacket Platform in Natuna Sea Using Finite Element Method*	Analisa Kekuatan Konstruksi *Jacket Platform* Terhadap Beban Gravitasi dan Interferensi Lingkungan di Perairan Madura Menggunakan FEM	Analisa *Inplace* Struktur *Jacket* Lepas Pantai Tipe *Triangle* dengan Pendekatan LRFD	Analisis *Ultimate Strength* Struktur *Jacket Platform* Berbasis Keandalan dengan Variasi Jenis Tanah	Analisa *Inplace* Struktur *Fixed Jacket Platform* Tipe Empat Kaki
Metoda Pembebanan	API RP2A - WSD	API RP2A - WSD	API RP2A - LRFD	API RP2A - WSD	API RP2A - WSD
Platform	Salahsatu *platform* yang sedang dibangun pada saat penelitian	PHE-48 *Well Platform*	ULA *Platform*	JOB PetroChina-Pertamina Salawati *Platform*	KLB *Platform*

Lanjutan Tabel 2.1 Perbedaan Penelitian Terdahulu dengan Penelitian yang Dilakukan

Uraian	**Berlian dan Elyanto (2011)**	**Veriyanto dkk. (2016)**	**Fauzan (2017)**	**Pratama (2017)**	**Penulis (2020)**
Tipe Struktur	*Fixed Jacket Platform* tipe 4 kaki	*Fixed Jacket Platform* tipe 3 kaki	*Fixed Jacket Platform* tipe 3 kaki	*Fixed Jacket Platform* tipe 3 kaki	*Fixed Jacket Platform* tipe 4 kaki
Lokasi	Kepulauan Natuna Koordinat : 553,926.13 mN 565,372.74 mE	Perairan Madura	Barat Laut dari Laut Jawa Koordinat, Latitude : 06^{o} 5’ 39.44” S Longitude : 107^{o} 42’ 29.07” E	Perairan Utara Jawa	Laut Jawa, Koordinat, Latitude : 06^{o} 02’ 30.68” S Longitude : 107^{o} 30’ 59.16” E
Arah Pembebanan Lingkungan	8 Arah	12 Arah	12 Arah	1 Arah	8 Arah
Analisa statis *Inplace* terhadap kondisi	Operasi dan Badai	Operasi dan Badai	Operasi dan Badai	Badai	Operasi dan Badai

Lanjutan Tabel 2.1 Perbedaan Penelitian Terdahulu dengan Penelitian yang Dilakukan

Uraian	Berlian dan Elyanto (2011))	Veriyanto dkk. (2016)	Fauzan (2017)	Pratama (2017)	Penulis (2020)
Hasil Penelitian	1. Pada kondisi normal (tinggi gelombang 6,86 m dan periode gelombang 9,6 sec) didapatkan nilai UC maksimal sebesar 0,396 dan memiliki nilai SF minimal sebesar 2,00. Sehingga *platform* yang didesain, kuat untuk bertahan pada kondisi normal.	1. Pada kondisi normal (tinggi gelombang 17 ft dan periode gelombang 7,2 sec) didapatkan nilai UC maksimal sebesar 0,78. Sehingga *platform* yang didesain, kuat untuk bertahan pada kondisi normal	1. Pada kondisi normal (tinggi gelombang 16,7 ft dan periode gelombang 7,1 sec) didapatkan nilai UC maksimal sebesar 0,412. Sehingga *platform* yang didesain, kuat untuk bertahan pada kondisi normal.	1. Pada kelompok *jacket* didapatkan nilai UC maksimal sebesar 0,784. Nilai UC maksimal tersebut terjadi pada variasi tanah-X. Dengan nilai UC ≤ 1, maka *jacket* yang didesain, kuat untuk bertahan pada kondisi badai.	

Lanjutan Tabel 2.1 Perbedaan Penelitian Terdahulu dengan Penelitian yang Dilakukan

Uraian	Berlian dan Elyanto (2011))	Veriyanto dkk. (2016)	Fauzan (2017)	Pratama (2017)	Penulis (2020)
Hasil Penelitian	2. Pada kondisi badai (tinggi gelombang 10 m dan periode gelombang 10,5 sec) didapatkan nilai UC maksimal sebesar 0,464 dan memiliki nilai SF minimal sebesar 1,66. Sehingga *platform* yang didesain, kuat untuk bertahan pada kondisi badai.	2. Pada kondisi badai (tinggi gelombang 30 ft dan periode gelombang 10 sec) didapatkan nilai UC maksimal sebesar 0,96. Sehingga *platform* yang didesain, kuat untuk bertahan pada kondisi badai.	2. Pada kondisi badai (tinggi gelombang 28,3 ft dan periode gelombang 9,4 sec) terdapat satu *member* yang memiliki nilai *unity check* (UC) lebih dari 1 (satu), yaitu sebesar 1,042. Sehingga *platform* yang didesain, tidak kuat untuk bertahan pada kondisi badai.	2. Pada kelompok *pile* didapatkan nilai UC maksimal sebesar 0,579. Nilai UC maksimal tersebut terjadi pada variasi tanah-X. Dengan nilai UC ≤ 1, maka *pile* yang didesain, kuat untuk bertahan pada kondisi badai.	

Lanjutan Tabel 2.1 Perbedaan Penelitian Terdahulu dengan Penelitian yang Dilakukan

Uraian	Berlian dan Elyanto (2011))	Veriyanto dkk. (2016)	Fauzan (2017)	Pratama (2017)	Penulis (2020)
Hasil Penelitian	3. Respon *pile* terhadap beban statis yang diterima menunjukkan adanya nilai *overturning moment* maksimal sebesar 182360,984 kip.rad/s yang terjadi pada kondisi badai (*storm*) dengan sudut datangnya beban sebesar 45^{o}.		3. Respon struktur terhadap beban statis yang diterima menunjukkan adanya nilai *base shear* maksimal sebesar -1136,82 dan *overturning moment* maksimal sebesar 45298,7 Kips-ft yang terjadi pada kondisi badai (*storm*) dengan sudut datangnya beban sebesar 270^{o}.		

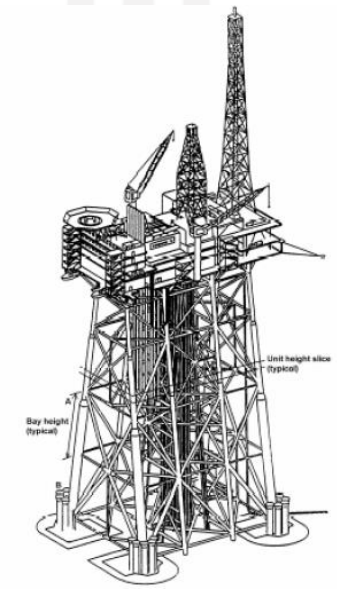
BAB III
LANDASAN TEORI

3.1 *Offshore Structure*

Struktur anjungan lepas pantai yang dibangun untuk mengeksplorasi minyak dan gas memiliki jenis yang berbeda-beda. Dibutuhkan penyesuain desain terhadap struktur anjungan lepas pantai tergantung pada kedalaman air dan kondisi lingkungan (Nallayarasu, 2012). Struktur anjungan lepas pantai berdasarkan konstruksinya dapat dikelompokkan sebagai berikut.

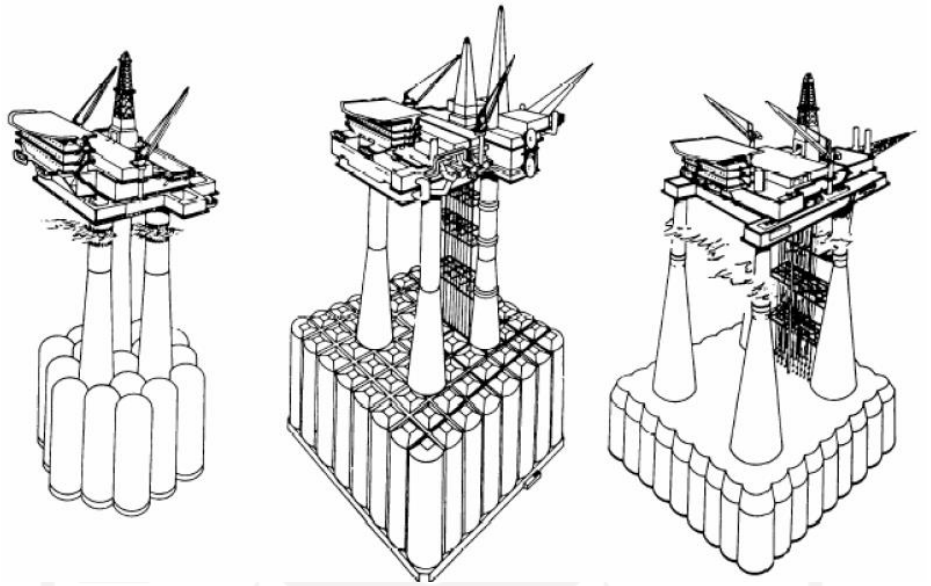
1. Anjungan Terpancang (*Fixed Offshore Platform*)

   Anjungan tipe ini merupakan tipe yang paling tua dan paling banyak digunakan. Tipe ini sangat cocok untuk digunakan pada lokasi yang memiliki kedalaman dangkal hingga medium dan memiliki lapisan tanah yang tebal serta lunak. Contoh dari anjungan tipe ini diantaranya *jacket platform,* dan *grafity platform* pada Gambar 3.1 dan Gambar 3.2 berikut.



Gambar 3.1 *Jacket Platform*

(Sumber : Coppes, 1996)

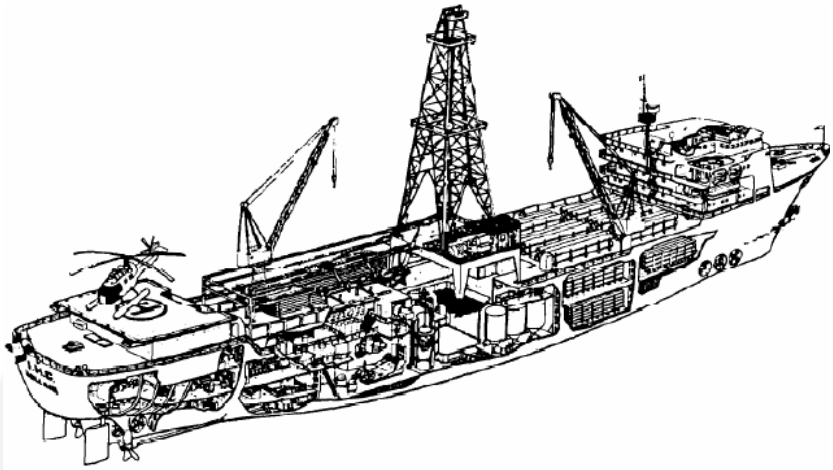


Gambar 3.2 *Gravity Platform*

(Sumber : Coppes, 1996)

2. Anjungan Terapung (*Floating Offshore Platform*)

   Tipe ini memiliki keunggulan dalam hal mobilitas struktur. Kemampuan untuk mengantisipasi gerakan akibat arus laut dan gelombang membuat tipe ini dapat bergerak mengikuti gerakan gelombang. Anjungan terapung menggunakan peralatan mekanik *mooring lines* yang berfungsi untuk menahan anjungan agar tetap berada di posisi yang direncanakan. Contoh dari tipe ini adalah *drill ship* pada Gambar 3.3 berikut.

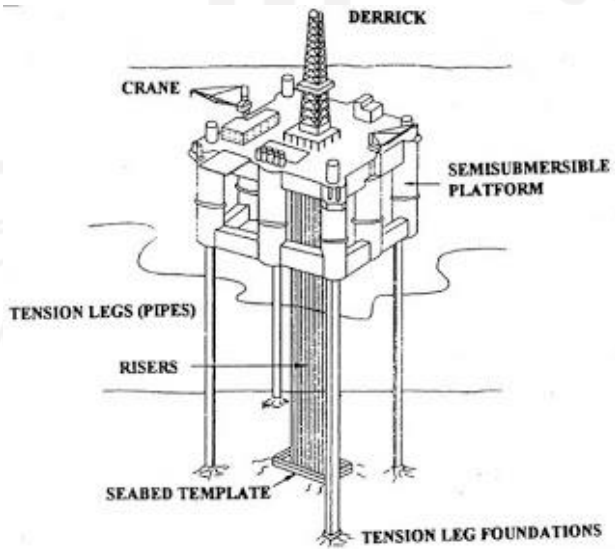


Gambar 3.3 *Drill Ship*

(Sumber : Wichers, 1992)

3. Anjungan Struktur Lentur (*Compliant Offshore Platform*)

   Tipe ini memiliki karakteristik fleksibel, sehingga dapat dioperasikan di laut dalam sampai batas tekanan dari angin dan laut yang dapat ditolerir. Pada umumnya bentuknya memanjang dari dasar laut ke bagian atas seperti tower. Contoh dari anjungan tipe ini adalah *tension leg platform* pada Gambar 3.4 berikut.



Gambar 3.4 *Tension Leg Platform*

(Sumber : Coppes, 1996)

3.2 *Fixed Jacket Platform*

Fixed Jacket Platform merupakan tipe anjungan lepas pantai yang mulai digunakan sejak awal industri eksplorasi dan eksploitasi minyak dan gas bumi. Struktur ini dipancang dengan *pile* yang memiliki *lateral stiffness* untuk menahan beban angin, gelombang, dan arus pada kedalaman laut sekitar 0-400 meter (Ainnilah, 2017).

3.2.1 Komponen Utama Struktur *Jacket Platform*

Struktur *jacket* dibedakan menjadi 3 (tiga) komponen utama, dimana masing-masing komponen mempunyai fungsi yang berbeda-beda. Tiga komponen utama tersebut adalah:

1. Pondasi

   Tiang pancang yang diletakkan didalam kaki *jacket* akan dipancangkan pada dasar laut. Antara *pile* dengan *jacket* terkadang dilakukan *grouting* untuk menambah kekakuan dan agar *pile* dan *jacket* menyatu. *Skirt pile* dan *sleeves* selalu diberi pengisi (*grouting*).

2. *Jacket*

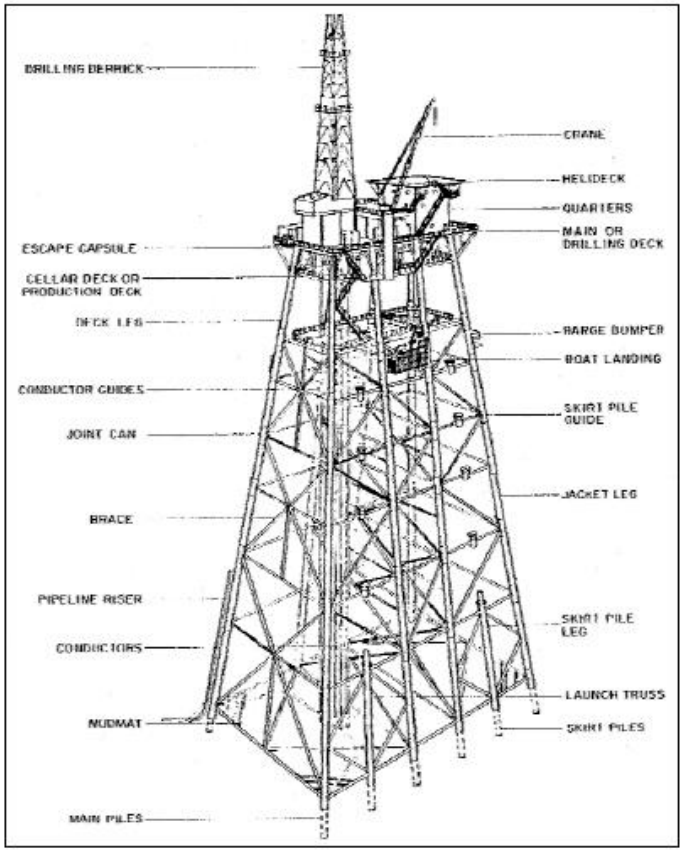
   Komponen ini berfungsi untuk melindungi *pile* agar tetap pada posisinya, menyokong *deck* dan melindungi *conductor* serta menyokong sub-struktur lainnya seperti *boat landing, barge bumper,* dan lain-lain. Elemen utama struktur *jacket* adalah sebagai berikut:

   a. kaki *jacket,*
   b. *braces* (penguat) *vertical, horizontal dan diagonal*,
   c. *joint* pertemuan antara kaki *jacket* dan *braces,*
   d. *skirt pile,* dan
   e. *boat landing, barge bumper, riser, conductor bracing, mud-muts,* dan lain sebagainya.

3. *Deck*

Komponen ini berfungsi untuk menyokong peralatan, pengeboran dan kegiatan yang dikerjakan di atas air. *Deck* bisa dibagi-bagi menjadi beberapa tingkat sesuai dengan kebutuhan dan fungsi yang dibutuhkan. Beberapa tingkatan *deck* tersebut adalah:

a. *main deck* (dek utama),
b. *cellar deck,*
c. *mezzanine deck,*
d. *upper deck.*



Gambar 3.5 Komponen *Jacket Platform*

(Sumber : McClelland & Reifel, 1996)

3.2.2 Desain *Deck*

Secara fungsi, *deck* terbagi atas beberapa tingkat, yaitu:

1. *main deck*, berfungsi sebagai tempat sistem pengeboran beberapa modul lainnya seperti *living quarter*, *compressor*, dan lain-lain,
2. *cellar deck*, berfungsi sebagai tempat sistem yang diletakkan di bagian bawah seperti pompa, *christmas trees*, dan lain-lain,
3. *deck* tambahan apabila diperlukan.

Penentuan konfigurasi *deck* mempertimbangkan kebutuhan luas, jumlah *level* (tingkat), *layout equipment*, dan lain-lain. Komponen utama struktur *deck* terdiri dari :

1. *deck leg*,
2. rangka utama (*main truss*) dan rangka angin (*wind truss*),
3. *deck beam* (balok utama *deck*),
4. *deck plate* atau *deck grating*, dan
5. *skid beam* (bila pengeboran direncanakan menggunakan *tender rig*).

3.2.3 Desain *Jacket*

Jacket adalah tiang-tiang disekitar sumur eksplorasi yang melindungi pompa-pompa, sumur pengeboran dan lainnya. *Jacket* dipasang mulai dari garis *mudline* sampai *deck* substruktur. Kaki *jacket* mengarahkan *pile* sewaktu pemancangan *pile*. *Jacket* termasuk elemen struktur yang mendasar pada *platform* yang memberi dukungan terhadap tumbukan kapal yang berlabuh, sistem proteksi terhadap korosi, sistem navigasi dan lain-lain.

1. Penentuan Dimensi Kaki *Jacket*

   Tidak ada ketentuan pasti mengenai ukuran dan kemiringan *jacket*. Penentuan dimensi *jacket* dilakukan berdasarkan pengalaman sebelumnya. Aturan yang baik adalah memperkecil luas proyeksi batang didaerah dekat permukaan air sehingga memperkecil beban lingkungan yang diterima struktur.

   Ketebalan dinding *jacket* didesain untuk dapat menahan gaya aksial, tegangan lentur (*bending stress*) dan deformasi. Untuk ketebalan dinding *jacket* biasanya dipakai ½ inchi sampai 2½ inchi. Kurang dari ½ inchi menyebabkan masalah

korosi cepat terjadi. Ketebalan lebih dari 2½ inchi menyebabkan kesulitan dalam fabrikasi dan sering terjadi patahan di daerah titik pengelasan antar *braces*.

2. Susunan Rangka

   Kaki-kaki *jacket* saling dihubungkan dan diikat oleh 3 jenis pengaku (*bracing*) yaitu:

   a. *bracing* diagonal pada bidang vertikal,
   b. *bracing* horisontal pada bidang horisontal, dan
   c. *bracing* diagonal pada bidang horisontal.

   Sistem *bracing* memiliki 3 fungsi:

   a. membantu memindahkan beban-beban horisontal ke pondasi,
   b. memberikan kesatuan struktural selama fabrikasi dan instalasi, dan
   c. menyokong anoda korosi dan kepala konduktor dan meneruskan gaya-gaya gelombang yang dihasilkan ke pondasi.

3. Tipe-tipe Bentuk *Braces*

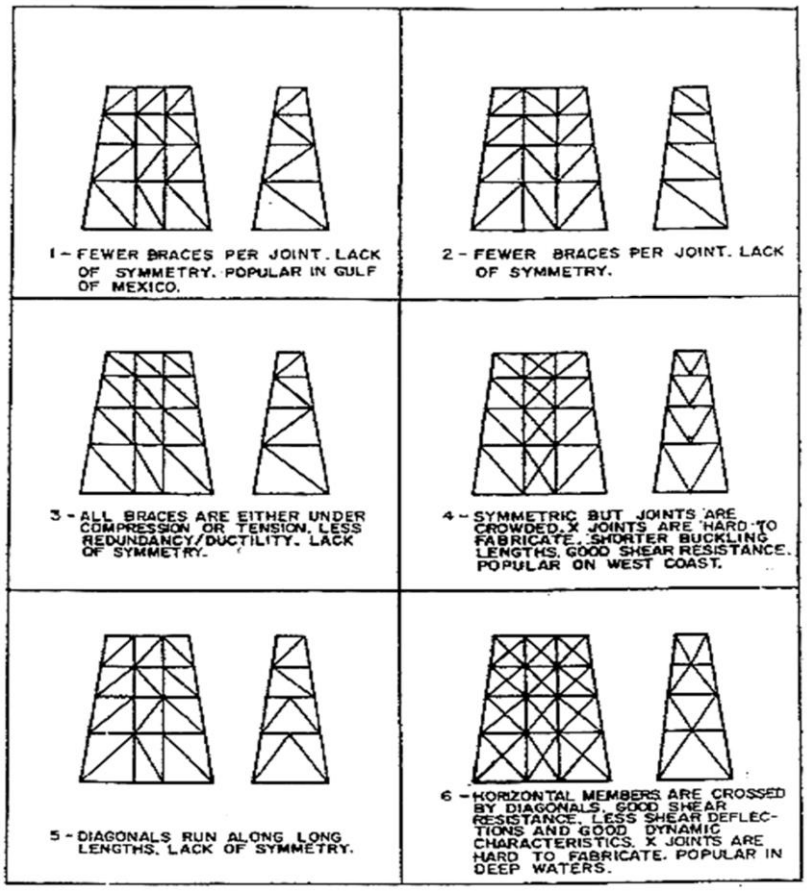
   Braces yang berbentuk vertikal, horisontal, dan diagonal bersama kaki *jacket* membentuk suatu sistem kekakuan tersendiri. Sistem kekakuan ini menjalarkan beban dan gaya dari *platform* ke pondasinya. Ada banyak macam tipe-tipe bentuk *braces* seperti berikut.

   a. Tipe 1 – Bentuk pola K *braced*
      1) Tipe ini mempunyai jumlah titik pertemuan batang (*joint*) yang lebih sedikit.
      2) Tidak simetris dan tidak mempunyai sistem redundansi.
      3) Biasanya dipakai pada lokasi yang tidak membutuhkan kekakuan tinggi dan tidak ada gaya seismik.
   b. Tipe 2 dan 5 – Bentuk pola V *braced*
      1) Jumlah *joint* pada tipe ini sedikit dan tidak mempunyai sistem redundansi.
      2) Tidak mempunyai sistem transfer beban yang baik dari satu level ke level yang lain.

c. Tipe 3 – Bentuk pola N *braced*
   1) Tidak mempunyai sistem redundansi.
   2) Kegagalan *buckling* pada salah satu batang tekan dapat menyebabkan kegagalan pada batang lain (struktur *collapse*).

d. Tipe 4 – Bentuk pola V dan X *braced*
   1) Digunakan pada lokasi yang tidak dalam.
   2) Mempunyai bentuk simetris, redundansi dan daktilitas cukup.
   3) Jumlah *joint* lebih banyak.

e. Tipe 6 – Bentuk pola semua X *braced*
   1) Mempunyai kekakuan horisontal, daktilitas dan redundansi yang tinggi.
   2) Jumlah *joint* lebih banyak sehingga butuh banyak pengelasan.
   3) Banyak digunakan pada lokasi laut dalam dan daerah rawan gempa.



Gambar 3.6 Bentuk Umum Pola *Brace*

(Sumber: Rahardiana, 2008)

4. Ukuran *Braces*

Gaya yang bekerja dominan pada *braces* berpenampang lingkaran adalah gaya aksial. Berdasarkan Fauzan (2017), diameter *braces* ditentukan berdasarkan rasio kerampingan seperti pada Persamaan 3.1.

$$60 < \frac{kL}{r} < 90 \quad \text{..... (3.1)}$$

dengan:

k = koefisien panjang efektif

L = panjang

r = radius girasi penampang melintang

Koefisien panjang efektif (k) tergantung dari kondisi ujung-ujung kolom ditunjukkan pada Tabel 3.1.

Tabel 3.1 Koefisien Panjang Efektif (k)

Situation	*Effective Length Factor, k*
Jacket Leg & Piling	
Grouted Composite Section	1.0
Ungrouted Jacket Legs	1.0
Ungrouted Piling Between Shim Point	1.0
Jacket Braced	
Face to face Length of Main Diagonals	0.8
Face of Leg to Centerline of Joint Length of K-Braced	0.8
Longer Segment Length of X-Braced	0.9
Secondary Horizontals	0.7
Deck Truss Chord Members	1.0

Lanjutan Tabel 3.1 Koefisien Panjang Efektif (k)

Situation	*Effective Length Factor, k*
Deck Truss Web Members	
In-Plane Action	0.8
Out-of-Plane Action	1.0

Sumber: API RP 2A

Berdasarkan Fauzan (2017), perbandingan antara diameter dan ketebalan harus memenuhi Persamaan 3.2.

$$19 < \frac{D}{t} < 90 \quad \text{..... (3.2)}$$

dengan:

D = diameter

t = ketebalan dinding

Dilihat dari kedalaman laut (h dalam *feet*), berdasarkan Fauzan (2017) perencana perlu melakukan pemeriksaan hidrostatik apabila rasio antara diameter dan ketebalan memenuhi Persamaan 3.3.

$$\frac{D}{t} > \frac{250}{h^{\frac{1}{3}}} \quad \text{..... (3.3)}$$

Bila kemiringan kaki *jacket* bertambah, akan berpengaruh pada:

a. beban aksial pada tiang menurun,
b. beban horisontal pada kepala tiang lebih besar,
c. luas proyeksi tiang pada horisontal bertambah,
d. gaya gelombang pada *jacket* bertambah,
e. kedalaman pemancangan lebih dangkal,
f. beban *jacket* bertambah, dan
g. efisiensi menurun.

3.3 Analisis *In-place*

Analisis *in-place* merupakan analisa statik dari struktur anjungan lepas pantai. Analisis ini merupakan salah satu analisis dasar dalam proses *platform analysis*, sebelum dilakukan analisis lebih lanjut untuk mengetahui kelayakan sebuah *platform* seperti analisis dinamik, seismik, *fatigue*, *pushover*, dll. Analisis *in-place* dilakukan terhadap dua kondisi, yaitu:

1. Kondisi *operating*

   Pada kondisi ini, anjungan beroperasi secara normal sehingga struktur menerima seluruh beban kerja yang ada. beban lingkungan yang terjadi pada struktur seperti beban gelombang, angin dan arus diambil harga ekstrim untuk periode ulang 1 tahun.

2. Kondisi badai (*storm*)

   Kondisi ini merupakan kondisi terjadinya badai pada lokasi struktur. Fauzan (2017) menyatakan bahwa pada kondisi ini tidak akan ada beban *work over rig live*, sedangkan beban hidup pada tiap *level deck* dianggap tereduksi sebesar 25%. Selain itu dianggap *crane* tidak bekerja, akibatnya hanya ada nilai beban *crane* vertikal saja. *Allowable stress* dari tiap batang dinaikkan harganya sebesar 133% menurut peraturan dari AISC.

   Dalam praktiknya, analisa *in-place* dilakukan dengan bantuan *software* seperti SACS (*Structure Analysis Computer System*). Analisa dilakukan dengan anggapan bahwa struktur dan *pile* mempunyai kekakuan linier, dan tanah mempunyai kekakuan non linier. Kekakuan model ditentukan oleh batang–batang struktur utama dari *deck*, *caisson*, *brace*, dan *pile*. Konduktor dan *boatlanding* dianggap bukan merupakan bagian dari struktur, sehingga tidak memberikan konstribusi terhadap kekakuan struktur, tetapi hanya menyalurkan gaya lingkungan yang diterima kepada struktur utama. Beban lingkungan yang bekerja seperti beban gelombang, angin dan arus dianggap sebagai beban statik dan dikombinasikan dari beberapa arah penjuru mata angin.

3.4 Beban yang Bekerja pada *Offshore*

Berdasarkan API RP 2A – WSD beban-beban yang harus dipertimbangkan dalam perancangan bangunan anjungan lepas pantai, adalah sebagai berikut :

1. *Dead Load*

   Beban mati adalah beban dari komponen-komponen kering serta beban-beban dari peralatan, perlengkapan dan permesinan yang tidak berubah dari mode operasi pada suatu bangunan lepas pantai. Adapun beban mati tersebut dapat dikelompokkan sebagai berikut :

   a. Berat dari struktur bangunan lepas pantai seperti tiang pancang, deck, *jacket*, railing
   b. Beban akibat gaya-gaya hidrodinamis yang bekerja pada struktur di bawah sarat air termasuk tekanan eksternal dan cadangan daya apung
   c. Berat perlatan permanen dan pelengkap yang termuat dalam *platform*

2. *Live Load*

   Beban hidup adalah beban yang terjadi pada *platform* atau bangunan lepas pantai selama dipakai/berfungsi dan berubah dari mode operasi satu ke mode operasi yang lain. Adapun yang termasuk beban hidup dapat dikategorikan sebagai berikut :

   a. Berat peralatan permanen pengeboran dan produksi
   b. Berat peralatan pendukung pengeboran dan produksi
   c. Berat cairan dan konsumsi logistik dalam tangki penyimpanan
   d. Beban akibat gaya-gaya yang disertakan dalam operasi struktur seperti *crane* dan sebagainya. Gerakan *crane* terbatas dan dipengaruhi oleh deadloadnya karena termasuk struktur tetap
   e. Berat fasilitas-fasilitas akomodasi, heliport dan fasilitas penunjang awak lainnya seperti peralatan selam, keselamatan dan sebagainya yang dapat ditambahkan atau dihilangkan dari *platform*
   f. Beban akibat gaya-gaya yang disertakan dalam operasi struktur seperti alat-alat pengeboran, material pengeboran, kapal angkut, penambatan kapal dan beban helikopter

3. *Environmental Load*

   Beban lingkungan adalah beban yang terjadi karena dipengaruhi oleh fenomena alam di lokasi suatu bangunan lepas pantai dioperasikan seperti angin, arus, gelombang, gempa, salju, es, dan gerakan bumi. Beban lingkungan juga termasuk variasi tekanan hidrostatik dan cadangan daya apung pada bagian struktur karena perubahan sarat air akibat gelombang dan pasang surut. Beban lingkungan harus diantisipasi dari segala arah meskipun kondisi spesifik lingkungan asli belum diketahui secara pasti.

4. *Accidental Load*

   Beban kecelakaan merupakan beban yang tidak dapat diduga sebelumnya yang mungkin terjadi pada suatu bangunan lepas pantai. Beban kecelakaan ini terjadi akibat :

   a. Tabrakan dengan kapal pemandu
   b. Putusnya tali katrol *crane*
   c. Putusnya tali tambat rantai jangkar, tali baja pengikat katrol
   d. Kebakaran, letusan, *blow out*
   e. Benda yang jatuh mengenai *deck*

3.5 *Software* SACS (*Structural Analysis Computer System)*

Program SACS (*Structural Analysis Computer System*) adalah salah satu perangkat lunak komputer pendukung analisis struktur. *Software* ini umumnya digunakan di *engineering companies* yang bergerak di bidang desain dan analisis *offshore structure*. Program SACS memberikan kemampuan memodelkan struktur dari struktur dua dimensi dengan analisis *space frame* yang simple sampai struktur tiga dimensi yang kompleks dengan analisis *finite element*.

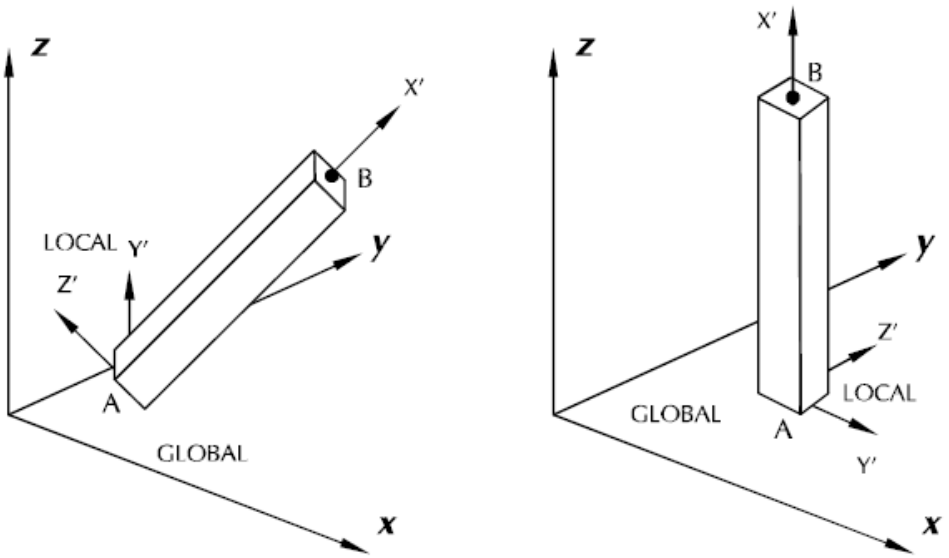
Software ini didedikasikan untuk berbagai macam analisa pada struktur, contohnya analisa *in-place* baik kondisi operasi maupun kondisi badai, analisa pengaruh *seismic* (beban gempa), analisa *fatigue*, analisa pengaruh *subsidence* terhadap struktur (penurunan tanah), analisa *launching*, *lifting*, *towing*, *uppending*, *load out*, *motion*, *material take off*, dan banyak lagi lainnya.

3.5.1 Pemodelan Struktur

Pemodelan struktur dengan analisis *in-place* menggunakan 3 macam *input file,* yaitu: sacinp, jcinp, psiinp. *File* sacinp berisi data geometri, properti, beban (arus, gelombang, dan angin) dari sebuah struktur anjungan. Selanjutnya *file* psiinp yang berisi data penetrasi *pile* yang berada dibawah *mudline* lengkap dengan propertinya, selain itu juga berisi data tanah berupa *load deflection data*. Untuk dapat melanjutkan analisis *in-place*, perlu dibutuhkan *file* jcinp untuk melakukan perhitungan *unity check* terhadap *joint can*.

3.5.2 *Member Local Coordinate System*

Setiap *member* memiliki sistem koordinat lokal terkait dengan beban dan tekanan. Sumbu lokal X pada *member* didefinisikan sepanjang *member* sumbu netral dari *joint* awal yang menghubungkan ke arah *joint* akhir. Untuk *member* yang tidak vertikal, yaitu sumbu lokal X tidak sejajar dengan sumbu global Z. Sumbu lokal Z didefinisikan sebagai tegak lurus terhadap sumbu lokal X tertampak bidang yang dibentuk oleh sumbu global Z dan sumbu lokal X dan memiliki proyeksi positif sepanjang sumbu global Z. Aturan tangan kanan digunakan untuk menentukan sumbu local Y. Sumbu lokal Z untuk *member* vertikal, *member* yang sumbu lokal X sejajar dengan sumbu global Z, sejajar dengan sumbu global Y dan arah Y positif. Sumbu lokal Y ditentukan dengan menggunakan aturan tangan kanan. Sistem koordinat sumbu lokal dan global pada batang dapat dilihat pada Gambar 3.7.



Gambar 3.7 Sistem Koordinat Sumbu Lokal dan Global Pada Batang

(Sumber: Fauzan, 2017)

3.6 *Unity Check*

Unity check secara umum bisa diterangkan sebagai perhitungan perbandingan gaya dan tegangan yang terjadi terhadap gaya dan tegangan yang diijinkan. Nilai *unity check* yang lebih besar atau sama dengan satu bisa diartikan bahwa gaya dan tegangan yang terjadi lebih besar atau sama dengan gaya dan tegangan yang diijinkan. Berdasarkan API, besarnya UC (*unity check*) dapat diperoleh dengan menggunakan Persamaan 3.4.

$$UC = \frac{\sigma \text{ act}}{\sigma \text{ all}} \quad \text{..... (3.4)}$$

dengan:

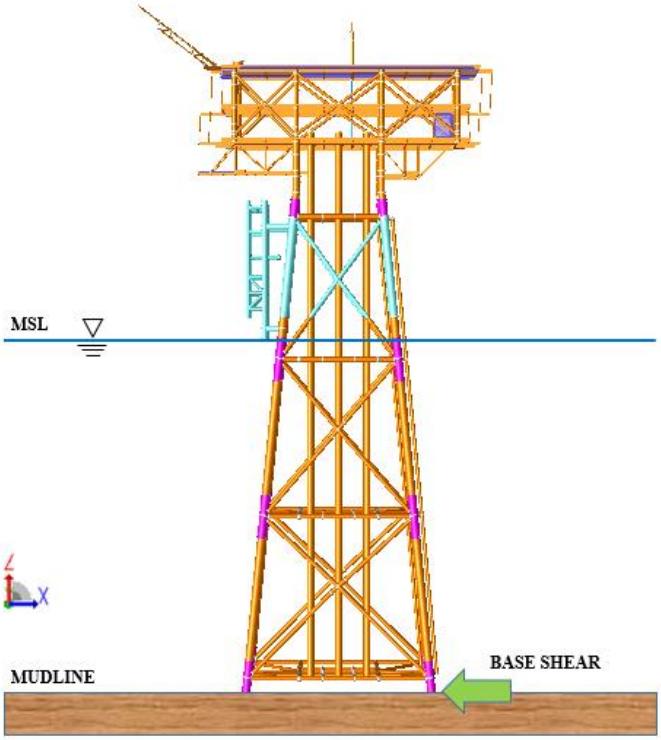
UC = *Unity Check*

σ act = Tegangan yang terjadi

σ all = Tegangan izin

3.7 *Base Shear*

Base shear atau gaya geser dasar adalah gaya lateral yang terjadi pada sebuah *platform*. *Base shear* umum terjadi akibat adanya gaya lingkungan (*environmental load*) seperti gelombang, angin, arus, gempa yang mempengaruhi bangunan anjungan lepas pantai. Pada kasus tertentu, *base shear* juga dapat terjadi akibat adanya *accidental load* yang bekerja pada anjungan lepas pantai, seperti contoh pada saat *barge* atau kapal yang merapat ke anjungan lepas pantai. Proses merapatnya *barge* atau kapal menyebabkan adanya tumbukan secara lateral yang disebabkan oleh *barge* atau kapal terhadap anjungan lepas pantai. Ilustrasi *base shear* yang terjadi pada sebuah *platform* ditunjukkan pada Gambar 3.8.



Gambar 3.8 *Base Shear* Pada *Platform*

3.8 *Overturning Moment*

Overturning moment atau momen guling adalah momen yang menyebabkan kecenderungan sebuah bangunan atau *platform* untuk berguling terhadap suatu titik tertentu. *Overturning moment* pada anjungan lepas pantai sangat dipengaruhi oleh besarnya gaya lateral maupun vertikal secara global yang bekerja pada struktur

tersebut serta bentuk geometri dari anjungan lepas pantai itu sendiri. Bentuk geometri sebuah anjungan lepas pantai berpengaruh terhadap besarnya lengan momen atau jarak titik tumpuan terhadap gaya yang terjadi. Hubungan lengan momen, gaya dan besarnya momen dirumuskan dalam persamaan 3.5 berikut ini.

$$\tau = F \cdot d \quad \text{.....} \quad (3.5)$$

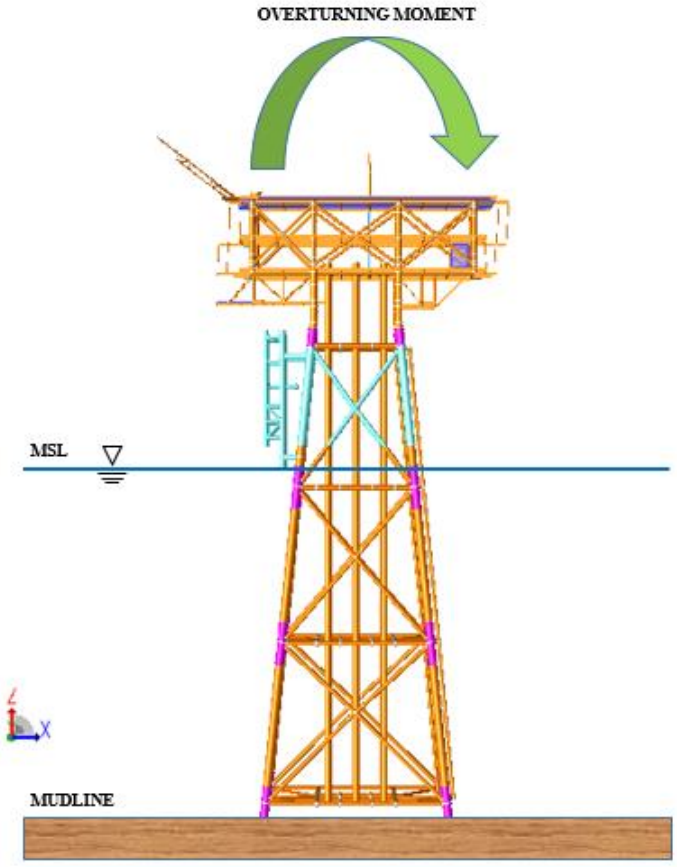
dengan:

τ = momen gaya / torsi

F = gaya yang terjadi

d = lengan momen

Ilustrasi *overturning moment* atau momen guling yang terjadi pada sebuah *platform* ditunjukkan pada Gambar 3.9.



Gambar 3.9 *Overturning Moment* Pada *Platform*

3.9 Peraturan Terkait

Menurut API RP 2A – WSD (*section* 6.2.2 - *Axial Compression*),besar tegangan izin untuk gaya tekan aksial (Fa) dihitung dengan menggunakan rumus berikut,

Apabila nilai,

$$Cc > \frac{K.l}{r}$$

Maka persamaan Fa adalah,

$$Fa = \frac{\left[1 - \frac{\left(\frac{K.l}{r}\right)^2}{2.Cc^2}\right].Fy}{5/3 + \frac{3.K.l}{r}\Big/_{8.Cc} - \frac{K.l^3}{r}\Big/_{8.Cc^3}} \quad \text{……..…….(3.6)}$$

Apabila nilai,

$$Cc \leq \frac{K.l}{r}$$

Maka persamaan Fa adalah,

$$Fa = \frac{12.\pi.E}{23.\left(\frac{K.l}{r}\right)^2} \quad \text{…….…..…….(3.7)}$$

Dimana

$$Cc = \sqrt{\frac{2.\pi^2.E}{Fy}}$$

Menurut API RP 2A – WSD (*section* 6.2.3 - *Bending*),besar tegangan izin untuk *bending* (Fb) dihitung dengan menggunakan rumus berikut,

Apabila nilai,

$$\frac{D}{t} \leq \frac{1500}{Fy}$$

Maka persamaan Fb adalah,

$$Fb = 0.75 \times Fy \quad \text{…….…..……..….(3.8)}$$

Apabila nilai,

$$\frac{1500}{Fy} \leq \frac{D}{t} \leq \frac{3000}{Fy}$$

Maka persamaan Fb adalah,

$$Fb = \left[0.84 - 1.74 \times \frac{Fy.D}{E.t}\right] Fy \quad \text{.....(3.9)}$$

Apabila nilai,

$$\frac{3000}{Fy} \leq \frac{D}{t} \leq 300$$

Maka persamaan Fb adalah,

$$Fb = \left[0.72 - 0.58 \times \frac{Fy.D}{E.t}\right] Fy \quad \text{.....(3.10)}$$

Menurut API RP 2A – WSD (*section* 6.3.2 – *Combined axial compression and bending*), kombinasi tegangan yang terjadi akibat gaya *axial* dan *bending* pada member tubular harus memenuhi dua persamaan berikut,

$$\frac{fa}{0.6 \times Fy} + \frac{\sqrt{fby^2 + fbz^2}}{Fb} \leq 1.0 \quad \text{.....(3.11)}$$

$$\frac{fa}{Fa} + \frac{Cm\sqrt{fby^2 + fbz^2}}{\left(1 - \frac{fa}{F'e}\right) Fb} \leq 1.0 \quad \text{.....(3.12)}$$

BAB IV
METODE PENELITIAN

4.1 Data yang Diperlukan

Dalam perencanaan *jacket* KLB *Platform* ini diperlukan data-data teknis lapangan pada lokasi dibangunnya *jacket* KLB *Platform*, karena data-data tersebut sangat berpengaruh pada desain analisis *in-place*. Data-data yang dibutuhkan dalam penelitian ini adalah sebagai berikut.

1. Data struktur KLB *Platform*
2. Data tanah KLB *Platform*
3. Data lingkungan lokasi bangunan KLB *Platform*. Data lingkungan mencakup data arus laut, gelombang laut, angin, dan lain-lain.

4.2 Metode Pengumpulan Data

Pengumpulan data merupakan suatu proses pengadaan data bagi kepentingan penelitian. Pengumpulan data merupakan tahapan yang sangat penting, karena dari data yang terkumpul akan dijadikan dasar analisis dalam penelitian. Metode yang dilakukan adalah dengan permintaan data secara langsung kepada PT. ZEE INDONESIA atau PERTAMINA HULU ENERGI OFFSHORE NORTH WEST JAVA (PHE ONWJ).

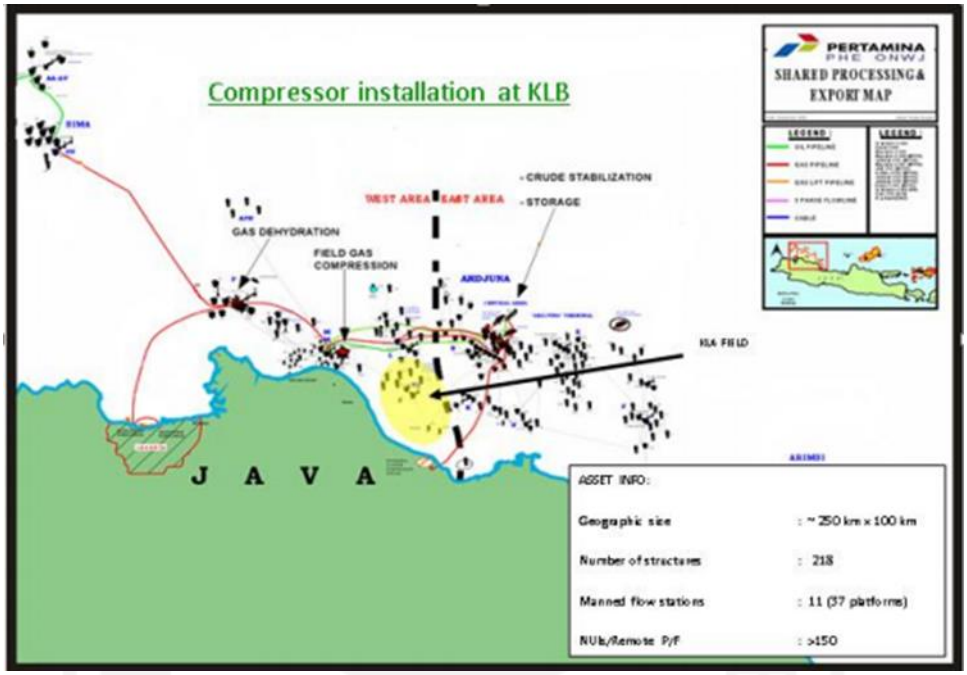
4.3 Lokasi KLB *Platform*

KLB *Platform* merupakan anjungan lepas pantai yang dibangun pada KLA *Field.* KLA *Field* adalah salahsatu daerah penghasil gas berskala besar yang dimiliki oleh PHE ONWJ dengan produksi gas secara normal sebanyak 40-60 MMSCFD dan produksi minyak mentah secara normal sebanyak 4000 BOPD.

KLB *Platform* berlokasi di Laut Jawa, Indonesia. Memiliki koordinat sebagai berikut,

- Latitude : 006º 02’ 30.68” South.
- Longtitude : 107º 30’ 59.16” East.

Lokasi KLA *Field* dapat dilihat pada Gambar 4.1 berikut



Gambar 4.1 Lokasi KLA *Field*

(Sumber : PT. ZEE Indonesia, 2014)

4.4 Struktur KLB *Platform*

KLB *Platform* merupakan anjungan lepas pantai jenis *fixed platform* dengan tipe empat kaki. Pada tahun 2015, KLB *Platform* telah mengalami proses modifikasi dari bentuk awal *platform* tersebut. Struktur KLB *Platform* memiliki konfigurasi dari tiap komponennya seperti berikut.

1. *Deck*

   Deck pada KLB *Platform* didesain untuk menahan beban-beban peralatan produksi dan pengolahan minyak dan gas. KLB *Platform* memiliki empat tingkatan *deck*:

   a. *Upper Deck* T.o.S Elev. (+) 78’- 5”
   b. *Main Deck* T.o.S Elev. (+) 58’- 6”
   c. *Cellar Deck* T.o.S Elev. (+) 38’- 0”
   d. *Subcellar Deck* T.o.S Elev. (+) 27’- 0”

2. *Jacket*

   Jacket KLB *Platform* didesain memiliki 4 (empat) kaki dengan menggunakan baja tubular berdiameter 40.5 inch. KLB *Platform* dipasang pada kedalaman air sebesar 49.0 ft terhadap MSL. Terdapat tiga tingkat *horizontal framing pada* jacket KLB *Platform*.

   a. *Jacket Plan Bracing Elev.* (+) 10'- 0"
   b. *Jacket Plan Bracing Elev.* (-) 27'- 0"
   c. *Jacket Plan Bracing Elev.* (-) 49'- 0"

3. *Appurtenance Structure*

   a. Satu *flare boom*
   b. *Cooler Framing*
   c. Sebelas *riser*
   d. Lima belas *conductor*
   e. Dua *Stair Tower*. Berada dibagian selatan dan barat *platform*



Gambar 4.2 KLB *Platform*

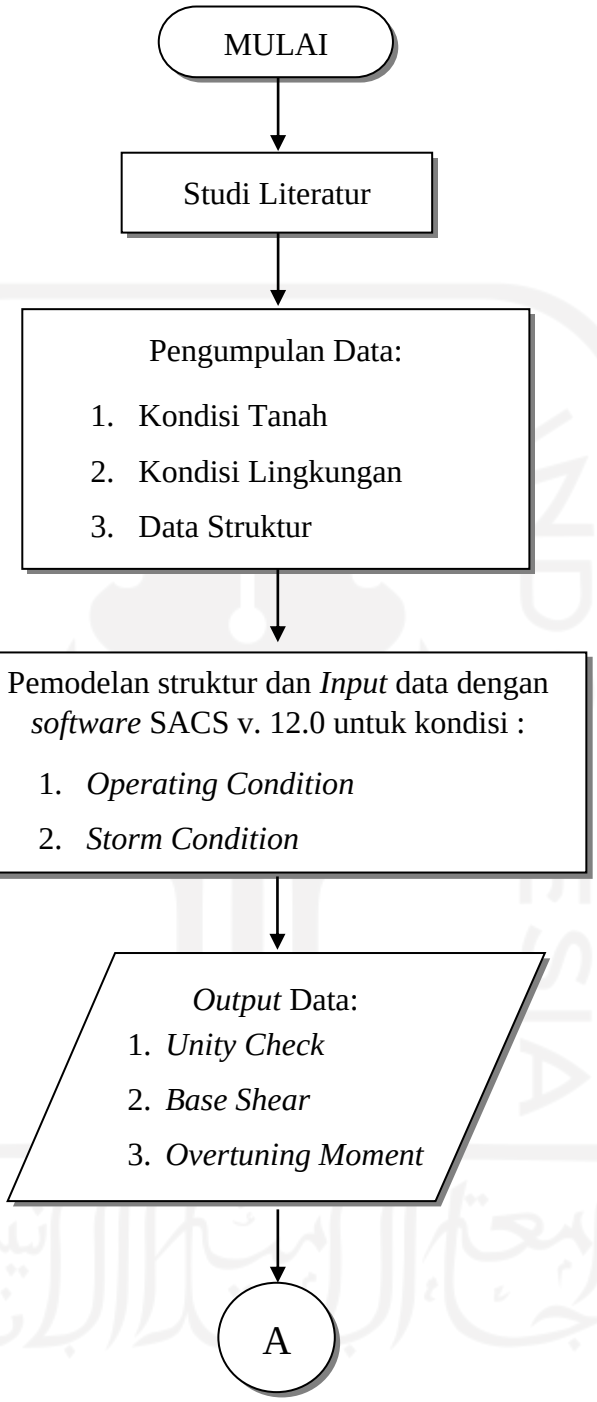
(Sumber : PT. ZEE Indonesia, 2014)

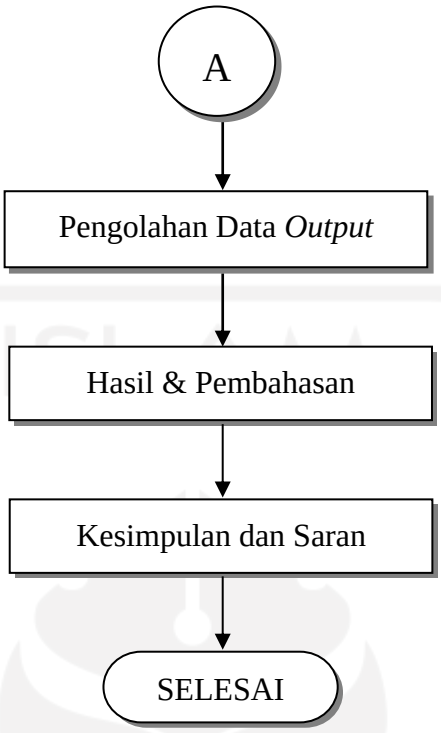
4.5 Tahap Penelitian

Tahap penelitian dari tugas akhir ini adalah sebagai berikut.

1. Melakukan studi literatur tentang analisis *in-place* struktur *jacket* anjungan lepas pantai.
2. Melakukan pengumpulan data yang diperlukan kepada PT. ZEE INDONESIA atau PHE ONWJ
3. Memahami spesifikasi dan konfigurasi *jacket*.
4. Memodelkan struktur dengan menggunakan bantuan *software* SACS v. 12.0, berdasarkan data yang diperoleh.
5. Melakukan analisa *in-place* struktur *jacket* dengan menggunakan bantuan *software* SACS v. 12.0 dengan pendekatan *Working Stress Design* (WSD)
6. Mengolah data dari analisa *in-place* yang dilakukan untuk mendapatkan *output* data berupa *Unity Check* (UC) pada struktur.
7. Mengelompokkan data *output* setelah dianalisis, struktur dikatakan aman, jika *Unity Check* (UC) bernilai ≤ 1.00.
8. Pembahasan.
9. Kesimpulan hasil.

Langkah-langkah penyelesaian penelitian ini dapat dilihat pada *flowchart* Gambar 4.3.


MULAI
Studi Literatur
Pengumpulan Data:
1. Kondisi Tanah
2. Kondisi Lingkungan
3. Data Struktur
Pemodelan struktur dan *Input* data dengan *software* SACS v. 12.0 untuk kondisi :
1. *Operating Condition*
2. *Storm Condition*
Output Data:
1. *Unity Check*
2. *Base Shear*
3. *Overtuning Moment*
A



Gambar 4.3 *Flow Chart* Penelitian

6.2 Saran

Untuk pengembangan terhadap penelitian selanjutnya, penulis menyarankan hal-hal sebagai berikut:

1. Analisis *in-place* merupakan salah satu analisis dasar dalam penilaian kelayakan sebuah anjungan lepas pantai, untuk itu kedepannya perlu dilakukan studi lebih lanjut didalam analisis yang lebih kompleks dengan memperhatikan aspek yang lebih detail lagi seperti:
   a. Analisis Pondasi
   b. Analisis Seismik
   c. Analisis *Pushover*
   d. Analisis Dinamik
2. Perlu diadakan perhitungan ulang/*recalculated* setelah proses adanya investigasi terhadap *adjustment* yang terjadi dilapangan. Sehingga dihasilkan data dan hasil yang sesuai terhadap kondisi geometri *platform* actual di lapangan.

DAFTAR PUSTAKA

Ainnillah, S. 2017. Analisa *Ultimate Strength* Struktur *Jacket Platform* Berbasis Keandalan Pasca Subsidence. *Tugas Akhir*. (Tidak Diterbitkan). Institut Teknologi Sepuluh Nopember. Surabaya.

American Institute of Steel Construction. 2010. *Specification for Structural Steel Building*. Chicago. USA

American Petroleum Institute. 2014. *Recommended Practice 2A - Work Stress Design* 22nd *Edition.* Washington D.C. USA.

Berlian, A.A. dan Elyanto, R.Y. 2011. *Structure Strength Analysis Conventional Pile Fixed Jacket Platform in Natuna Sea Using Finite Element Method*. *Jurnal Kapal.* Vol.8 No.3:151-160. Universitas Diponegoro. Semarang.

Fauzan, R. 2017. Analisa *Inplace* Struktur *Jacket* Lepas Pantai Tipe *Triangle* dengan Pendekatan LRFD. *Tugas Akhir*. (Tidak Diterbitkan). Universitas Islam Indonesia. Yogyakarta.

Murdjito. 1996. Diktat Pengantar Bangunan Lepas Pantai. Kursus Segitiga Biru ITS - Unhas – Unpati. FTK ITS. Surabaya

Nallayarasu, S. 2012. *Offshore Structure Analysis and Design.* Indian Institute of Technology Madras. India

Pratama, W.C. 2017. Analisis *Ultimate Strength* Struktur *Jacket Platform* Berbasis Keandalan dengan Variasi Jenis Tanah. *Tugas Akhir*. (Tidak Diterbitkan). Institut Teknologi Sepuluh Nopember. Surabaya.

Veriyanto. dkk. 2016. Analisa Kekuatan Konstruksi *Jacket Platform* Terhadap Beban Gravitasi dan Interferensi Lingkungan di Perairan Madura Menggunakan FEM. *Jurnal Teknik Perkapalan.* Vol.4 No.3:667-674. Universitas Diponegoro. Semarang.

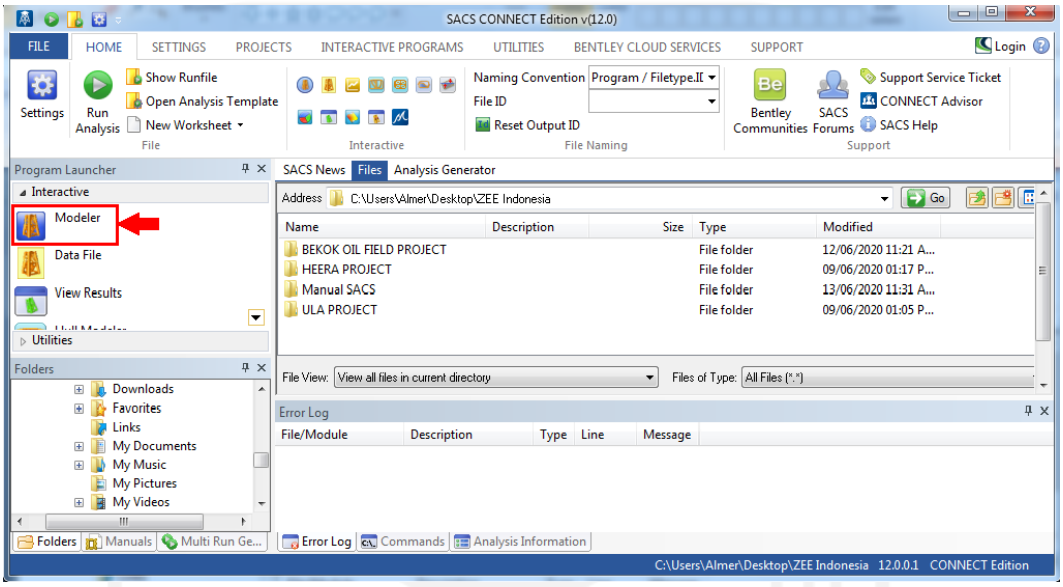
PT. ZEE Indonesia. 2014. *Analysis Report for* KLB *Platform Rev. 2.* KLA-C-SDY-0006. Jakarta.

LAMPIRAN

Lampiran 1 Tahapan Pemodelan Struktur Menggunakan S A C S

1. Membuat Lembar Kerja

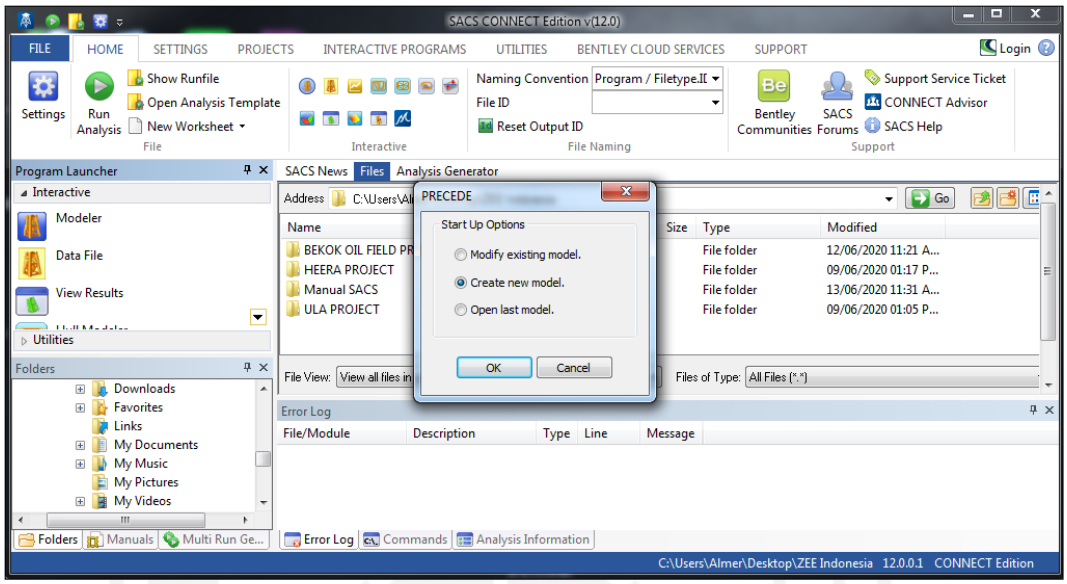
   Untuk membuat lembar kerja baru, klik *Modeler* dalam kolom *Program Launcher.*



Gambar L-1.1 *Modeler*

(Sumber: Dokumentasi Pribadi, 2020)

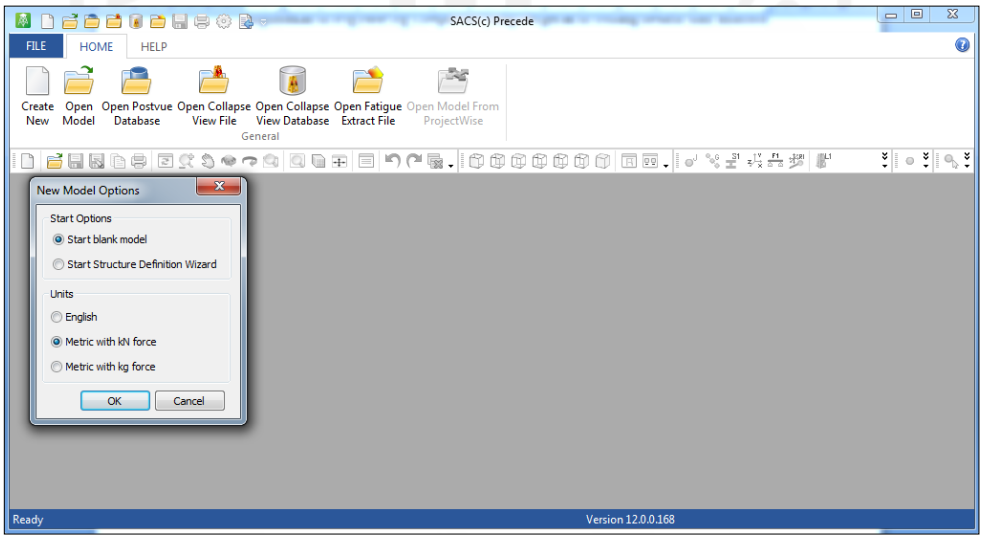
Lalu akan muncul tab *PRECEDE* seperti Gambar L-1.2, kemudian pilih *Create new model*, Lalu klik OK.



Gambar L-1.2 *PRECEDE*

(Sumber: Dokumentasi Pribadi, 2020)

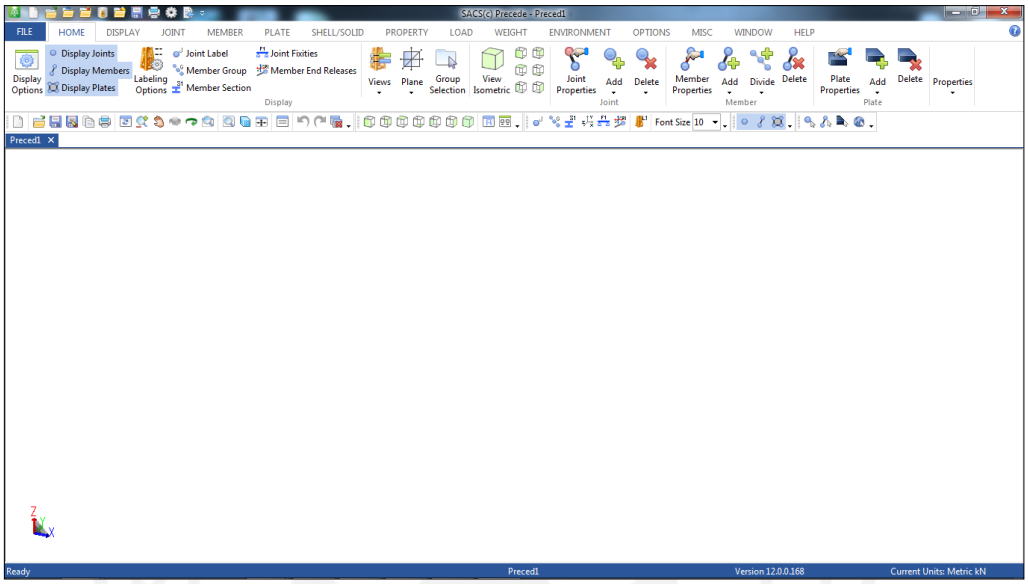
Kemudian akan muncul tab *New Model Options*, lalu pilih *Start blank model* pada *Start option*. Pilih satuan yang diinginkan pada *units options*. Lalu klik OK.



Gambar L-1.3 *New Model Options*

(Sumber: Dokumentasi Pribadi, 2020)

Lembar kerja software SACS v. 12 akan muncul dengan tampilan seperti Gambar L-1.4 dibawah ini.

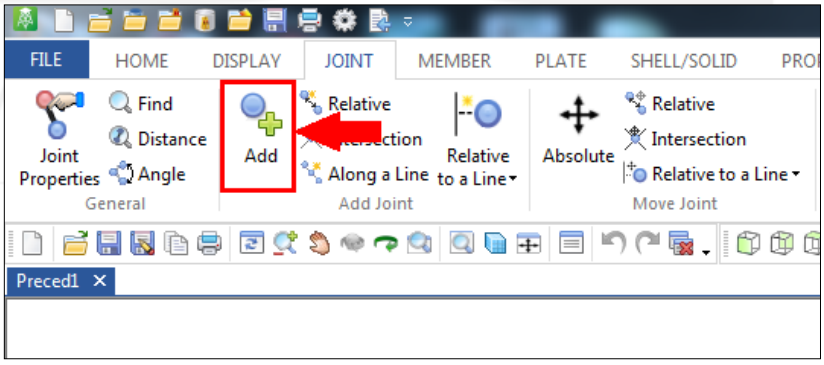


Gambar L-1.4 Tampilan Lembar Kerja SACS v. 12

(Sumber: Dokumentasi Pribadi, 2020)

2. Membuat *Joint*

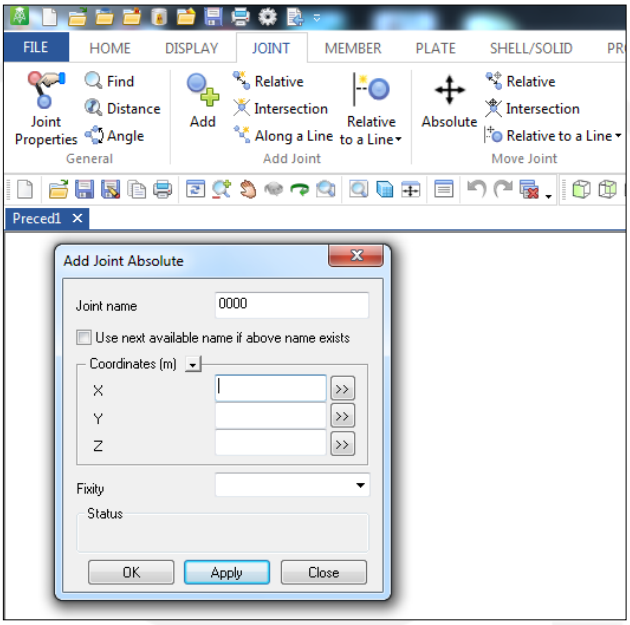
Pada program SACS telah menyediakan berbagai pilihan dalam memodelkan *joint*. Untuk membuat *joint* baru, klik *joint* kemudian pilih *add* seperti terlihat pada Gambar L-1.5 berikut.



Gambar L-1.5 *Add Joint*

(Sumber: Dokumentasi Pribadi, 2020)

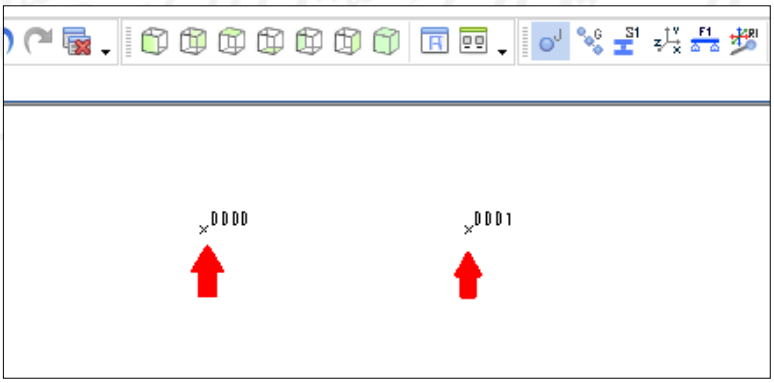
Untuk pilihan *add joint*, akan muncul tab *add joint absolute* yang berfungsi untuk menginput koordinat *joint* yang akan kita masukkan dan *fixity* nya. Setelah itu klik *Apply*.



Gambar L-1.16 *Add Joint Absolute*

(Sumber: Dokumentasi Pribadi, 2020)

Setelah itu akan muncul *joint* pada lembar kerja, ditandai dengan simbol dan kodefikasi *joint* tersebut.



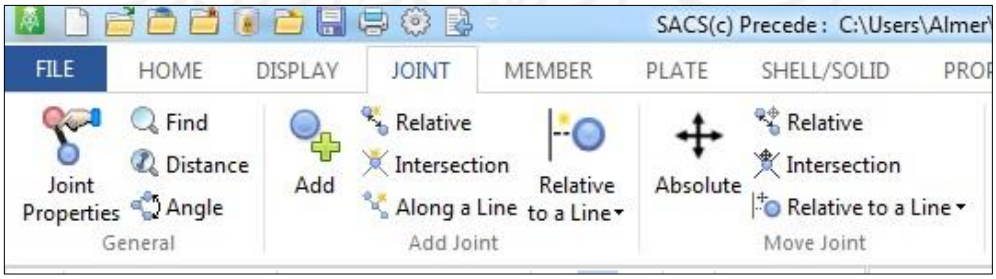
Gambar L-1.7 *Joint*

(Sumber: Dokumentasi Pribadi, 2020)

Untuk variasi dalam pembuatan *joint* pada SACS, terdapat juga pilihan pembuatan *joint* selain dengan cara *add joint absolute*, berikut merupakan penjelasan dari fitur pada *Sub Menu Joint*:

a. *Absolute*, menambahkan *joint* berdasarkan koordinat global yang di *input*. Kemudian meng*input joint name, coordinat (global),* dan *fixity* berdasarkan data dari *drawing* struktur.
b. *Relative,* menambahkan *joint* berdasarkan jarak relative terhadap *joint* lainnya. Perbedaan dengan *absolute* terletak pada *add relative* yang menggunakan koordinat yang relative terhadap *joint* lain. X, Y, Z *relative* adalah jarak dari *reference joint* ke *new joint* dalam arah X, Y, Z.
c. *Intersection,* menambahkan *joint* yang berada pada dua garis yang bersilangan. Setiap garis dibuat dari dua *joint*. Jika garis tersebut tidak sejajar, maka garis tersebut akan berpotongan, *joint* yang baru akan dibuat pada titik tersebut.
d. *Relative to a line*, menambahkan *joint* dengan menggunakan referensi garis (2 buah *joint*) dengan jarak relatif terhadap garis tersebut. Posisi joint yang baru dapat diinput dengan koordinat global ataupun menggunakan sudut.
e. *Divide a line*, menambahkan *joint* pada sebuah garis (2 buah *joint*) yang membagi garis tersebut dengan jarak yang sama. Jika ada member pada garis tersebut, *joint* yang baru tidak akan membagi member. *Joint* yang baru dapat dihkan satu atau lebih dengan jarak yang sama.

Tab *Fitur Sub Menu Joint* dapat dilihat pada Gambar L-1.8 berikut ini.



Gambar L-1.8 *Sub Menu Joint*

(Sumber: Dokumentasi Pribadi, 2020)

Hal lain yang perlu diperhatikan saat menambahkan *joint* adalah *fixity*. *Fixity* merupakan 6 derajat kebebasan, yaitu translasi pada sumbu X, Y, dan Z dan rotasi pada sumbu X, Y, dan Z. Pada *software* SACS untuk memasukkan *fixity* adalah dengan menginput 6 derajat kebebasannya. Sebagai contoh 100111, artinya *fix* dalam transalasi arah x, dan *fix* dalam rotasi terhadap sumbu X, Y, dan Z. Dalam *software* SACS ketentuannya pada Tabel L-1.1 berikut.

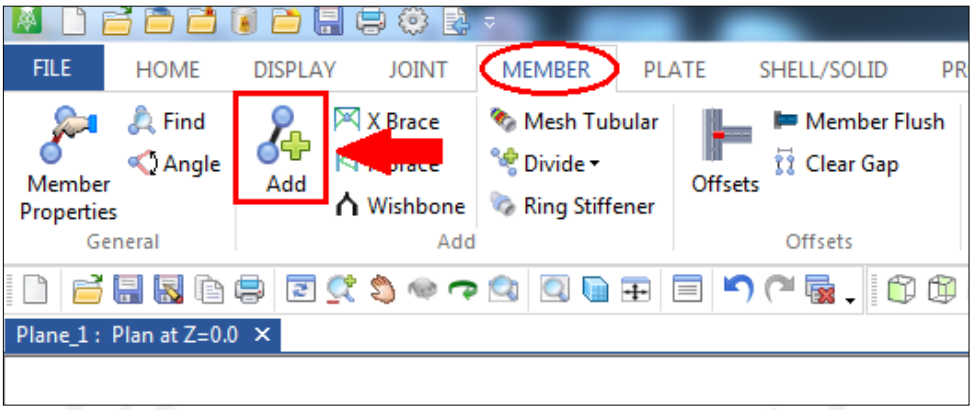
Tabel L-1.1 *Fixity*

Fixity	Deskripsi
0	Bebas
1	*Fix*
2	Beban untuk statis, dan tetap untuk dinamis
F	*Fix*
PILEHD	Sambungan antara struktur dan fondasi
PINNED *fix*	*Fix* untuk translasi (sendi)
FIXED *fix*	*Fix* untuk translasi dan rotasi (jepit)

Sumber : Fauzan (2017)

3. Membuat *Member*

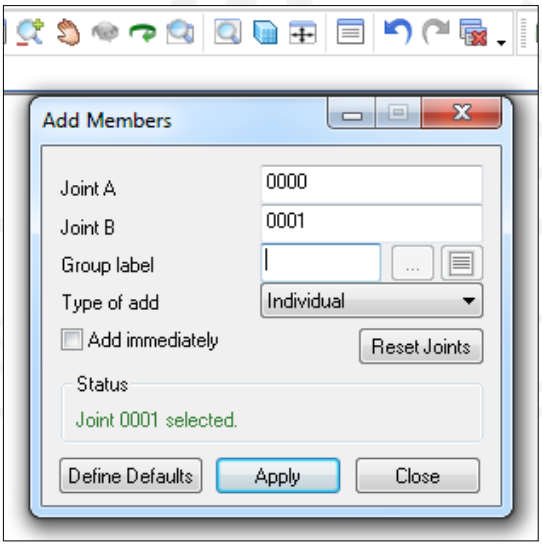
   Sebelum membuat *member,* terlebih dahulu membuat *joint* karena membuat *member* itu menyambungkan dari *joint* ke *joint*. Pada menu *member* klik *Add* untuk menambahkan *member* dari dua *joint*. Langkah tersebut dapat dilihat pada Gambar L-1.9 berikut.



Gambar L-1.9 *Add Member*

(Sumber: Dokumentasi Pribadi, 2020)

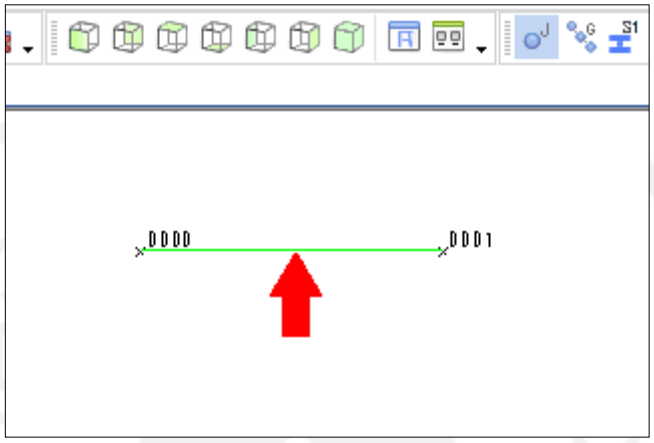
Lalu akan muncul tab *Add Member* untuk menentukan *joint* yang akan disambungkan dengan *member*. Perlu diingat bahwa *member* dibuat dari *joint* awal "A" ke *joint* akhir "B". agar lebih memudahkan , usahakan dalam membuat *member* selalu seragam yakni dari kiri ke kanan atau dari atas ke bawah. Setelah penginputan *joint* selesai, klik *Apply*.



Gambar L-1.10 *Input Joint* untuk *Member*

(Sumber: Dokumentasi Pribadi, 2020)

Setelah itu akan mucul garis yang menghubungkan *joint* yang telah dimasukkan sebelumnya, hal itu menandakan bahwa *member* telah ada.



Gambar L-1.11 *Member*

(Sumber: Dokumentasi Pribadi, 2020)

Untuk variasi dalam pembuatan *member* pada SACS, terdapat juga pilihan *Divide*, membagi *member* menjadi beberapa dan otomatis membuat *joint* baru. Fitur ini tergolong sering digunakan karena memudahkan pengguna dalam membuat *joint* baru sehingga kita tidak perlu membuat terlalu banyak *joint*.

a. *Ratio from joint A*, membagi *member* menjadi dua berdasarkan perbandingan panjang dari *joint* awal ke *joint* akhir.
b. *Distance from joint A*, membagi *member* berdasarkan jarak dari *joint* awal ke *joint* akhir.
c. *Ratio from joint B*, membagi *member* berdasarkan perbandingan panjang dari *joint* B.
d. *Distance from joint B*, membagi *member* berdasarkan perbandingan panjang dari *joint* B.
e. Z *coordinate*, membagi *member* dalam koordinat z tertentu, atau membagi *member* yang berpotongan dengan *plane* xy pada koordinat z tertentu. Koordinat z dapat diinput secara manual dan dapat juga dengan cara mengklik *joint* pada koordinat z yang diinginkan.
f. Y *coordinate*, membagi *member* dalam koordinat y tertentu, atau membagi

member yang berpotongan dengan *plane* xz pada koordinat y tertentu.

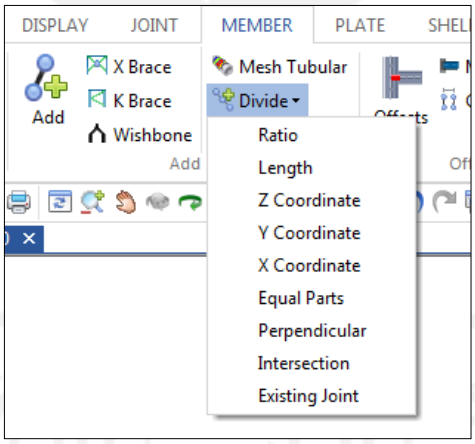
g. X *coordinate*, membagi *member* dalam koordinat x tertentu, atau membagi *member* yang berpotongan dengan *plane* yz pada koordinat x tertentu.

h. *Equal Parts*, membagi *member* menjadi dua atau lebih *member* dengan panjang yang sama.

i. *Perpendicular*, membagi *member* menjadi dua berdasarkan *joint* lain yang jika ditarik garis lurus dari *joint* tersebut akan memotong *member* secara tegak lurus.

j. *Intersect*, membagi dua *member* atau lebih menjadi dua apabila *member* berpotongan dengan garis (2 *joint* yang lain).

k. *Existing Joint*, membagi *member* yang menerus menjadi dua dengan referensi *joint* yang ada pada *member* tersebut.



Gambar L-1.12 *Member – Divide*

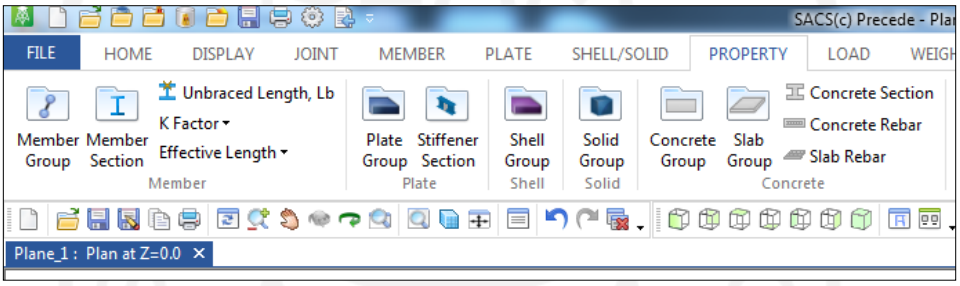
(Sumber: Dokumentasi Pribadi, 2020)

4. Menentukan Jenis Properti

Selanjutnya setelah membuat *joint* dan *member*, hal yang dilakukan adalah pemberian properti pada *member*. Properti berkaitan dengan bentuk, dimensi, tegangan leleh, dan lain-lain. Pembuatan properti pada *software* ini dapat menggunakan dua fitur, yaitu:

a. *Member group*, untuk menambahkan dan mendefinisikan *member group*, mengedit, atau menghapus *member group*.
b. *Member section*, pada menu ini isi nama label kemudian *add*. Pada *add member section*, masukkan nilai-nilai properti sesuai data yang akan dianalisis.

Tampilan menu *property* dapat dilihat pada Gambar L-1.13.



Gambar L-1.13 Tampilan Menu *Property*

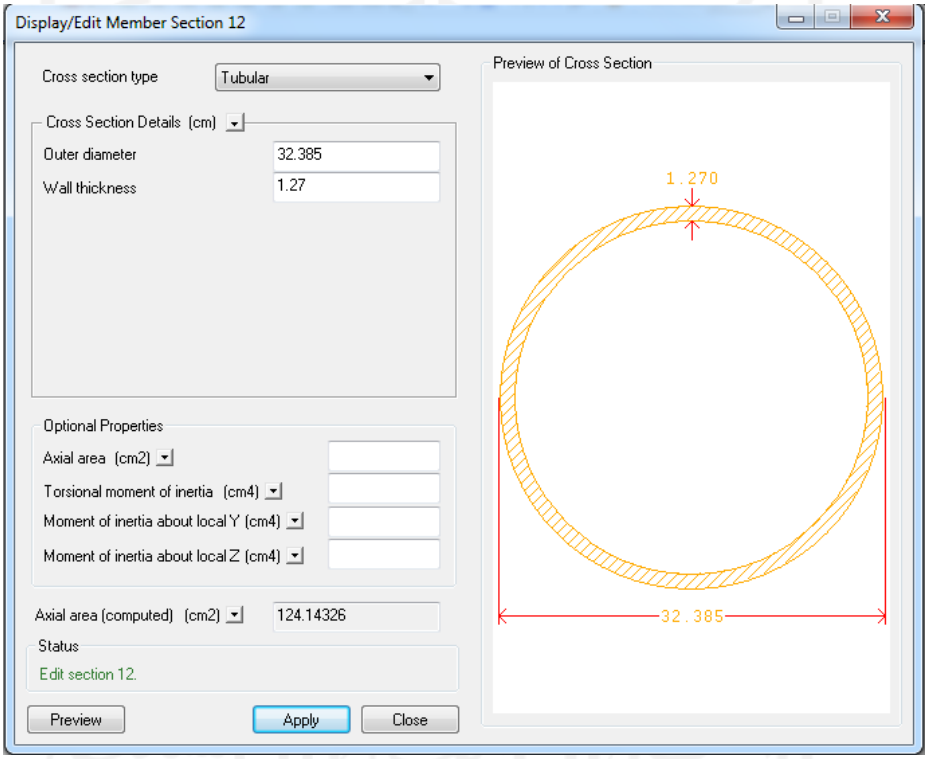
(Sumber: Dokumentasi Pribadi, 2020)

Detail lain yang harus diperhatikan, yaitu *offset, buckling*, dan *release*.

a. *Offset* digunakan untuk memodelkan secara akurat. *Offset* berfungsi mengatur posisi dari *member* ataupun *plate* sehingga sama dengan posisi sebenarnya. Prinsip yang digunakan SACS dalam sebuah sambungan adalah *center to center*, sehingga kita memerlukan *offset* untuk mengatur perletakannya untuk mendekati kondisi sambungan yang sebenarnya.
b. *Buckling* adalah pengaturan kekakuan. Biasanya pada pemodelan, *member* yang menerus harus dibagi-bagi menjadi beberapa. Namun sebenarnya *member* tersebut adalah *member* yang menerus. Untuk mendefinisikan kondisi ini dalam SACS kita harus mengatur *buckling* itu sendiri yaitu dengan mendefinisikan K *factor* (ky/kz)
c. *Release* digunakan jika *member* dalam kondisi kelebihan beban. Misalnya pada konduktor, beban berat (arah z) terlalu besar untuk ditahan oleh struktur penahan konduktor. Pada kondisi sebenarnya struktur penahan tersebut hanya menahan beban arah x dan y saja. Untuk memodelkan hal ini, kita menggunakan *release*. Klik pada *member* yang tersambung pada konduktor

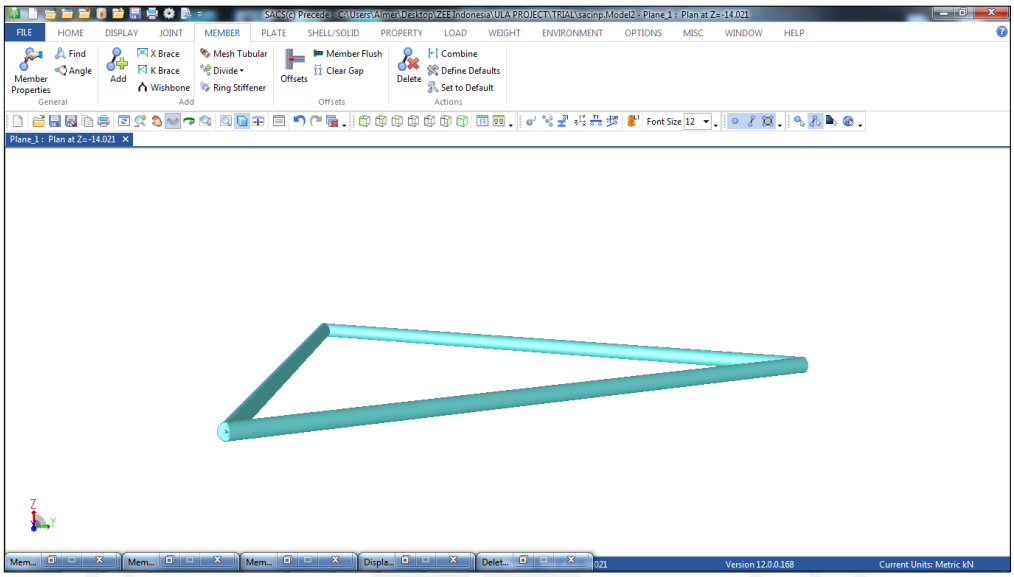
yang akan di-*release*. *Joint* yang berada di sambungan tersebut di-*release* dengan cara menginput 001111 pada A *release* atau B *release*. 0 berarti *joint* tidak di-*release*, 1 berarti *joint* di-*release*. 001111 mempresentasikan translasi x dan y tidak di-*release*, sedangkan translasi z, rotasi x, y, dan z di-*release*. Setelah selesai memberi properti pada seluruh *member*, sebaiknya model dicek apakah masih ada *error* atau tidak.

Tampilan pembuatan *member section* pada SACS dapat dilihat pada Gambar L-1.14 dan Gambar L-1.15 berikut.



Gambar L-1.14 Pembuatan Member Section (*Property*)

(Sumber: Dokumentasi Pribadi, 2020)

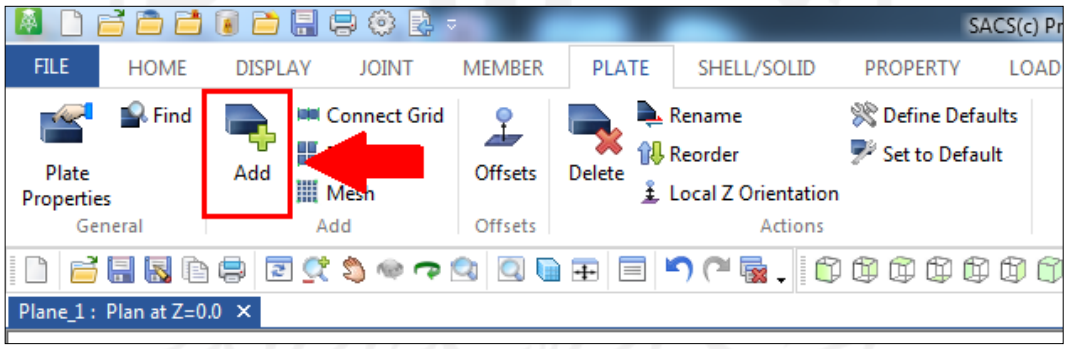


Gambar L-1.15 Tampilan Member setelah diberi Member Section (*Property*)

(Sumber: Dokumentasi Pribadi, 2020)

5. Membuat *Plate*

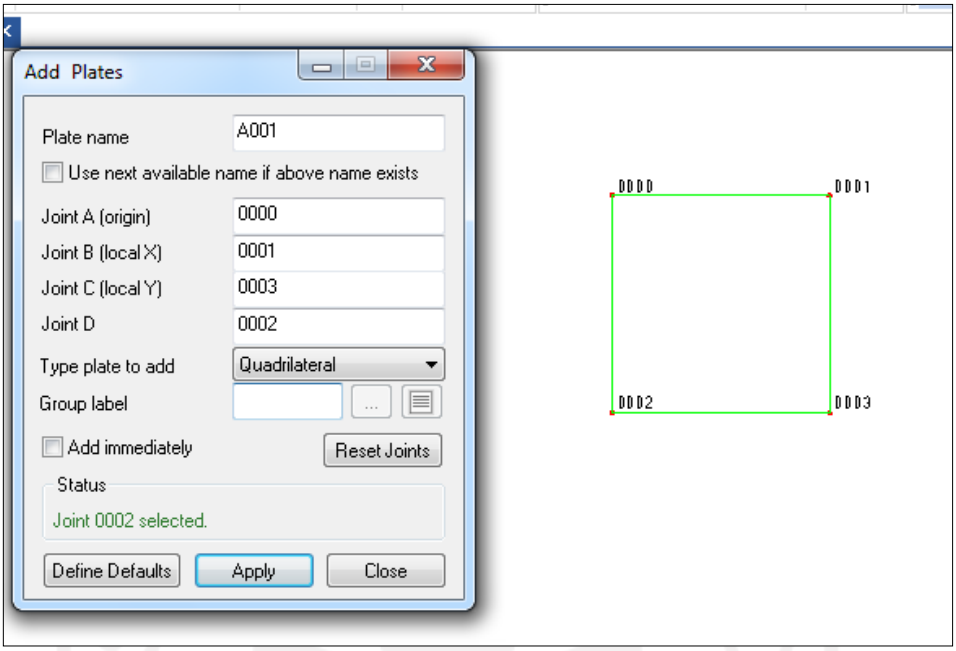
   Untuk membuat *Plate*, klik menu *Plate* kemudian pilih *add* seperti terlihat pada Gambar L-1.16.



Gambar L-1.16 *Add Plate*

(Sumber: Dokumentasi Pribadi, 2020)

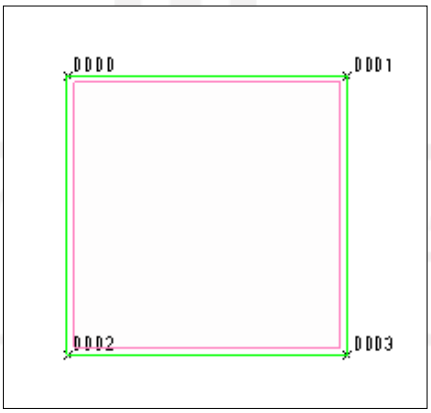
Kemudian akan mucul tab *Add Plates*, lalu pilih tipe *plate* yang ingin dimodelkan dan masukkan *joint* tempat dimana *plate* akan dipasang. Kemudian klik *Apply*. Langah penginputan *joint* untuk *plate* tersebut dapat dilihat pada Gambar L-1.17.



Gambar L-1.17 *Input Joint* untuk *Plate*

(Sumber: Dokumentasi Pribadi, 2020)

Tampilan *Plate* yang telah terinput akan terlihat seperti Gambar L-1.18 berikut.

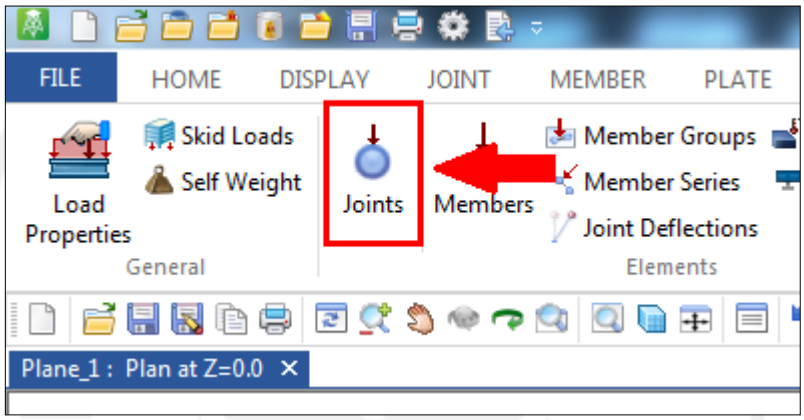


Gambar L-1.18 *Plate*

(Sumber: Dokumentasi Pribadi, 2020)

6. Memasukan Beban

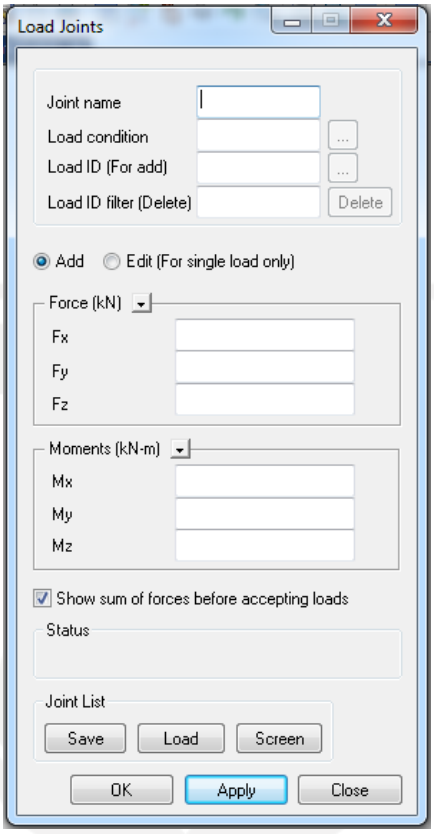
Dalam SACS v.12 beban dapat dimasukkan dengan dua cara, yaitu untuk beban yang berada di *joint* dan yang berada di sepanjang *member*.Untuk beban yang berada di *joint* dapat kita masukkan dengan pilih menu *load*, lalu klik *Joint.*



Gambar L-1.19 *Add Joint Load*

(Sumber: Dokumentasi Pribadi, 2020)

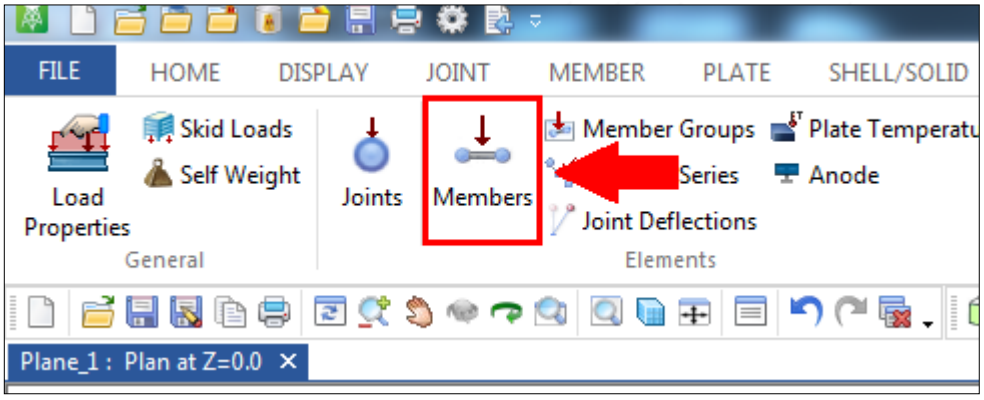
Setelah itu akan muncul tab *Load Joint* seperti Gambar L-1.20 yang berfungsi untuk mengklasifikasi beban yang akan dimasukkan beserta besarnya beban.



Gambar L-1.20 *Load Joints*

(Sumber: Dokumentasi Pribadi, 2020)

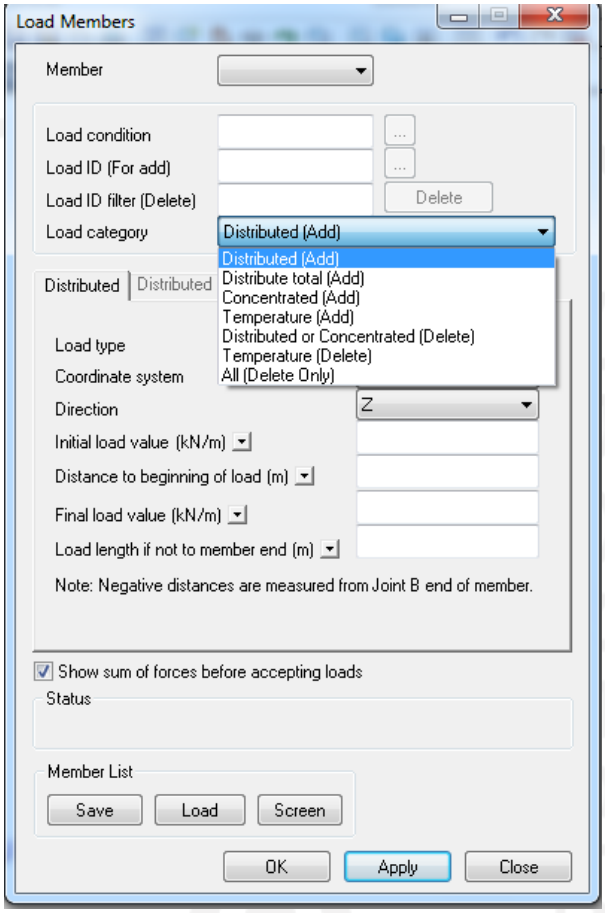
Untuk beban yang berada di sepanjang *member* dapat kita masukkan dengan pilih menu *load*, lalu klik *Members* seperti Gambar L-1.21 berikut.



Gambar L-1.21 *Add Load Members*

(Sumber: Dokumentasi Pribadi, 2020)

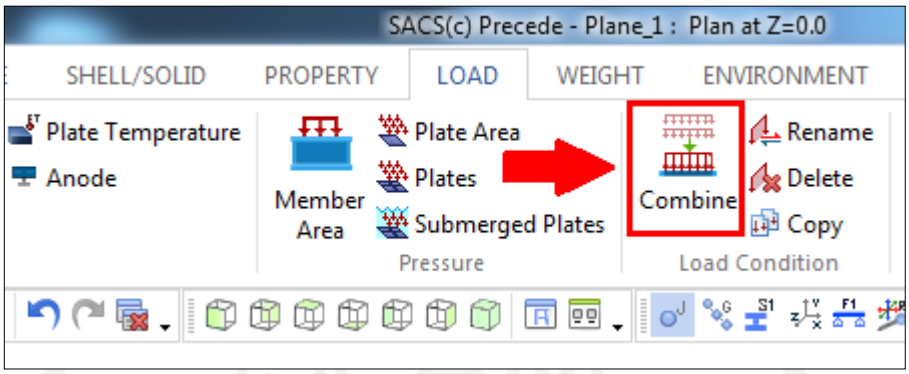
Setelah itu akan muncul tab *load members* yang berfungsi untuk mengklasifikasi beban yang akan dimasukkan, besarnya beban, dan kategori beban.



Gambar L-1.22 *Load Members*

(Sumber: Dokumentasi Pribadi, 2020)

Untuk mengombinasi beban yang ada, kita dapat melakukannya dengan cara pilih menu *load* lalu klik *combine* seperti Gambar L-1.23 berikut ini.



Gambar L-1.23 *Load - Combine*

(Sumber: Dokumentasi Pribadi, 2020)

Lampiran 2 SACS Input (*Geometry Model)*

```
OPTIONS      EN       SDUCJT 2 1   DCCPC    PTPTPTPTPTPTPTPT      SK
LCSEL ST        3000 3001 3002 3003 3004 3005 3006 3007 3008 4000 4001 4002
LCSEL ST        4003 4004 4005 4006 4007 4008
HYDRO Z APEXTMNNOPAI51.400    -48.000   2.000     64.200    0.500     0.125
HYDRO2    0.7500M0.800
UCPART         0.7000.7001.0001.000
SECT
SECT BM2       WF                                9.000 1.00017.7000.3000.402
SECT BOX       PRI                               32.000     1.000
SECT C152      CHL                               5.906 2.9520.256 0.393
SECT C254      CHL                               9.843 3.5430.354 0.511
SECT CDG       PRI100.001.000   1.000   1.000    1.000      1.000 1.0001.000
SECT COM1      WF 76.74127.413  21173.32959.803  16.4701.26053.6000.760
SECT COM3      WF 76.74127.413  21173.32959.803  16.4701.26053.6000.760
SECT COM4      WF 53.1819.857   14282.92286.860  12.0000.94053.6000.625
SECT COM5      PGB                               12.0000.94053.6000.6250.500.625
SECT CON1      CON                               20.0000.62516.000
SECT CON2      CON                               20.0000.62516.000
SECT CON3      CON                               12.0000.62520.000
SECT CON4      CON                               16.0000.62512.750
SECT CON5      CON                               12.7500.62516.000
SECT H150100   WF                                3.940 0.3545.830 0.2360.430
SECT H300150   WF                                5.910 0.35411.8100.2560.510
SECT H450200   WF                                7.870 0.55117.7200.3540.710
SECT UB152     WF                                5.906 0.3935.906 0.275
SECT UB152.4   CHL                               5.906 2.9520.256 0.393
SECT UB203     WF                                7.992 0.4337.992 0.283
SECT UB254     CHL                               9.843 3.5430.354 0.511
SECT UB256.5   WF                                4.921 0.3549.843 0.236
SECT UB449     WF                                7.874 0.55117.7170.354
SECT UB449.6   WF                                7.874 0.55117.7170.354
SECT UB911     WF                                11.9720.94135.8430.626
SECT UB911.9   WF                                11.9720.94135.8430.626
SECT UB927     WF                                16.4761.25935.8980.763
SECT W152      WF                                5.992 0.2676.000 0.228
SECT W18B      PGB                               6.000 0.42517.7000.3000.402.375
SECT W449      WF                                6.000 0.42917.7090.299
SECT W449B     PGB                               7.874 0.55117.7170.354     .375
SECT W8B       PGB                               4.020 0.3158.110 0.2450.300.250
GRUP
GRUP 1CD UB927                 29.0011.2035.53 1    1.001.00     0.500 490.00
GRUP 2CD UB911                 29.0011.2035.53 1    1.001.00     0.500 490.00
GRUP 3CD UB449                 29.0011.2035.53 1    1.001.00           490.00
GRUP 4CD UB911                 29.0011.2035.53 1    1.001.00           490.00
GRUP 4MD UB911.9               29.0011.6035.53 1    1.001.00           490.00
GRUP 5MD UB449.6               29.0011.2035.53 1    1.001.00     0.500 490.00
GRUP 6CD COM3                  29.0011.2036.00 1    1.001.00           490.00
GRUP 6MD COM4                  29.0011.2036.00 1    1.001.00           490.00
GRUP 7MD COM5                  29.0011.2027.00 1    1.001.00           490.00
GRUP 7ST C152                  29.0011.2035.53 1    1.001.00           490.00
GRUP 8MD UB152.4X              29.0011.6035.53 9    1.001.00           490.00
GRUP 8ST C254                  29.0011.2035.53 1    1.001.00           490.00
GRUP 9MD W6X15                 29.0011.2036.00 1    1.001.00           490.00
GRUP BA  W6X15                 29.0011.2036.00 1    1.001.00           490.00
GRUP BB          X 4.500 0.280 29.0011.2036.00 9    1.001.00     0.500 1.00-3
GRUP BC  W6X15                 29.0011.2036.00 1    1.001.00           490.00
GRUP BCL W152                  29.0011.2051.48 1    1.001.00           490.00
GRUP BCU W152                  29.0011.2035.53 1    1.001.00           490.00
GRUP BD           6.625 0.280 29.0011.2036.00 1    1.001.00     0.500 490.00
GRUP BD1          8.375 0.197 29.0011.6035.00 1    1.001.00     0.500 490.00
GRUP BE  W10X17                29.0011.2036.00 1    1.001.00           490.00
GRUP BH1          8.625 0.322 29.0011.6035.00 1    1.001.00     0.500N490.00
GRUP BH2         12.500 0.250 29.0011.6035.00 1    1.001.00     0.500 490.00
GRUP BH3         29.750 0.875 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP BH4         13.750 0.375 29.0011.6035.00 1    1.001.00     0.500 490.00
GRUP BM  W18X35                29.0011.2036.00 1    1.001.00           490.00
GRUP BM2 BM2                   29.0011.2036.00 1    1.001.00           490.00
GRUP BML W449                  29.0011.2051.48 1    1.001.00           490.00
GRUP BMU W449                  29.0011.2035.53 1    1.001.00           490.00
GRUP BMX W449B                 29.0011.2034.08 1    1.001.00           490.00
GRUP BOX BOX                   29.0011.2027.00 1    1.001.00           490.00
GRUP BR1         28.000 0.750 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP BR2         25.750 1.125 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP BR3         12.750 0.375 29.0011.6035.00 1    1.001.00     0.500 490.00
GRUP BR4         26.000 1.250 29.0011.2036.00 1    1.001.00     0.500 490.00
GRUP BRA         26.000 0.625 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP BRB         26.000 1.250 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP BRC         26.000 1.250 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP BV1          8.375 0.197 29.0011.6035.00 1    1.001.00     0.500 490.00
GRUP BV2         19.750 0.375 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP C24         24.000 0.625 29.0011.2036.00 9    1.001.00     0.500 1.57+3
GRUP C30         30.000 1.000 29.0011.6036.00 9    1.001.00     0.500 1.26+3
GRUP C36         36.000 1.000 29.0011.6036.00 1    1.001.00     0.500N1.40+3
GRUP CA1         24.000 0.500 29.0011.6036.00 1    1.001.00     0.500F614.20
GRUP CA2         18.000 0.500 29.0011.6036.00 1    1.001.00     0.500F614.20
GRUP CA3         42.000 0.500 29.0011.6036.00 1    1.001.00     0.500F614.20
GRUP CD1 W36X231               29.0011.2036.00 1    1.001.00     0.500 490.00
GRUP CD2 W36X150               29.0011.2036.00 1    1.001.00     0.500N490.00
GRUP CD3 W18X35                29.0011.2036.00 1    1.001.00     0.500N490.00
GRUP CD4 C6X8                  29.0011.6036.00 9    1.001.00     0.500 490.00
GRUP CD5 W8X31                 29.0011.2036.00 1    1.001.00           490.00
GRUP CD6 W6X12                 29.0011.6036.00 1    1.001.00     0.500N490.00
GRUP CD7 W12X40                29.0011.2036.00 1    1.001.00           490.00
GRUP CD8 COM1                  29.0011.6036.00 1    1.001.00          N490.00
GRUP CD9 W6X15                 29.0011.2036.00 1    1.001.00           490.00
GRUP CDY H450200               29.0011.2036.00 1    1.001.00          N490.00
GRUP CN1 CON1                  29.0011.2027.00 1    1.001.00           1.00-3
GRUP CN2 CON2                  29.0011.2027.00 1    1.001.00           1.00-3
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GRUP CN3 CON3                 29.0011.2027.00 1    1.001.00          1.00-3
GRUP CN4 CON4                 29.0011.2027.00 1    1.001.00          1.00-3
GRUP CN5 CON5                 29.0011.2027.00 1    1.001.00          1.00-3
GRUP CNX         30.000 1.000 29.0011.6036.00 9    1.001.00     0.500 1.26+3
GRUP CS2        X 6.625 0.288 29.0011.6036.00 9    1.001.00     0.500 490.00
GRUP CSX          6.625 0.288 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP DB1         12.750 0.500 29.0011.2035.00 1    1.001.00     0.500N490.00
GRUP DB3         16.000 0.500 29.0011.2036.00 1    1.001.00     0.500N490.00
GRUP DB4         16.000 0.750 29.0011.2036.00 1    1.001.00     0.500N490.00
GRUP DB5         10.750 0.365 29.0011.2035.00 1    1.001.00     0.500N490.00
GRUP DB7         16.000 0.375 29.0011.2036.00 1    1.001.00     0.500N490.00
GRUP DB8         16.000 0.375 29.0011.2035.00 1    1.001.00     0.500N490.00
GRUP DL1         36.000 1.500 29.0011.2036.00 1    1.801.80     0.500N490.00
GRUP DL2         36.000 1.000 29.0011.2036.00 1    1.001.00     0.500N490.00
GRUP DSP         16.000 0.500 29.0011.6036.00 1    1.001.00     0.500N490.00
GRUP DUG W6X12                29.0011.6036.00 9    1.001.00          N1.00-6
GRUP DUM CDG                  29.0011.6036.00 9    1.001.00     0.500N1.00-3
GRUP DUX CDG                  29.0011.6036.00 9    1.001.00          N1.00-3
GRUP DUY H150100              29.0011.6036.00 9    1.001.00          N1.00-6
GRUP EX1 W10X17               29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP EX3 W8X15                29.0011.2036.00 1    1.001.00           490.00
GRUP EXB W8B                  29.0011.2036.00 1    1.001.00           490.00
GRUP FL1         20.000 0.625 29.0011.6027.00 1    1.001.00     0.500 1.00-3
GRUP FL2         16.000 0.750 29.0011.2027.00 1    1.001.00     0.500 1.00-3
GRUP FL3         12.750 0.375 29.0011.6027.00 1    1.001.00     0.500 1.00-3
GRUP FL4          8.625 0.322 29.0011.6027.00 1    1.001.00     0.500 1.00-3
GRUP FL5          6.625 0.280 29.0011.6027.00 1    1.001.00     0.500 1.00-3
GRUP FL6         24.016 0.688 29.0011.6046.99 1    1.001.00     0.500 1.00-3
GRUP FL7         16.000 0.750 29.0011.2027.00 1    1.001.00     0.500 1.00-3
GRUP FL8         12.913 1.000 29.0011.2046.55 1    1.001.00     0.500 1.00-3
GRUP FL9         10.750 0.500 29.0011.2027.00 1    1.001.00     0.500 1.00-3
GRUP FLE         16.000 0.844 29.0011.6046.55 1    1.001.00     0.500 1.00-3
GRUP FLF          6.625 0.500 29.0011.6027.00 1    1.001.00     0.500 1.00-3
GRUP FLG         20.000 0.625 29.0011.6027.00 1    1.001.00     0.500 1.00-3
GRUP FLH         22.000 1.000 29.0011.6066.57 1    1.001.00     0.500 1.00-3
GRUP FLI         26.016 1.000 29.0011.6066.57 1    1.001.00     0.500 1.00-3
GRUP LA1 W8X31                29.0011.6036.00 1    1.001.00     0.500N490.00
GRUP LA2 W6X12                29.0011.6036.00 1    1.001.00     0.500N490.00
GRUP LA3          4.500 0.237 29.0011.6036.00 1    1.001.00     0.500N490.00
GRUP LC1         40.500 1.500 29.0011.6036.00 1    1.001.00     0.500F490.00
GRUP LG1         40.500 0.500 29.0011.6036.00 1    1.001.00     0.500F490.00
GRUP LG3         40.500 1.500 29.0011.6036.00 1    1.001.00     0.500F490.00
GRUP LG5         40.500 1.250 29.0011.6036.00 1    1.001.00     0.500F490.00
GRUP LG6         40.250 1.125 29.0011.6036.00 1    1.001.00     0.500F490.00
GRUP LGB         40.250 1.375 29.0011.6036.00 1    1.001.00     0.500F490.00
GRUP MD1 COM1                 29.0011.2036.00 1    1.001.00     0.500 490.00
GRUP MD2 W36X231              29.0011.2036.00 1    1.001.00     72.00 490.00
GRUP MD3 W6X15                29.0011.2036.00 1    1.001.00           490.00
GRUP MD4 W36X150              29.0011.6036.00 1    1.001.00           490.00
GRUP MD5 W18X35               29.0011.2036.00 1    1.001.00     0.500N490.00
GRUP MD6 COM4                 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP MD7 W12X40               29.0011.2036.00 1    1.001.00           490.00
GRUP MD8 C6X8                 29.0011.6036.00 9    1.001.00     0.500 490.00
GRUP MD9 COM1                 29.0011.2036.00 1    1.001.00           490.00
GRUP MDP W14X53               29.0011.6036.00 1    1.001.00     0.500N490.00
GRUP MN  W12X26               29.0011.2036.00 1    1.001.00           490.00
GRUP MN1          6.625 0.280 29.0011.2036.00 1    1.001.00     0.500 490.00
GRUP NST          4.500 0.237 29.0011.2036.00 1    1.001.00     0.500 490.00
GRUP OST          6.625 0.562 29.0011.2036.00 1    1.001.00     0.500 490.00
GRUP P2A         26.000 0.625 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP P2B         26.000 0.500 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP P2C         16.000 0.375 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP P2D         18.000 0.375 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP P2E         20.000 0.500 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP P2F         14.000 0.375 29.0011.6035.00 1    1.001.00     0.500 490.00
GRUP P2Y         20.000 0.625 29.0011.2036.00 1    1.001.00     0.500 490.00
GRUP P3A         18.000 0.500 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP P3B         14.000 0.375 29.0011.6035.00 1    1.001.00     0.500 490.00
GRUP P3C         14.000 0.500 29.0011.6035.00 1    1.001.00     0.500 490.00
GRUP P3D         16.000 0.625 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP P3E         16.000 0.500 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP P3F         16.000 0.375 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP P3G         12.750 0.375 29.0011.6035.00 1    1.001.00     0.500 490.00
GRUP P3H          8.625 0.322 29.0011.6035.00 1    1.001.00     0.500 490.00
GRUP P3X         16.000 0.500 29.0011.2036.00 1    1.001.00     0.500 490.00
GRUP P4A         18.000 0.750 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP P4B         18.000 0.625 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP P4C         12.750 0.375 29.0011.6035.00 1    1.001.00     0.500 490.00
GRUP P4D         14.000 0.500 29.0011.6035.00 1    1.001.00     0.500 490.00
GRUP P4E         16.000 0.625 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP P4F          8.625 0.322 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP P4G          8.625 0.322 29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP P4X          8.625 0.322 29.0011.6035.00 1    1.001.00     0.500 490.00
GRUP P4Y          8.625 0.322 29.0011.6035.00 1    1.001.00     0.500 490.00
GRUP P4Z          8.625 0.322 29.0011.6035.00 1    1.001.00     0.500N490.00
GRUP PDC         60.000 0.875 29.0011.6036.00 1    1.001.00     0.500N490.00
GRUP PL1         36.000 2.000 29.0011.2036.00 1    1.001.00     0.500N490.00
GRUP PL2         36.000 2.000 29.0011.2036.00 1    1.001.00     0.500N490.00
GRUP PL2         36.000 1.500 29.0011.2036.00 1    1.001.00     0.500N490.0033.1
GRUP PL3         36.000 2.000 29.0011.6036.00 1    1.001.00     0.500N490.00
GRUP PL4         36.000 1.500 29.0011.6036.00 1    1.001.00     0.500N490.00
GRUP R04          4.500 0.237 29.0011.2036.00 1    1.001.00     0.500 490.00
GRUP R10         10.750 0.365 29.0011.2035.00 1    1.001.00     0.500 490.00
GRUP RA1         10.750 0.365 29.0011.2035.00 1    1.001.00     0.500 490.00
GRUP RA2          4.500 0.337 29.0011.2036.00 1    1.001.00     0.500 490.00
GRUP RG1         10.500 0.375 29.0011.2036.00 1    1.001.00     0.500 490.00
GRUP RG2          8.375 0.375 29.0011.2036.00 1    1.001.00     0.500 490.00
GRUP RG3         12.750 0.500 29.0011.2036.00 1    1.001.00     0.500 490.00
GRUP RG4          8.625 0.500 29.0011.2036.00 1    1.001.00     0.500 490.00
GRUP RO1         20.000 1.000 29.0011.6036.00 9    1.001.00     0.500N555.00
GRUP RO2         12.750 0.625 29.0011.6035.00 9    1.001.00     0.500N562.80
GRUP RO6          8.625 0.500 29.0011.6035.00 9    1.001.00     0.500N546.40
GRUP RO7          3.500 0.300 29.0011.6035.00 9    1.001.00     0.500N557.50
GRUP ROC         10.750 0.500 29.0011.6035.00 9    1.001.00     0.500N559.80
GRUP RS1         12.000 0.375 29.0011.6035.00 1    1.001.00     0.500 490.00
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GRUP RS2         10.750 0.365 29.0011.6035.00 9    1.001.00     0.500N490.00
GRUP RS3          8.625 0.322 29.0011.6035.00 9    1.001.00     0.500N490.00
GRUP RS4          4.500 0.237 29.0011.6035.00 9    1.001.00     0.500 490.00
GRUP SC1          8.625 0.322 29.0011.2035.00 1    1.001.00     0.500 490.00
GRUP SCE          8.625 0.322 29.0011.2035.00 1    1.001.00     0.500 490.00
GRUP SD1 W12X26               29.0011.6036.00 1    1.001.00     0.500N490.00
GRUP SD2 W10X17               29.0011.6036.00 1    1.001.00     0.500 490.00
GRUP SD3 W12X50               29.0011.6036.00 1    1.001.00     0.500N490.00
GRUP SD4 C6X8                 29.0011.6036.00 9    1.001.00     0.500 490.00
GRUP SD5 W6X12                29.0011.6036.00 1    1.001.00           490.00
GRUP SH1 C6X8                 29.0011.6036.00 9    1.001.00     0.500 490.00
GRUP SH2          4.000 0.226 29.0011.6036.00 9    1.001.00     0.500 490.00
GRUP SST UB152                29.0011.2035.53 1    1.001.00           490.00
GRUP ST2 W10X17               29.0011.2036.00 1    1.001.00           490.00
GRUP ST4 C6X13                29.0011.2036.00 1    1.001.00           490.00
GRUP ST7 C6X8                 29.0011.2036.00 1    1.001.00           490.00
GRUP ST8 C10X15               29.0011.2036.00 1    1.001.00           490.00
GRUP ST9 W449                 29.0011.6035.53 1    1.001.00           490.00
GRUP TUB         14.000 0.625 29.0011.2036.00 1    1.001.00     0.500 490.00
GRUP VST W10X17               29.0011.2036.00 1    1.001.00           490.00
GRUP W.B         36.000 1.000 29.0011.2036.00 9    1.001.00     0.500F1.00-3
GRUP W18 W18B                 29.0011.2036.00 1    1.001.00           490.00
GRUP WH1 W12X26               29.0011.6036.00 1    1.001.00     0.500N490.00
GRUP WH2 W6X12                29.0011.6036.00 1    1.001.00     0.500N490.00
GRUP WH3 C6X8                 29.0011.6036.00 9    1.001.00     0.500N490.00
GRUP WH4 L505006              29.0011.6036.00 9    1.001.00          N490.00
GRUP WH5          6.625 0.288 29.0011.6036.00 1    1.001.00     0.500N490.00
GRUP WH6          4.500 0.237 29.0011.6036.00 1    1.001.00     0.500N490.00
GRUP WHX H300150              29.0011.6036.00 1    1.001.00          N490.00
GRUP WHY          4.500 0.237 29.0011.6035.00 1    1.001.00     0.500N490.00
GRUP WST UB254                29.0011.2035.53 1    1.001.00           490.00
GRUP XST UB254                29.0011.2035.53 1    1.001.00           490.00
GRUP YST UB203                29.0011.2035.53 1    1.001.00           490.00
GRUP ZST UB256.5              29.0011.2035.53 1    1.001.00           490.00
MEMBER
MEMBER106540655 1CD                          L    24.0
MEMBER OFFSETS                                -35.65           -35.65
MEMBER106551684 1CD                          L    24.0
MEMBER OFFSETS                                -35.65           -35.65
MEMBER108830887 1CD                          L    18.0
MEMBER OFFSETS                                -35.65           -35.65
MEMBER108871690 1CD                          L    18.0
MEMBER OFFSETS                                -35.65           -35.65
MEMBER116800654 1CD                          L    24.0
MEMBER OFFSETS                                -35.65           -35.65
MEMBER116911690 1CD                          L    18.0
MEMBER OFFSETS                                -35.65           -35.65
MEMBER106560657 2CD                          L    60.0
MEMBER OFFSETS                                -35.65           -35.65
MEMBER106571630 2CD                          L    60.0
MEMBER OFFSETS                                -35.65           -35.65
MEMBER108461630 2CD                          L    8.23
MEMBER OFFSETS                                -17.70           -35.90
MEMBER108501625 2CD                          L    8.23
MEMBER OFFSETS                                -17.70           -35.90
MEMBER110990656 2CD                          L    60.0
MEMBER OFFSETS                                -35.65           -35.65
MEMBER113031099 2CD                          L    60.0
MEMBER OFFSETS                                -35.65           -35.65
MEMBER116241303 2CD                          L    60.0
MEMBER OFFSETS                                -35.65           -35.65
MEMBER116251624 2CD                          L    60.0
MEMBER OFFSETS                                -35.65           -35.65
MEMBER116251628 2CD                          L    60.0
MEMBER OFFSETS                                -35.65           -35.65
MEMBER116281627 2CD                          L    60.0
MEMBER OFFSETS                                -35.65           -35.65
MEMBER116301629 2CD                          L    60.0
MEMBER OFFSETS                                -35.65           -35.65
MEMBER116841630 2CD                          L    15.0
MEMBER OFFSETS                                -35.65           -35.65
MEMBER100420739 3CD                          L        3.00
MEMBER OFFSETS                                -8.850           -8.850
MEMBER100750780 3CD                          L        3.00
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MEMBER105130886 3CD                          L    30.0
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MEMBER105150884 3CD                          L    30.0
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MEMBER105870725 3CD                          L
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MEMBER106310627 3CD                          L        3.00
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MEMBER106320990 3CD                          L        3.00
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MEMBER106541104 3CD                          L    30.0
MEMBER OFFSETS                                -8.850           -8.850
MEMBER106550986 3CD                          L    30.05.00
MEMBER OFFSETS                                -8.850           -8.850
MEMBER106560985 3CD                          L    12.012.0
MEMBER OFFSETS                                -8.850           -8.850
MEMBER106570654 3CD                          L    12.0
MEMBER OFFSETS                                -8.850           -8.850
MEMBER107250724 3CD                          L
MEMBER OFFSETS                                -8.850           -8.850
MEMBER107390738 3CD                          L        3.00
MEMBER OFFSETS                                -8.850           -8.850
MEMBER107800455 3CD                          L        3.00
MEMBER OFFSETS                                -8.850           -8.850
MEMBER108840513 3CD                          L    30.0
MEMBER OFFSETS                                -8.850           -8.850
MEMBER108840889 3CD                          L
MEMBER OFFSETS                                -8.850           -8.850
MEMBER108850515 3CD                          L    30.0
MEMBER OFFSETS                                -8.850           -8.850
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MEMBER108860883 3CD                          L    30.0
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MEMBER108860888 3CD                          L
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MEMBER108880887 3CD                          L    30.0
MEMBER OFFSETS                                -8.850           -8.850
MEMBER108881631 3CD                          L
MEMBER OFFSETS                                -8.850           -8.850
MEMBER108890888 3CD                          L    30.0
MEMBER OFFSETS                                -8.850           -8.850
MEMBER108891681 3CD                          L
MEMBER OFFSETS                                -8.850           -8.850
MEMBER108900889 3CD                          L    30.0
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MEMBER108901687 3CD                          L
MEMBER OFFSETS                                -8.850           -8.850
MEMBER109850655 3CD                          L    12.012.0
MEMBER OFFSETS                                -8.850           -8.850
MEMBER109860532 3CD
MEMBER OFFSETS                                -8.850           -8.850
MEMBER109860987 3CD                          L    30.04.00
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MEMBER109870988 3CD                          L    30.08.00
MEMBER OFFSETS                                -8.850           -8.850
MEMBER109880890 3CD                          L    30.03.50
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MEMBER109900989 3CD                          L        3.00
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MEMBER110171022 3CD                          L        3.00
MEMBER OFFSETS                                -8.850           -8.850
MEMBER110221019 3CD                          L        3.00
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MEMBER111040986 3CD
MEMBER OFFSETS                                -8.850           -8.850
MEMBER111041105 3CD                          L    30.0
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MEMBER111050885 3CD                          L    30.0
MEMBER OFFSETS                                -8.850           -8.850
MEMBER111311726 3CDSK                        L
MEMBER OFFSETS                                -8.850           -8.850
MEMBER116311636 3CD                          L
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MEMBER116420631 3CD                          L        3.00
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MEMBER116811637 3CD                          L
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MEMBER116871683 3CD                          L
MEMBER OFFSETS                                -8.850           -8.850
MEMBER117251131 3CDSK                        L
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MEMBER100400523 4CD                          L    30.03.00
MEMBER OFFSETS                                -26.80           -26.80
MEMBER100410475 4CD                          L    30.011.5
MEMBER OFFSETS                                -26.80           -26.80
MEMBER104751687 4CD                          L    30.011.5
MEMBER OFFSETS                                -26.80           -26.80
MEMBER105230041 4CD                          L    30.03.00
MEMBER OFFSETS                                -26.80           -26.80
MEMBER105320040 4CD                          L    30.06.00
MEMBER OFFSETS                                -26.80           -26.80
MEMBER105491690 4CD                          L    30.0
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MEMBER105691684 4CD                          L    12.012.0
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MEMBER116811631 4CD                          L    30.0
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MEMBER116840532 4CD                          L    30.06.00
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MEMBER116871681 4CD                          L    30.0
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MEMBER OFFSETS                                -35.90           -35.90
MEMBER1713 0070 4MD                          L    20.8
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MEMBER1762 793  4MD                          L    20.8
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MEMBER1793 0288 4MD                          L    20.8
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MEMBER100490067 4MD                          L    67.0
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MEMBER100678015 4MD                          L    67.0
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MEMBER100700072 4MD                          L    20.8
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MEMBER10072710  4MD                          L    20.85.48
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MEMBER102658006 4MD                          L    34.0
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MEMBER10772762  4MD                          L    20.8
MEMBER OFFSETS                                -35.90           -35.90
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MEMBER18004785  4MD                          L    34.0
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MEMBER117141717 CD3	L		
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MEMBER117150365 CD3	L	12.0	
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MEMBER151025079 EX1                    L    14.0
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MEMBER 09200947 FL1                    L    20.020.0
MEMBER 09390898 FL1                    L    20.020.0
MEMBER 09408513 FL1                    L    20.020.0
MEMBER 09410902 FL1                    L    17.017.0
MEMBER 09460917 FL1                    L    20.020.0
MEMBER 09478514 FL1                    L    20.020.0
MEMBER 09480937 FL1                    L    17.017.0
MEMBER 09558504 FL1                    L    19.919.9
MEMBER 09598505 FL1                    L    17.017.0
MEMBER 85040815 FL1                    L    6.476.47
MEMBER 85050958 FL1                    L    19.919.9
MEMBER 85110896 FL1                    L    22.122.1
MEMBER 85110939 FL1                    L    20.020.0
MEMBER 85120916 FL1                    L    22.122.1
MEMBER 85120946 FL1                    L    20.020.0
MEMBER 85130941 FL1                    L    17.017.0
MEMBER 85140948 FL1                    L    17.017.0
MEMBER 06178516 FL2                    L    17.017.0
MEMBER 07278517 FL2                    L    15.015.0
MEMBER 08130816 FL2                    L    6.476.47
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MEMBER OFFSETS                                      1.412-9.982
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MEMBER 08498520 FL2                    L    13.013.0
MEMBER 08510935 FL2                    L    10.010.0
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MEMBER108570997 FL2                    L    4.00
MEMBER OFFSETS                          -8.000           -8.000
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MEMBER 09048515 FL2                    L    17.017.0
MEMBER 09088519 FL2                    L    13.013.0
MEMBER 09180919 FL2                    L    20.020.0
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MEMBER 09430928 FL2                     L    13.013.0
MEMBER 09498518 FL2                     L    15.015.0
MEMBER 09500931 FL2                     L    13.013.0
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MEMBER 85070966 FL2                     L    15.015.0
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MEMBER 85160923 FL2                     L    15.015.0
MEMBER 85170847 FL2                     L    13.013.0
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MEMBER 08020858 FL3                     L    1.98.991
MEMBER 08100939 FL3                     L    11.311.3
MEMBER 08100955 FL3                     L
MEMBER 08480946 FL3                     L    11.311.3
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MEMBER 09440852 FL3                     L    10.010.0
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MEMBER 09470848 FL3                     L    9.639.63
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MEMBER 09520855 FL3                     L    10.110.0
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MEMBER 85048512 FL3                     L    15.115.1
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MEMBER 85058514 FL3                     L    13.213.2
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MEMBER 09498506 FL4                     L    17.317.3
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MEMBER 10050856 FL4                     L
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MEMBER 10118512 FL4                     L
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MEMBER 85060948 FL4                     L    20.120.1
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MEMBER 85068516 FL4                     L    11.511.5
MEMBER 85078517 FL4                     L    10.110.1
MEMBER 85078518 FL4                     L    10.110.1
MEMBER 85080943 FL4                     L    15.315.3
MEMBER 85080950 FL4                     L    15.315.3
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MEMBER 08930894 FL5                     L
MEMBER 09448508 FL5                     L    12.212.2
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MEMBER 85098522 FL5                          L    7.957.95
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MEMBER 08530858 FLF                          L
MEMBER 08538537 FLF                          L    5.595.59
MEMBER 08588537 FLF                          L    5.595.59
MEMBER 11290981 FLG                          L    4.00
MEMBER 11300157 FLG                          L    4.00
MEMBER 08161129 FLH                          L    4.00
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MEMBER 08181132 FLI                          L
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MEMBER 08401134 FLI                          L
MEMBER 11350840 FLI                          L
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MEMBER 105 1097 LC1                          L    22.322.3
MEMBER 107 1061 LC1                          L    22.122.1
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MEMBER 141 203  LC1                          L    22.122.1
MEMBER 142 207  LC1                          L    22.122.1
MEMBER 143 205  LC1                          L    22.322.3
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MEMBER 203 1031 LC1                          L    37.237.2
MEMBER 205 1098 LC1                          L    37.537.5
MEMBER 207 1086 LC1                          L    37.237.2
MEMBER 301 6001 LC1
MEMBER 303 6002 LC1
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MEMBER 05840703 LC1                          L    37.537.5
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MEMBER 0703301  LC1                          L    37.537.5
MEMBER 0704305  LC1                          L    37.537.5
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MEMBER 10910705 LC1                          L    37.237.2
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MEMBER 305 6003 LG3
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MEMBER 551 0715 LG6                    L    37.237.2
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MEMBER 1102554  LG6                    L    37.537.5
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MEMBER 553 0583 LGB                    L    37.537.5
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MEMBER1824 825  MD2                    L    17.0
MEMBER OFFSETS                          -36.20           -36.20
MEMBER1825 826  MD2                    L    17.0
MEMBER OFFSETS                          -36.20           -36.20
MEMBER1826 827  MD2                    L    17.0
MEMBER OFFSETS                          -36.20           -36.20
MEMBER1827 887  MD2                    L    17.0
MEMBER OFFSETS                          -36.20           -36.20
MEMBER1891 893  MD2                    L    22.5
MEMBER OFFSETS                          -36.20           -36.20
MEMBER1927 709  MD2                    L    22.5
MEMBER OFFSETS                          -36.20           -36.20
MEMBER1929 0466 MD2                    L    22.5
MEMBER OFFSETS                          -36.20           -36.20
MEMBER1932 712  MD2                    L    22.5
MEMBER OFFSETS                          -36.20           -36.20
MEMBER1933 811  MD2                    L    16.5
MEMBER OFFSETS                          -36.20           -36.20
MEMBER1944 820  MD2                    L    16.5
MEMBER OFFSETS                          -36.20           -36.20
MEMBER1950 824  MD2                    L    17.03.00
MEMBER OFFSETS                          -36.20           -36.20
MEMBER1955 815  MD2                    L    17.03.00
MEMBER OFFSETS                          -36.20           -36.20
MEMBER1000M8020 MD2                    L    22.53.00
MEMBER OFFSETS                          -36.20           -36.20
MEMBER1000N8016 MD2                    L    22.53.00
MEMBER OFFSETS                          -36.20           -36.20
MEMBER100690071 MD2                    L    22.5
MEMBER OFFSETS                          -36.20           -36.20
MEMBER10263927  MD2                    L    22.5
MEMBER OFFSETS                          -36.20           -36.20
MEMBER10466891  MD2                    L    22.5
MEMBER OFFSETS                          -36.20           -36.20
MEMBER104670069 MD2                    L    22.5
MEMBER OFFSETS                          -36.20           -36.20
MEMBER10770932  MD2                    L    22.5
MEMBER OFFSETS                          -36.20           -36.20
MEMBER18016778  MD2                    L    22.5
MEMBER OFFSETS                          -36.20           -36.20
MEMBER18017000N MD2                    L    22.53.00
MEMBER OFFSETS                          -36.20           -36.20
MEMBER18020782  MD2                    L    22.5
MEMBER OFFSETS                          -36.20           -36.20
MEMBER18021000M MD2                    L    22.53.00
MEMBER OFFSETS                          -36.20           -36.20
MEMBER100597016 MD3                    L    20.6
MEMBER OFFSETS                          -2.995           -2.995
MEMBER100650796 MD3                    L
MEMBER OFFSETS                          -2.995           -2.995
MEMBER100730065 MD3                    L
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MEMBER OFFSETS                          -2.995          -2.995
MEMBER100730790 MD3                    L
MEMBER OFFSETS                          -2.995          -2.995
MEMBER100740073 MD3                    L
MEMBER OFFSETS                          -2.995          -2.995
MEMBER100760074 MD3                    L
MEMBER OFFSETS                          -2.995          -2.995
MEMBER107860794 MD3                    L
MEMBER OFFSETS                          -2.995          -2.995
MEMBER107900805 MD3                    L    20.6
MEMBER OFFSETS                          -2.995          -2.995
MEMBER107940785 MD3                    L
MEMBER OFFSETS                          -2.995          -2.995
MEMBER107950804 MD3                    L
MEMBER OFFSETS                          -2.995          -2.995
MEMBER107970796 MD3                    L
MEMBER OFFSETS                          -2.995          -2.995
MEMBER107980807 MD3                    L
MEMBER OFFSETS                          -2.995          -2.995
MEMBER108040805 MD3                    L
MEMBER OFFSETS                          -2.995          -2.995
MEMBER108050052 MD3                    L
MEMBER OFFSETS                          -2.995          -2.995
MEMBER108050806 MD3                    L
MEMBER OFFSETS                          -2.995          -2.995
MEMBER108060807 MD3                    L
MEMBER OFFSETS                          -2.995          -2.995
MEMBER108070797 MD3                    L
MEMBER OFFSETS                          -2.995          -2.995
MEMBER1752 753  MD4                    L    15.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1753 755  MD4                    L    15.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1755 756  MD4                    L    15.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1756 777  MD4                    L    15.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1765 766  MD4                    L    67.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1766 767  MD4                    L    67.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1767 768  MD4                    L    67.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1768 783  MD4                    L    67.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1776 781  MD4                    L    20.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1777 801  MD4                    L    50.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1781 790  MD4                    L    20.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1783 828  MD4                    L    50.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1785 752  MD4                    L    15.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1790 786  MD4                    L    20.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1801 802  MD4                    L    50.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1802 803  MD4                    L    50.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1803 804  MD4                    L    50.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1804 805  MD4                    L    50.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1805 806  MD4                    L    50.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1806 807  MD4                    L    50.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1807 808  MD4                    L    50.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1808 809  MD4                    L    50.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1809 0282 MD4                    L    50.03.00
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1828 829  MD4                    L    50.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1829 830  MD4                    L    50.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1830 831  MD4                    L    50.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1831 832  MD4                    L    50.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1832 834  MD4                    L    50.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1834 835  MD4                    L    50.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1835 836  MD4                    L    50.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1836 838  MD4                    L    50.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1851 0283 MD4                    L    50.03.00
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1858 0524 MD4                    L    50.03.00
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1859 0284 MD4                    L    50.03.00
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1860 861  MD4                    L    50.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1861 863  MD4                    L    50.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1863 776  MD4                    L    50.0
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1868 0522 MD4                    L    50.01.75
MEMBER OFFSETS                          -35.90          -35.90
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MEMBER10282868  MD4                     L    50.03.00
MEMBER OFFSETS                          -35.90          -35.90
MEMBER10283858  MD4                     L    50.03.00
MEMBER OFFSETS                          -35.90          -35.90
MEMBER10284860  MD4                     L    50.03.00
MEMBER OFFSETS                          -35.90          -35.90
MEMBER10522851  MD4                     L    50.01.75
MEMBER OFFSETS                          -35.90          -35.90
MEMBER10524859  MD4                     L    50.03.00
MEMBER OFFSETS                          -35.90          -35.90
MEMBER1700 0162 MD5                     L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1702 704  MD5                     L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1702 729  MD5                     L       3.83
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1704 708  MD5                     L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1704 720  MD5                     L       3.83
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1706 714  MD5                     L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1708 717  MD5                     L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1708 722  MD5                     L       3.83
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1711 937  MD5                     L    19.619.4
MEMBER OFFSETS                          -26.55          -26.55
MEMBER1711 970  MD5                     L    30.0
MEMBER OFFSETS                          -26.55          -26.55
MEMBER1711 1068 MD5                     L    30.0
MEMBER OFFSETS                          -26.55          -26.55
MEMBER1714 718  MD5                     L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1716 0113 MD5                     L    30.06.00
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1717 727  MD5                     L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1718 792  MD5                     L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1719 870  MD5                     L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1720 706  MD5                     L       3.83
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1721 0116 MD5                     L    30.06.00
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1722 714  MD5                     L       3.83
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1727 718  MD5                     L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1728 700  MD5                     L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1729 700  MD5                     L       3.83
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1730 935  MD5                     L    12.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1731 798  MD5                     L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1732 801  MD5                     L    5.66
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1733 802  MD5                     L    5.66
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1734 803  MD5                     L    5.66
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1735 804  MD5                     L    5.66
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1736 805  MD5                     L    5.66
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1737 806  MD5                     L    5.66
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1738 807  MD5                     L    5.66
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1739 808  MD5                     L    5.66
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1740 785  MD5                     L    5.66
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1743 786  MD5                     L    5.66
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1748 752  MD5                     L    5.66
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1749 753  MD5                     L    5.66
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1750 755  MD5                     L    5.66
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1751 756  MD5                     L    5.66
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1752 757  MD5                     L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1753 0035 MD5                     L    12.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1755 0033 MD5                     L    12.0
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MEMBER1756 0025 MD5                     L    12.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1757 0182 MD5                     L    30.0
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MEMBER1758 770  MD5                     L
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MEMBER1759 0158 MD5                     L    30.0
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MEMBER1765 959  MD5                     L    5.66
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1766 892  MD5                     L    5.66
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1767 763  MD5                     L    5.66
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MEMBER1767 772  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1768 764  MD5                    L    5.66
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1768 0181 MD5                    L    12.0
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MEMBER1769 765  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1770 766  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1771 873  MD5                    L    12.0
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MEMBER1772 7861 MD5                    L    30.017.5
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MEMBER1773 0176 MD5                    L    30.0
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MEMBER1774 0128 MD5                    L    12.06.00
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MEMBER1775 786  MD5                    L
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MEMBER1775 0077 MD5                    L    30.0
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MEMBER1775 0125 MD5                    L    12.06.00
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1778 785  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1779 781  MD5                    L    5.66
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1780 790  MD5                    L    5.66
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MEMBER1781 0144 MD5                    L    12.0
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MEMBER1782 949  MD5                    L    30.0
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MEMBER1784 746  MD5                    L    5.66
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MEMBER1788 747  MD5                    L    5.66
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MEMBER1788 774  MD5                    L
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MEMBER1789 0147 MD5                    L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1790 795  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1791 717  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1795 923  MD5                    L
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MEMBER1797 796  MD5                    L    5.66
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1798 799  MD5                    L    5.66
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1800 809  MD5                    L    5.66
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1801 0061 MD5                    L    12.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1802 0085 MD5                    L    12.0
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MEMBER1803 0087 MD5                    L    12.0
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MEMBER1804 0088 MD5                    L    12.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1805 814  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1806 815  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1807 816  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1808 817  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1809 818  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1811 0164 MD5                    L    30.0
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MEMBER1812 0167 MD5                    L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1813 0169 MD5                    L    30.0
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MEMBER1814 0451 MD5                    L    30.030.0
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MEMBER1815 0453 MD5                    L    30.030.0
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MEMBER1816 0454 MD5                    L    30.030.0
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MEMBER1817 1094 MD5                    L    30.0
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MEMBER1818 1103 MD5                    L    30.0
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MEMBER1820 942  MD5                    L    12.0
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MEMBER1821 931  MD5                    L    12.0
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MEMBER1822 831  MD5                    L
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MEMBER1823 832  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1824 834  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1825 835  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1826 836  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1827 838  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
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MEMBER1828 839  MD5                    L    5.66
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MEMBER1828 930  MD5                    L    12.0
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MEMBER1829 840  MD5                    L    5.66
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MEMBER1830 7550 MD5                    L    20.63.74
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MEMBER1831 842  MD5                    L
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MEMBER1832 844  MD5                    L    20.65.38
MEMBER OFFSETS                          -8.850           -8.850
MEMBER1834 845  MD5                    L    20.6
MEMBER OFFSETS                          -8.850           -8.850
MEMBER1835 846  MD5                    L
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MEMBER1836 848  MD5                    L    20.6
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MEMBER1838 849  MD5                    L    20.6
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MEMBER1844 0065 MD5                    L    20.65.38
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MEMBER1845 0064 MD5                    L    20.6
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MEMBER1848 0060 MD5                    L    20.6
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MEMBER1849 0059 MD5                    L    20.6
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MEMBER1850 851  MD5                    L    5.66
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MEMBER1851 0083 MD5                    L    12.012.0
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MEMBER1852 858  MD5                    L    5.66
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MEMBER1854 859  MD5                    L    5.66
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MEMBER1855 860  MD5                    L    5.66
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MEMBER1856 861  MD5                    L    5.66
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MEMBER1858 0082 MD5                    L    12.012.0
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MEMBER1859 0079 MD5                    L    12.012.0
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MEMBER1860 865  MD5                    L
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MEMBER1861 2080 MD5                    L
MEMBER OFFSETS                          -8.850           -8.850
MEMBER1862 863  MD5                    L    5.66
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MEMBER1863 0146 MD5                    L    12.012.0
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MEMBER1864 0114 MD5                    L        6.00
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MEMBER1865 910  MD5                    L
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MEMBER1866 0149 MD5                    L
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MEMBER1867 868  MD5                    L    5.66
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MEMBER1869 0124 MD5                    L    30.015.0
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MEMBER1870 871  MD5                    L    5.66
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MEMBER1872 877  MD5                    L    5.66
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MEMBER1873 878  MD5                    L    5.66
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MEMBER1874 879  MD5                    L    5.66
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MEMBER1875 880  MD5                    L    5.66
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MEMBER1876 881  MD5                    L    5.66
MEMBER OFFSETS                          -8.850           -8.850
MEMBER1882 872  MD5                    L
MEMBER OFFSETS                          -8.850           -8.850
MEMBER1883 874  MD5                    L
MEMBER OFFSETS                          -8.850           -8.850
MEMBER1884 934  MD5                    L    12.012.0
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MEMBER1886 885  MD5                    L    5.66
MEMBER OFFSETS                          -8.850           -8.850
MEMBER1887 886  MD5                    L
MEMBER OFFSETS                          -8.850           -8.850
MEMBER1887 0875 MD5                    L    30.015.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER1888 889  MD5                    L    30.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER1888 909  MD5                    L
MEMBER OFFSETS                          -8.850           -8.850
MEMBER1889 890  MD5                    L    30.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER1889 897  MD5                    L
MEMBER OFFSETS                          -8.850           -8.850
MEMBER1890 895  MD5                    L    30.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER1890 898  MD5                    L
MEMBER OFFSETS                          -8.850           -8.850
MEMBER1895 719  MD5                    L    30.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER1895 912  MD5                    L
MEMBER OFFSETS                          -8.850           -8.850
MEMBER1896 897  MD5                    L    30.0
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MEMBER OFFSETS                          -8.850          -8.850
MEMBER1896 910  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1897 898  MD5                    L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1897 901  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1898 899  MD5                    L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1898 902  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1899 771  MD5                    L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1899 913  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1900 901  MD5                    L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1900 911  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1901 715  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1901 902  MD5                    L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1902 904  MD5                    L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1902 906  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1904 914  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1904 2020 MD5                    L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1909 896  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1910 900  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1911 905  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1912 882  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1912 899  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1913 883  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1913 904  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1914 908  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1914 0150 MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1915 916  MD5                    L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1915 923  MD5                    L    6.67
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1916 917  MD5                    L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1916 920  MD5                    L    6.67
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1917 918  MD5                    L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1917 921  MD5                    L    6.67
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1918 924  MD5                    L    6.67
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1918 0153 MD5                    L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1919 920  MD5                    L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1919 0126 MD5                    L    12.06.00
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1920 921  MD5                    L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1920 9203 MD5                    L    12.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1921 922  MD5                    L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1921 9204 MD5                    L    12.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1922 0078 MD5                    L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1922 0127 MD5                    L    12.06.00
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1923 919  MD5                    L    6.67
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1924 731  MD5                    L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1924 922  MD5                    L    6.67
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1928 1116 MD5                    L    19.619.4
MEMBER OFFSETS                          -26.55          -26.55
MEMBER1929 1114 MD5                    L    20.219.4
MEMBER OFFSETS                          -26.55          -26.55
MEMBER1930 0180 MD5                    L    12.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1931 830  MD5                    L    12.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1933 0161 MD5                    L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1934 876  MD5                    L    12.012.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1935 797  MD5                    L    12.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER1936 1117 MD5                    L    19.619.4
MEMBER OFFSETS                          -26.55-0.188    -26.55
MEMBER1937 0092 MD5                    L    19.619.4
MEMBER OFFSETS                          -26.55          -26.55
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MEMBER1940 0775 MD5                    L    20.219.4
MEMBER OFFSETS                          -26.55           -26.55
MEMBER1941 940  MD5                    L    20.219.4
MEMBER OFFSETS                          -26.55           -26.55
MEMBER1942 829  MD5                    L    12.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER1945 941  MD5                    L    20.219.4
MEMBER OFFSETS                          -26.55           -26.55
MEMBER1948 0183 MD5                    L    30.04.40
MEMBER OFFSETS                          -8.850           -8.850
MEMBER1949 948  MD5                    L    30.04.40
MEMBER OFFSETS                          -8.850           -8.850
MEMBER1949 0184 MD5                    L
MEMBER OFFSETS                          -8.850           -8.850
MEMBER1963 1115 MD5                    L    20.219.4
MEMBER OFFSETS                          -26.55           -26.55
MEMBER1970 709  MD5                    L    30.0
MEMBER OFFSETS                          -26.55           -26.55
MEMBER1984 985  MD5                    L    30.0
MEMBER OFFSETS                          -26.55           -26.55
MEMBER1985 712  MD5                    L    30.0
MEMBER OFFSETS                          -26.55           -26.55
MEMBER100250155 MD5                    L    12.09.00
MEMBER OFFSETS                          -8.850           -8.850
MEMBER10033759  MD5                    L    12.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER10035758  MD5                    L    12.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER10038935  MD5                    L
MEMBER OFFSETS                          -8.850           -8.850
MEMBER100610156 MD5                    L    12.09.60
MEMBER OFFSETS                          -8.850           -8.850
MEMBER100640793 MD5                    L    20.6
MEMBER OFFSETS                          -8.850           -8.850
MEMBER10077919  MD5                    L    30.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER10078774  MD5                    L    30.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER100790086 MD5                    L    12.012.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER100820089 MD5                    L    12.012.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER100830093 MD5                    L    12.012.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER100840094 MD5                    L    12.012.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER10085811  MD5                    L    12.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER100860112 MD5                    L    12.012.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER10087812  MD5                    L    12.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER10088813  MD5                    L    12.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER100890111 MD5                    L    12.012.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER10092928  MD5                    L    19.619.4
MEMBER OFFSETS                          -26.55           -26.55
MEMBER100930108 MD5                    L    12.012.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER100940107 MD5                    L    12.012.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER10107869  MD5                    L    12.012.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER10108716  MD5                    L    12.012.0
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MEMBER10111864  MD5                    L    12.012.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER10112721  MD5                    L    12.012.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER10113888  MD5                    L    30.06.00
MEMBER OFFSETS                          -8.850           -8.850
MEMBER10114909  MD5                    L       6.00
MEMBER OFFSETS                          -8.850           -8.850
MEMBER10116896  MD5                    L    30.06.00
MEMBER OFFSETS                          -8.850           -8.850
MEMBER101259201 MD5                    L    12.06.00
MEMBER OFFSETS                          -8.850           -8.850
MEMBER101269202 MD5                    L    12.06.00
MEMBER OFFSETS                          -8.850           -8.850
MEMBER101279205 MD5                    L    12.06.00
MEMBER OFFSETS                          -8.850           -8.850
MEMBER101289206 MD5                    L    12.06.00
MEMBER OFFSETS                          -8.850           -8.850
MEMBER10144789  MD5                    L    12.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER101450144 MD5                    L
MEMBER OFFSETS                          -8.850           -8.850
MEMBER10146866  MD5                    L    12.012.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER10147915  MD5                    L    30.0
MEMBER OFFSETS                          -8.850           -8.850
MEMBER10149911  MD5                    L
MEMBER OFFSETS                          -8.850           -8.850
MEMBER101490148 MD5                    L
MEMBER OFFSETS                          -8.850           -8.850
MEMBER10150884  MD5                    L
MEMBER OFFSETS                          -8.850           -8.850
MEMBER101500151 MD5                    L       3.25
MEMBER OFFSETS                          -8.850           -8.850
MEMBER101510152 MD5                    L       3.25
MEMBER OFFSETS                          -8.850           -8.850
MEMBER101520153 MD5                    L
MEMBER OFFSETS                          -8.850           -8.850
MEMBER10153730  MD5                    L    30.0
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MEMBER OFFSETS                          -8.850          -8.850
MEMBER10155760  MD5                   L    12.09.00
MEMBER OFFSETS                          -8.850          -8.850
MEMBER10156933  MD5                   L    12.09.60
MEMBER OFFSETS                          -8.850          -8.850
MEMBER10158702  MD5                   L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101580159 MD5                   L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER10159708  MD5                   L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER10159791  MD5                   L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101600161 MD5                   L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101610163 MD5                   L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER10162706  MD5                   L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101630164 MD5                   L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101630165 MD5                   L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101640166 MD5                   L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101650166 MD5                   L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101650170 MD5                   L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101660167 MD5                   L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101670169 MD5                   L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101670172 MD5                   L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101680165 MD5                   L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101690171 MD5                   L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101700173 MD5                   L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101700178 MD5                   L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER10171822  MD5                   L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER10172821  MD5                   L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101720171 MD5                   L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER10173820  MD5                   L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101730172 MD5                   L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101740170 MD5                   L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER10175727  MD5                   L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER10175754  MD5                   L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101760175 MD5                   L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101760177 MD5                   L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER10178944  MD5                   L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER10180944  MD5                   L    12.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER10181773  MD5                   L    12.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101820184 MD5                   L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER10183778  MD5                   L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER101830182 MD5                   L
MEMBER OFFSETS                          -8.850          -8.850
MEMBER10184769  MD5                   L    30.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER104510866 MD5                   L    30.030.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER104530867 MD5                   L    30.030.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER104540868 MD5                   L    30.030.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER10775711  MD5                   L    20.219.4
MEMBER OFFSETS                         -26.55          -26.55
MEMBER107780869 MD5                   L    30.015.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER107810870 MD5                   L    30.015.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER107930046 MD5                   L    20.6
MEMBER OFFSETS                          -8.850          -8.850
MEMBER108600124 MD5                   L    30.015.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER10866823  MD5                   L    30.030.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER10867824  MD5                   L    30.030.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER10868825  MD5                   L    30.030.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER10869826  MD5                   L    30.015.0
MEMBER OFFSETS                          -8.850          -8.850
MEMBER10870827  MD5                   L    30.015.0
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MEMBER108750860 MD5                   L    30.015.0
MEMBER OFFSETS                          -8.850          -8.850
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MEMBER11068949  MD5                          L
MEMBER OFFSETS                                -8.850           -8.850
MEMBER11068984  MD5                          L    30.0
MEMBER OFFSETS                                -26.55           -26.55
MEMBER110940778 MD5                          L    30.0
MEMBER OFFSETS                                -8.850           -8.850
MEMBER111030781 MD5                          L    30.0
MEMBER OFFSETS                                -8.850           -8.850
MEMBER11114963  MD5                          L    20.219.4
MEMBER OFFSETS                                -26.55           -26.55
MEMBER11115945  MD5                          L    20.219.4
MEMBER OFFSETS                                -26.55           -26.55
MEMBER11116936  MD5                          L    19.619.4
MEMBER OFFSETS                                -26.55           -26.55
MEMBER11117713  MD5                          L    19.619.4
MEMBER OFFSETS                    -0.188      -26.55           -26.55
MEMBER12020875  MD5                          L
MEMBER OFFSETS                                -8.850           -8.850
MEMBER12080900  MD5                          L    30.0
MEMBER OFFSETS                                -8.850           -8.850
MEMBER17200702  MD5                          L
MEMBER OFFSETS                                -8.850           -8.850
MEMBER17861791  MD5                          L    30.017.5
MEMBER OFFSETS                                -8.850           -8.850
MEMBER192029201 MD5                          L
MEMBER OFFSETS                                -8.850           -8.850
MEMBER192039202 MD5                          L
MEMBER OFFSETS                                -8.850           -8.850
MEMBER192049203 MD5                          L
MEMBER OFFSETS                                -8.850           -8.850
MEMBER192059204 MD5                          L
MEMBER OFFSETS                                -8.850           -8.850
MEMBER192069205 MD5                          L
MEMBER OFFSETS                                -8.850           -8.850
MEMBER1784 797  MD6                          L    20.0
MEMBER OFFSETS                                -26.80           -26.80
MEMBER1797 798  MD6                          L    20.0
MEMBER OFFSETS                                -26.80           -26.80
MEMBER1798 788  MD6                          L    20.0
MEMBER OFFSETS                                -26.80           -26.80
MEMBER1838 886  MD6                          L    50.0
MEMBER OFFSETS                                -26.80           -26.80
MEMBER1870 872  MD6                          L    50.0
MEMBER OFFSETS                                -26.80           -26.80
MEMBER1872 873  MD6                          L    50.0
MEMBER OFFSETS                                -26.80           -26.80
MEMBER1873 874  MD6                          L    50.0
MEMBER OFFSETS                                -26.80           -26.80
MEMBER1874 875  MD6                          L    50.0
MEMBER OFFSETS                                -26.80           -26.80
MEMBER1875 876  MD6                          L    50.0
MEMBER OFFSETS                                -26.80           -26.80
MEMBER1876 784  MD6                          L    50.0
MEMBER OFFSETS                                -26.80           -26.80
MEMBER1886 870  MD6                          L    50.0
MEMBER OFFSETS                                -26.80           -26.80
MEMBER1842 0783 MD7                          L
MEMBER OFFSETS                                -11.90           -11.90
MEMBER1845 0785 MD7                          L
MEMBER OFFSETS                                -11.90           -11.90
MEMBER1846 848  MD7                          L
MEMBER OFFSETS                                -11.90           -11.90
MEMBER100600808 MD7                          L    20.6
MEMBER OFFSETS                                -11.90           -11.90
MEMBER100650792 MD7                          L    20.6
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MEMBER100740784 MD7                          L    20.6
MEMBER OFFSETS                                -11.90           -11.90
MEMBER10779845  MD7                          L
MEMBER OFFSETS                                -11.90           -11.90
MEMBER10782842  MD7                          L
MEMBER OFFSETS                                -11.90           -11.90
MEMBER107820074 MD7                          L    20.6
MEMBER OFFSETS                                -11.90           -11.90
MEMBER107840790 MD7                          L
MEMBER OFFSETS                                -11.90           -11.90
MEMBER107840804 MD7                          L    20.6
MEMBER OFFSETS                                -11.90           -11.90
MEMBER10785846  MD7                          L
MEMBER OFFSETS                                -11.90           -11.90
MEMBER107900792 MD7                          L
MEMBER OFFSETS                                -11.90           -11.90
MEMBER107920797 MD7                          L
MEMBER OFFSETS                                -11.90           -11.90
MEMBER107920806 MD7                          L    20.6
MEMBER OFFSETS                                -11.90           -11.90
MEMBER107930794 MD7                          L
MEMBER OFFSETS                                -11.90           -11.90
MEMBER107940808 MD7                          L
MEMBER OFFSETS                                -11.90           -11.90
MEMBER107970793 MD7                          L
MEMBER OFFSETS                                -11.90           -11.90
MEMBER108047011 MD7                          L    20.6
MEMBER OFFSETS                                -11.90           -11.90
MEMBER108060048 MD7                          L    20.6
MEMBER OFFSETS                                -11.90           -11.90
MEMBER108080044 MD7                          L    20.6
MEMBER OFFSETS                                -11.90           -11.90
MEMBER175500782 MD7                          L    20.63.74
MEMBER OFFSETS                                -11.90           -11.90
MEMBER1732 733  MD8SK                        L    3.00
MEMBER OFFSETS                                -3.000           -3.000
MEMBER1733 734  MD8SK                        L    3.00
MEMBER OFFSETS                                -3.000           -3.000
MEMBER1734 735  MD8SK                        L    3.00
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MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1735 736  MD8SK                          L    3.00
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1736 737  MD8SK                          L    3.00
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MEMBER1737 738  MD8SK                          L    3.00
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1738 739  MD8SK                          L    3.00
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1739 800  MD8SK                          L    3.00
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1740 748  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1741 732  MD8SK                          L    3.00
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1742 779  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1745 839  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1746 796  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1748 749  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1749 750  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1750 751  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1751 741  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1763 764  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1763 892  MD8SK           180.00         L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1764 745  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1779 780  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1780 743  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1796 799  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1799 747  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1800 867  MD8SK                          L    3.00
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1839 840  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1840 0057 MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1849 885  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1850 852  MD8SK                          L    3.00
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1852 854  MD8SK                          L    3.00
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1854 0110 MD8SK                          L    2.063.00
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1855 856  MD8SK                          L    3.00
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1856 862  MD8SK                          L    3.00
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1862 742  MD8SK                          L    3.25
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1867 850  MD8SK                          L    1.75
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1871 877  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1877 878  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1878 879  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1879 880  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1880 881  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1881 746  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1885 871  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1959 892  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1960 959  MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER1961 960  MD8                            L    5.66
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER100447016 MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER100450044 MD8SK                          L        4.11
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER100460786 MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER100480798 MD8SK                          L    3.00
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER100520048 MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER100580795 MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER100587011 MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER100760057 MD8SK                          L
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER10110855  MD8SK                          L    .9373.00
MEMBER OFFSETS                                  -3.000          -3.000
MEMBER107860045 MD8SK                          L        4.11
MEMBER OFFSETS                                  -3.000          -3.000
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MEMBER107950076 MD8SK                    L
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MEMBER107980046 MD8SK                    L    3.00
MEMBER OFFSETS                            -3.000           -3.000
MEMBER11113960  MD8
MEMBER OFFSETS                            -3.000           -3.000
MEMBER170110052 MD8SK                    L
MEMBER OFFSETS                            -3.000           -3.000
MEMBER1701 0177 MD9                      L    14.02.00
MEMBER OFFSETS                            -26.80           -26.80
MEMBER1705 0154 MD9                      L    12.012.0
MEMBER OFFSETS                            -26.80           -26.80
MEMBER1705 0814 MD9                      L    16.02.00
MEMBER OFFSETS                            -26.80           -26.80
MEMBER1707 0145 MD9                      L    12.0
MEMBER OFFSETS                            -26.80           -26.80
MEMBER1707 0148 MD9                      L    15.0
MEMBER OFFSETS                            -26.80           -26.80
MEMBER1715 958  MD9                      L    15.0
MEMBER OFFSETS                            -26.80           -26.80
MEMBER1723 0168 MD9                      L    16.07.75
MEMBER OFFSETS                            -26.80           -26.80
MEMBER1724 0811 MD9                      L    14.07.75
MEMBER OFFSETS                            -26.80           -26.80
MEMBER1741 777  MD9                      L    5.66
MEMBER OFFSETS                            -26.80           -26.80
MEMBER1742 776  MD9                      L    5.66
MEMBER OFFSETS                            -26.80           -26.80
MEMBER1742 0692 MD9                      L
MEMBER OFFSETS                            -26.80           -26.80
MEMBER1754 0199 MD9                      L    16.03.50
MEMBER OFFSETS                            -26.80           -26.80
MEMBER1783 745  MD9                      L    5.66
MEMBER OFFSETS                            -26.80           -26.80
MEMBER1783 0179 MD9                      L    12.0
MEMBER OFFSETS                            -26.80           -26.80
MEMBER1784 0038 MD9                      L    12.0
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MEMBER1905 715  MD9                      L    15.0
MEMBER OFFSETS                            -26.80           -26.80
MEMBER1906 908  MD9                      L    15.0
MEMBER OFFSETS                            -26.80           -26.80
MEMBER1908 0152 MD9                      L    15.0
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MEMBER1958 906  MD9                      L    15.0
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MEMBER100100160 MD9                      L    16.02.00
MEMBER OFFSETS                            -26.80           -26.80
MEMBER10038703  MD9                      L    12.0
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MEMBER10145776  MD9                      L    12.0
MEMBER OFFSETS                            -26.80           -26.80
MEMBER10148905  MD9                      L    15.0
MEMBER OFFSETS                            -26.80           -26.80
MEMBER10152703  MD9                      L    15.0
MEMBER OFFSETS                            -26.80           -26.80
MEMBER10154777  MD9                      L    12.012.0
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MEMBER OFFSETS                            -26.80           -26.80
MEMBER10168792  MD9                      L    16.0
MEMBER OFFSETS                            -26.80           -26.80
MEMBER10174754  MD9                      L    14.04.25
MEMBER OFFSETS                            -26.80           -26.80
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MEMBER10199792  MD9                      L    16.03.50
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MEMBER108110174 MD9                      L    14.07.75
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MEMBER108140010 MD9                      L    16.02.00
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MEMBER1777 0025 MDP                      L    16.9
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MEMBER1777 0061 MDP                      L    19.2
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MEMBER100250033 MDP                      L    16.9
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MEMBER100330035 MDP                      L    16.9
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MEMBER10035757  MDP                      L    16.9
MEMBER OFFSETS                            -24.65           -24.65
MEMBER100610085 MDP                      L    19.2
MEMBER OFFSETS                            -6.950           -6.950
MEMBER100850087 MDP                      L    19.2
MEMBER OFFSETS                            -24.65           -24.65
MEMBER100870088 MDP                      L    19.2
MEMBER OFFSETS                            -24.65           -24.65
MEMBER10088814  MDP                      L    19.2
MEMBER OFFSETS                            -24.65           -24.65
MEMBER105140678 MN                       L
MEMBER OFFSETS                            -6.100           -6.100
MEMBER105160679 MN                       L
MEMBER OFFSETS                            -6.100           -6.100
MEMBER106760677 MN                       L
MEMBER OFFSETS                            -6.100           -6.100
MEMBER106770514 MN                       L
MEMBER OFFSETS                            -6.100           -6.100
MEMBER106780516 MN                       L
MEMBER OFFSETS                            -6.100           -6.100
MEMBER105140101 MN1                      L
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MEMBER OFFSETS                          -3.312          -3.312
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MEMBER 05160302 MN1                    L
MEMBER 06760688 MN1                    L
MEMBER106761110 MN1                    L
MEMBER OFFSETS                                          -17.70
MEMBER106761111 MN1                    L
MEMBER OFFSETS                                          -17.70
MEMBER106770673 MN1                    L
MEMBER OFFSETS                          -3.312          -3.312
MEMBER106770681 MN1                    L
MEMBER OFFSETS                                          -17.70
MEMBER106770685 MN1                    L
MEMBER OFFSETS                                          -17.70
MEMBER106780674 MN1                    L
MEMBER OFFSETS                                          -17.70
MEMBER106780682 MN1                    L
MEMBER OFFSETS                                          -17.70
MEMBER106780686 MN1                    L
MEMBER OFFSETS                                          -17.70
MEMBER 06790675 MN1                    L
MEMBER106790683 MN1                    L
MEMBER OFFSETS                                          -17.70
MEMBER106790687 MN1                    L
MEMBER OFFSETS                                          -17.70
MEMBER106890514 MN1                    L
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MEMBER OFFSETS                          -17.70
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MEMBER102871750 NST                    L
MEMBER OFFSETS                      -7.00020.000        -50.00
MEMBER105451732 NST                    L
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MEMBER105461741 NST                    L
MEMBER OFFSETS                      -7.00020.000        -50.00
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MEMBER10528858  OST                    L
MEMBER OFFSETS                                          -35.90
MEMBER10543807  OST                    L
MEMBER OFFSETS                                          -35.90
MEMBER10544868  OST                    L
MEMBER OFFSETS                                          -35.90
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MEMBER 103 116  P2A                    L    46.0
MEMBER 105 111  P2A                    L    58.0
MEMBER 109 110  P2A                    L    58.0
MEMBER 110 103  P2A                    L    58.0
MEMBER 111 112  P2A                    L    58.0
MEMBER 112 107  P2A                    L    58.0
MEMBER 118 107  P2A                    L    46.0
MEMBER 118 125  P2A                    L    46.0
MEMBER 125 126  P2A                    L    46.0
MEMBER 126 116  P2A                    L    46.0
MEMBER 101 120  P2B                    L    46.0
MEMBER 120 121  P2B                    L    46.0
MEMBER 121 105  P2B                    L    46.0
MEMBER 114 129  P2C                    L    18.2
MEMBER 115 127  P2C                    L
MEMBER 120 119  P2C
MEMBER 121 122  P2C
MEMBER 127 128  P2C                    L
MEMBER 128 118  P2C                    L
MEMBER 129 130  P2C                    L    18.2
MEMBER 130 116  P2C                    L    18.2
MEMBER 109 119  P2D
MEMBER 114 103  P2D
MEMBER 115 107  P2D
MEMBER 122 111  P2D                         1.00
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MEMBER 105 122  P2E                    L    45.9
MEMBER 119 113  P2E                    L    45.9
MEMBER 122 113  P2E                    L    45.9
MEMBER 123 133  P2F                    L    18.2
MEMBER 124 131  P2F                    L    18.2
MEMBER 127 133  P2F                    L    18.0
MEMBER 128 134  P2F                    L    18.0
MEMBER 131 129  P2F                    L    18.0
MEMBER 131 132  P2F                    L    18.2
MEMBER 132 126  P2F                    L    18.2
MEMBER 132 130  P2F                    L    18.0
MEMBER 133 131  P2F                    L    18.0
MEMBER 133 134  P2F                    L    18.2
MEMBER 134 125  P2F                    L    18.2
MEMBER 134 132  P2F                    L    18.0
MEMBER 112 115  P2Y                    L    46.0
MEMBER 113 124  P2Y                    L    46.0
MEMBER 114 110  P2Y                    L    46.0
MEMBER 115 123  P2Y                    L    46.0
MEMBER 123 113  P2Y                    L    46.0
MEMBER 124 114  P2Y                    L    46.0
MEMBER 201 3333 P3A                    L    55.237.0
MEMBER 205 209  P3A                    L    55.2
MEMBER 209 207  P3A                    L    55.2
MEMBER 210 203  P3A                    L    55.2
MEMBER 245 246  P3A                    L    55.237.0
MEMBER 246 247  P3A                    L    55.237.0
MEMBER 247 210  P3A                    L    55.237.0
MEMBER 3333245  P3A                    L    55.237.0
MEMBER 216 214  P3B
MEMBER 216 215  P3B
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MEMBER 232 233  P3B                     L    18.0
MEMBER 233 234  P3B                     L    18.0
MEMBER 235 236  P3B                     L    18.0
MEMBER 236 237  P3B                     L    18.0
MEMBER 237 238  P3B                     L    18.0
MEMBER 221 233  P3C                     L    18.2
MEMBER 222 234  P3C                     L    18.2
MEMBER 223 231  P3C                     L    18.2
MEMBER 224 232  P3C                     L    18.2
MEMBER 229 235  P3C                     L    18.2
MEMBER 230 238  P3C                     L    18.2
MEMBER 231 229  P3C                     L    18.2
MEMBER 232 236  P3C                     L    18.2
MEMBER 233 237  P3C                     L    18.2
MEMBER 234 230  P3C                     L    18.2
MEMBER 235 220  P3C                     L    18.2
MEMBER 236 219  P3C                     L    18.2
MEMBER 237 218  P3C                     L    18.2
MEMBER 238 217  P3C                     L    18.2
MEMBER 203 217  P3D                     L    40.5
MEMBER 212 220  P3D                     L    40.5
MEMBER 213 219  P3D                     L    40.5
MEMBER 217 225  P3D                     L    40.5
MEMBER 218 213  P3D                     L    40.5
MEMBER 219 212  P3D                     L    40.5
MEMBER 220 207  P3D                     L    40.5
MEMBER 225 218  P3D                     L    40.5
MEMBER 201 215  P3E                     L    42.1
MEMBER 205 214  P3E                     L    42.1
MEMBER 209 223  P3E                     L    40.5
MEMBER 211 221  P3E                     L    40.5
MEMBER 214 211  P3E                     L    42.1
MEMBER 215 211  P3E                     L    42.1
MEMBER 221 222  P3E                     L    40.5
MEMBER 222 210  P3E                     L    40.5
MEMBER 223 224  P3E                     L    40.5
MEMBER 224 211  P3E                     L    40.5
MEMBER 258 259  P3F                     L    26.4
MEMBER 258 260  P3F                     L    26.4
MEMBER 259 266  P3F                     L    26.4
MEMBER 260 261  P3F                     L    26.4
MEMBER 261 267  P3F                     L    26.4
MEMBER 266 214  P3F                     L    26.4
MEMBER 267 215  P3F                     L    26.4
MEMBER 203 230  P3G
MEMBER 207 229  P3G
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MEMBER 262 259  P3G   001011000000
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MEMBER 265 261  P3G   001011000000
MEMBER 265 267  P3G   001011000000
MEMBER 262 263  P3H
MEMBER 264 265  P3H
MEMBER 205 239  P3X                     L    40.520.2
MEMBER 239 0005 P3X                     L    40.520.2
MEMBER 240 241  P3X                     L    40.520.2
MEMBER 241 0054 P3X                     L    40.520.2
MEMBER 243 216  P3X                     L    40.520.2
MEMBER 243 244  P3X                     L    40.520.2
MEMBER 244 201  P3X                     L    40.520.2
MEMBER 00050016 P3X                     L    40.520.2
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MEMBER 301 310  P4A                     L    47.2
MEMBER 301 346  P4A                     L    27.210.1
MEMBER 303 3314 P4A                     L    27.2
MEMBER 309 305  P4A                     L    47.2
MEMBER 310 3331 P4A                     L    47.224.2
MEMBER 311 3101 P4A                     L    47.224.2
MEMBER 318 317  P4A                     L    27.2
MEMBER 319 318  P4A                     L    27.2
MEMBER 320 319  P4A                     L    27.2
MEMBER 320 3315 P4A                     L    27.2
MEMBER 335 336  P4A                     L    47.224.2
MEMBER 341 305  P4A                     L    27.210.1
MEMBER 342 316  P4A                     L    27.210.1
MEMBER 342 0013 P4A                     L    27.210.1
MEMBER 343 316  P4A                     L    27.211.0
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MEMBER 0001341  P4A                     L    27.210.1
MEMBER 00130001 P4A                     L    27.210.1
MEMBER 0039343  P4A                     L    27.211.0
MEMBER 3100309  P4A                     L    47.224.2
MEMBER 31013100 P4A                     L    47.224.2
MEMBER 3314317  P4A                     L    27.2
MEMBER 3315307  P4A                     L    27.2
MEMBER 3331335  P4A                     L    47.224.2
MEMBER 307 311  P4B                     L    47.2
MEMBER 312 303  P4B                     L    47.2
MEMBER 336 340  P4B                     L    47.224.2
MEMBER 340 312  P4B                     L    47.224.2
MEMBER 303 3319 P4C                     L    11.3
MEMBER 307 3317 P4C                     L    11.3
MEMBER 309 363  P4C                     L    12.9
MEMBER 309 3312 P4C                     L    28.8
MEMBER 310 370  P4C                     L    12.9
MEMBER 310 3313 P4C                     L    28.8
MEMBER 311 3316 P4C                     L    11.1
MEMBER 312 3318 P4C                     L    11.1
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MEMBER 358 354  P4C                    L    3.00
MEMBER 359 355  P4C                    L    3.00
MEMBER 363 316  P4C                    L    12.9
MEMBER 364 358  P4C                    L    2.88
MEMBER 364 365  P4C                    L    9.82
MEMBER 365 313  P4C                    L    9.82
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MEMBER 369 366  P4C                    L    9.82
MEMBER 370 315  P4C                    L    12.9
MEMBER 3312314  P4C                    L    28.8
MEMBER 3313314  P4C                    L    28.8
MEMBER 3316333  P4C                    L    11.1
MEMBER 3317333  P4C                    L    11.3
MEMBER 3318334  P4C                    L    11.1
MEMBER 3319334  P4C                    L    11.3
MEMBER 311 3310 P4D                    L    31.2
MEMBER 314 321  P4D                    L    31.2
MEMBER 321 322  P4D                    L    31.2
MEMBER 321 329  P4D                    L    18.2
MEMBER 322 331  P4D                    L    18.2
MEMBER 322 3311 P4D                    L    31.2
MEMBER 323 324  P4D                    L    31.2
MEMBER 323 325  P4D                    L    18.2
MEMBER 324 314  P4D                    L    31.2
MEMBER 324 327  P4D                    L    18.2
MEMBER 325 327  P4D                    L    6.00
MEMBER 325 333  P4D                    L    18.2
MEMBER 326 320  P4D                    L    18.2
MEMBER 326 328  P4D                    L    6.00
MEMBER 327 328  P4D                    L    18.2
MEMBER 327 329  P4D                    L    6.00
MEMBER 328 319  P4D                    L    18.2
MEMBER 328 330  P4D                    L    6.00
MEMBER 329 330  P4D                    L    18.2
MEMBER 329 331  P4D                    L    6.00
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MEMBER 330 332  P4D                    L    6.00
MEMBER 331 334  P4D                    L    18.2
MEMBER 332 317  P4D                    L    18.2
MEMBER 333 326  P4D                    L    18.2
MEMBER 334 332  P4D                    L    18.2
MEMBER 3310323  P4D                    L    31.2
MEMBER 3311312  P4D                    L    31.2
MEMBER 309 3300 P4E                    L    31.2
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MEMBER 313 355  P4E                    L    31.2
MEMBER 353 354  P4E                    L    31.2
MEMBER 354 313  P4E                    L    31.2
MEMBER 355 356  P4E                    L    31.2
MEMBER 357 353  P4E                    L    6.73
MEMBER 357 358  P4E                    L    5.21
MEMBER 358 365  P4E                    L    5.21
MEMBER 359 360  P4E                    L    5.21
MEMBER 360 356  P4E                    L    6.73
MEMBER 363 357  P4E                    L    6.73
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MEMBER 33219506 P4G                    L    6.00
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MEMBER 35639504 P4G                    L    6.00
MEMBER 35649503 P4G                    L    6.00
MEMBER 35669503 P4G                    L    6.00
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MEMBER 95069918 P4Z
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MEMBER OFFSETS                                                -54.00
MEMBER 9000777  PDC                          L
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MEMBER 108 208  PL1
MEMBER 202 302  PL2
MEMBER 204 304  PL2
MEMBER 206 306  PL2
MEMBER 208 308  PL2
MEMBER 102 202  PL3
MEMBER 106 206  PL3
MEMBER 302 6001 PL4
MEMBER 304 6002 PL4
MEMBER 306 6003 PL4
MEMBER 308 6004 PL4
MEMBER 6001401  PL4
MEMBER 6002403  PL4
MEMBER 6003405  PL4
MEMBER 6004407  PL4
MEMBER 248 175  R04SK
MEMBER 347 248  R04SK
MEMBER 410 347  R04SK
MEMBER 00140015 R10SK
MEMBER 00150017 R10SK
MEMBER 00170028 R10SK
MEMBER 00150013 RA1   000111000000
MEMBER 00170016 RA1   001111000000
MEMBER 248 239  RA2   001111000000
MEMBER 347 341  RA2   000111000000
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MEMBER 02710275 RG1
MEMBER 02710277 RG1
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MEMBER 02720278 RG1
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MEMBER 02740606 RG1
MEMBER 02770612 RG1
MEMBER 02780610 RG1
MEMBER 05810236 RG1
MEMBER 05820621 RG1
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MEMBER 06060641 RG1
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MEMBER 06390640 RG2
MEMBER 06390711 RG2
MEMBER 06400615 RG2
MEMBER 06400712 RG2
MEMBER 06410637 RG2
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MEMBER 06710652 RG2
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MEMBER 02750598 RG3
MEMBER 02760604 RG3
MEMBER 0598301  RG3
MEMBER 0604305  RG3
MEMBER 06040633 RG3
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MEMBER 06330634 RG3
MEMBER 06340635 RG3
MEMBER 06350636 RG3
MEMBER 06360598 RG3
MEMBER 06930633 RG4
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MEMBER 07110635 RG4
MEMBER 07120636 RG4
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MEMBER 256 339  RO1SK
MEMBER 176 254  RO2SK
MEMBER 177 255  RO2SK
MEMBER 250 173  RO2
MEMBER 254 337  RO2SK
MEMBER 255 338  RO2SK
MEMBER 349 250  RO2
MEMBER 412 349  RO2
MEMBER 33343332 RO2SK
MEMBER 33353334 RO2SK
MEMBER 249 174  RO6
MEMBER 348 249  RO6
MEMBER 411 348  RO6
MEMBER 00020006 RO7SK
MEMBER 00040002 RO7SK
MEMBER 00060008 RO7SK
MEMBER 252 170  ROC
MEMBER 253 172  ROC
MEMBER 351 252  ROC
MEMBER 352 253  ROC
MEMBER 414 351  ROC
MEMBER 415 352  ROC
MEMBER 00500055 ROC
MEMBER 00510050 ROC
MEMBER 00550056 ROC
MEMBER 256 247  RS1   000110000000
MEMBER 339 340  RS1   000110000000
MEMBER 250 241  RS2   001111000000
MEMBER 254 245  RS2   000110000000
MEMBER 255 246  RS2   000110000000
MEMBER 337 335  RS2   000110000000
MEMBER 338 336  RS2   000110000000
MEMBER 349 343  RS2   000111000000
MEMBER 33323331 RS2   000110000000
MEMBER 33343333 RS2   000110000000
MEMBER 249 240  RS3   001111000000
MEMBER 252 243  RS3   001111000000
MEMBER 253 244  RS3   001111
MEMBER 348 342  RS3   000111000000
MEMBER 351 345  RS3   000111000000
MEMBER 352 346  RS3   000110000000
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MEMBER 00550054 RS3   001111000000
MEMBER 00020001 RS4   000111000000
MEMBER 00060005 RS4   001111000000
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MEMBER110745010 SC1                    L
MEMBER OFFSETS                  8.004          0.667
MEMBER111525053 SC1                    L
MEMBER OFFSETS                  6.504
MEMBER 16385043 SC1                    L
MEMBER116705048 SC1                    L
MEMBER OFFSETS                  8.004          0.667
MEMBER117425020 SC1                    L
MEMBER OFFSETS                  6.504
MEMBER117425053 SC1                    L
MEMBER OFFSETS                  6.504
MEMBER117575021 SC1                    L
MEMBER OFFSETS                  6.504
MEMBER117575053 SC1                    L
MEMBER OFFSETS                  6.504
MEMBER 50241001 SC1                    L
MEMBER 50271009 SC1                    L
MEMBER 50281013 SC1                    L
MEMBER100970098 SCE                    L
MEMBER OFFSETS                                                -17.70
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MEMBER 04481708 SCE                          L
MEMBER 04571026 SCE                          L
MEMBER 04591118 SCE                          L
MEMBER105120631 SCE                          L
MEMBER OFFSETS                                                    -17.70
MEMBER105180780 SCE                          L
MEMBER OFFSETS                                                    -17.70
MEMBER105480739 SCE                          L
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MEMBER105550990 SCE                          L
MEMBER OFFSETS                                                    -17.70
MEMBER105560725 SCE                          L
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MEMBER OFFSETS                                                    -53.60
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MEMBER 09911022 SCE                          L
MEMBER150890586 SCE                          L
MEMBER OFFSETS                                                    -17.70
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MEMBER103741873 SD1                          L    15.09.67
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MEMBER103751872 SD1                          L    15.09.67
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MEMBER103790386 SD1                          L    15.013.6
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MEMBER103800390 SD1                          L    15.013.6
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MEMBER103825045 SD1                          L    15.015.0
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MEMBER103840379 SD1                          L    15.013.6
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MEMBER103940396 SD1                          L    15.02.08
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MEMBER103950397 SD1                          L    15.02.08
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MEMBER104010837 SD1                          L    15.010.9
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MEMBER104055017 SD1                          L    15.015.0
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MEMBER104080410 SD1                          L    15.015.0
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MEMBER OFFSETS                                -6.100              -6.100
MEMBER104105009 SD1                          L    15.03.25
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MEMBER104145006 SD1                          L    15.01.66
MEMBER OFFSETS                                -6.100          -6.100
MEMBER104150407 SD1                          L    15.04.16
MEMBER OFFSETS                                -6.100          -6.100
MEMBER104160406 SD1                          L    15.04.16
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MEMBER107775005 SD1                          L    15.06.00
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MEMBER108370412 SD1                          L    15.010.9
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MEMBER108380409 SD1                          L    15.010.9
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MEMBER118731874 SD1                          L    15.03.00
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MEMBER118745053 SD1                          L    15.02.32
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MEMBER150005023 SD1                          L    15.04.50
MEMBER OFFSETS                                -6.100          -6.100
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MEMBER150025003 SD1                          L    61.0
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MEMBER150025060 SD1                          L    15.05.00
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MEMBER150035004 SD1                          L    61.0
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MEMBER150045008 SD1                          L    61.0
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MEMBER150080380 SD1                          L    15.013.6
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MEMBER150105012 SD1                          L    61.0
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MEMBER150120383 SD1                          L    15.015.0
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MEMBER150125014 SD1                          L    61.0
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MEMBER150140377 SD1                          L    15.015.0
MEMBER OFFSETS                                -6.100          -6.100
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MEMBER150165018 SD1                          L    61.0
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MEMBER150180375 SD1                          L    15.09.67
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MEMBER OFFSETS                                -6.100          -6.100
MEMBER150245025 SD1                          L    15.04.00
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MEMBER150265027 SD1                          L    15.04.00
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MEMBER150445063 SD1                          L    15.02.00
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MEMBER150480392 SD1                          L    15.01.00
MEMBER OFFSETS                                -6.100          -6.100
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MEMBER150500404 SD1                          L    15.015.0
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MEMBER150530415 SD1                          L    15.03.66
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MEMBER150605061 SD1                          L    15.04.00
MEMBER OFFSETS                                -6.100          -6.100
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MEMBER150640402 SD1                          L    15.03.00
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MEMBER OFFSETS                                -5.050           -5.050
MEMBER103990398 SD2                          L
MEMBER OFFSETS                                -5.050           -5.050
MEMBER104060407 SD2                          L
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MEMBER104090408 SD2                          L
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MEMBER OFFSETS                                -5.050           -5.050
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MEMBER OFFSETS                                -5.050           -5.050
MEMBER104160415 SD2                          L
MEMBER OFFSETS                                -5.050           -5.050
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MEMBER108365039 SD2                          L    12.06.00
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MEMBER OFFSETS                                -5.050           -5.050
MEMBER150235060 SD2                          L
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MEMBER150245055 SD2                          L    12.06.00
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MEMBER150245061 SD2                          L
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MEMBER150250835 SD2                          L    12.06.00
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MEMBER150255062 SD2                          L
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MEMBER150265041 SD2                          L    12.09.00
MEMBER OFFSETS                                -5.050           -5.050
MEMBER150265063 SD2                          L
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MEMBER150275022 SD2                          L    12.09.00
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MEMBER150550836 SD2                          L    12.06.00
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MEMBER150495050 SD3                          L    61.0
MEMBER OFFSETS                                -6.100           -6.100
MEMBER150505051 SD3                          L    61.0
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MEMBER OFFSETS                          -3.000          -3.000
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MEMBER OFFSETS                          -3.000          -3.000
MEMBER103780377 SD4                    L
MEMBER OFFSETS                          -3.000          -3.000
MEMBER103800379 SD4                    L
MEMBER OFFSETS                          -3.000          -3.000
MEMBER103810380 SD4                    L
MEMBER OFFSETS                          -3.000          -3.000
MEMBER103820381 SD4                    L
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MEMBER OFFSETS                          -3.000          -3.000
MEMBER103880383 SD4                    L       3.25
MEMBER OFFSETS                          -3.000          -3.000
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MEMBER107770837 SD4                    L
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MEMBER150425041 SD4          180.00    L       4.00
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MEMBER OFFSETS                          -3.015          -3.015
MEMBER103960397 SD5                    L
MEMBER OFFSETS                          -3.015          -3.015
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MEMBER 40014052 SH1SK
MEMBER 40484002 SH1SK
MEMBER 40494048 SH1SK
MEMBER 40504051 SH1SK
MEMBER 40514049 SH1SK
MEMBER 40514052 SH1
MEMBER 40524000 SH1SK
MEMBER 40015055 SH2
MEMBER 40505054 SH2
MEMBER 50604048 SH2
MEMBER 50614002 SH2
MEMBER1736 0311 SST                    L    18.7
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MEMBER1867 0521 SST                    L    2.77
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MEMBER OFFSETS                                              -17.70
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MEMBER 80231085 TUB                          L
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MEMBER1105 106  W.BSK 000000100111            FL    22.3
MEMBER OFFSETS                      0.740-0.740 5.910
MEMBER1107 108  W.BSK 000000100111            F
MEMBER OFFSETS                    -0.740 5.950
MEMBER1201 202  W.BSK 000000100111            F
MEMBER OFFSETS                      0.740 0.740 5.910
MEMBER1203 204  W.BSK 000000100111            F
MEMBER OFFSETS                     0.740 5.950
MEMBER1205 206  W.BSK 000000100111            FL    22.3
MEMBER OFFSETS                      0.740-0.740 5.910
MEMBER1207 208  W.BSK 000000100111            FL    37.2
MEMBER OFFSETS                    -0.740 5.950
MEMBER1301 302  W.BSK 000000100111            F
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MEMBER1303 304  W.BSK 000000100111            FL    27.237.2
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JOINT 104       0.   -23.   -49.                          PILEHD
JOINT 105     -58.    23.   -49.                          222000
JOINT 106     -58.    23.   -49.                          PILEHD
JOINT 107       0.    23.   -49.                          222000
JOINT 108       0.    23.   -49.                          PILEHD
JOINT 109     -37.   -23.   -49.
JOINT 110     -18.   -23.   -49. -3.000
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JOINT 112     -18.    23.   -49. -3.000
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JOINT 118       0.     9.   -49.
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JOINT 126       0.    -3.   -49.
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JOINT 230      -9.    -9.   -27. -3.000
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JOINT 325    -12.     9.    10. -3.000
JOINT 326     -6.     9.    10. -3.000
JOINT 327    -12.     3.    10. -3.000
JOINT 328     -6.     3.    10. -3.000
JOINT 329    -12.    -3.    10. -3.000
JOINT 330     -6.    -3.    10. -3.000
JOINT 331    -12.    -9.    10. -3.000
JOINT 332     -6.    -9.    10. -3.000
JOINT 333     -9.     9.    10. -3.000
JOINT 334     -9.    -9.    10. -3.000
JOINT 335    -31.   -15.    10. -1.500 -7.500
JOINT 336    -27.   -15.    10. -1.500 -7.500
JOINT 337    -31.   -18.    10. -1.500-10.500
JOINT 338    -27.   -18.    10. -1.500-10.500
JOINT 339    -22.   -18.    10. -1.500-10.500
JOINT 340    -22.   -15.    10. -1.500 -7.500
JOINT 341    -50.    14.    10. -7.500  1.500
JOINT 342    -50.     8.    10. -7.500  7.500
JOINT 343    -50.     4.    10. -7.500  7.500
JOINT 345    -50.    -2.    10. -7.500 -7.500
JOINT 346    -50.   -11.    10. -7.500-10.500
JOINT 347    -53.    14.    10.-10.500  1.500
JOINT 348    -53.     8.    10.-10.500  7.500
JOINT 349    -53.     4.    10.-10.500  7.500
JOINT 351    -53.    -2.    10.-10.500 -7.500
JOINT 352    -53.   -11.    10.-10.500-10.500
JOINT 353    -42.     7.    10. -6.000  3.000
JOINT 354    -42.     4.    10. -6.000
JOINT 355    -42.    -4.    10. -6.000
JOINT 356    -42.    -7.    10. -6.000 -3.000
JOINT 357    -45.     7.    10. -6.000  3.000
JOINT 358    -45.     4.    10. -6.000
JOINT 359    -45.    -4.    10. -6.000
JOINT 360    -45.    -7.    10. -6.000 -3.000
JOINT 363    -49.     7.    10. -2.820  3.000
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JOINT 364     -48.     4.    10. -4.644
JOINT 365     -45.     2.    10. -6.000  0.456
JOINT 366     -45.    -2.    10. -6.000 -0.468
JOINT 369     -48.    -4.    10. -4.644
JOINT 370     -49.    -7.    10. -2.820 -3.000
JOINT 377       6.     6.    10.  7.980
JOINT 378       6.     0.    10.  7.980
JOINT 379       6.    -6.    10.  7.980
JOINT 382      -3.     6.    10. -3.000
JOINT 384      -3.     0.    10. -3.000
JOINT 386      -3.    -6.    10. -3.000
JOINT 388      -9.     6.    10. -3.000
JOINT 390      -9.     0.    10. -3.000
JOINT 392      -9.    -6.    10. -3.000
JOINT 394     -15.     6.    10. -3.000
JOINT 396     -15.     0.    10. -3.000
JOINT 398     -15.    -6.    10. -3.000
JOINT 401     -50.   -15.    15.
JOINT 403       0.   -15.    15.
JOINT 405     -50.    15.    15.
JOINT 407       0.    15.    15.
JOINT 410     -53.    14.    15. -3.000  1.500
JOINT 411     -53.     8.    15. -3.000  7.500
JOINT 412     -53.     4.    15. -3.000  7.500
JOINT 414     -53.    -2.    15. -3.000 -7.500
JOINT 415     -53.   -11.    15.-10.500-10.500
JOINT 501     -50.   -15.    22.                6.000
JOINT 509     -50.    15.    22.                6.000
JOINT 510       0.   -15.    22.                6.000
JOINT 511       0.    15.    22.                6.000
JOINT 512       0.    15.    19.                3.000
JOINT 513       0.   -15.    19.                3.000
JOINT 550     -51.    16.     3. -5.256  5.256  6.000
JOINT 551       0.    16.     3.         5.256  6.000
JOINT 552       0.    16.     6.         1.128  3.000
JOINT 553     -51.    16.     6. -1.128  0.900  3.000
JOINT 554     -52.    17.    -8.-11.256 11.256 -6.000
JOINT 555       0.    17.    -8.        11.256 -6.000
JOINT 556     -48.    20.     6. -6.000  2.808  3.000
JOINT 557      -2.    20.     6. -6.000  2.808  3.000
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JOINT 701     -50.   -15.    58.                6.000
JOINT 702     -55.    13.    58.         6.000  6.000
JOINT 703       0.   -15.    58.                6.000
JOINT 704     -55.    10.    58.                6.000
JOINT 705     -50.    15.    58.                6.000
JOINT 706     -51.    10.    58. -1.980         6.000
JOINT 707       0.    15.    58.                6.000
JOINT 708     -55.     6.    58.                6.000
JOINT 709     -72.    15.    58. -7.200         6.000
JOINT 710     -77.   -21.    58.        -2.328  6.000
JOINT 711     -72.     0.    58. -7.200         6.000 222000
JOINT 712     -72.   -15.    58. -7.200         6.000
JOINT 713     -85.   -15.    58.                6.000
JOINT 714     -51.     6.    58. -1.980         6.000
JOINT 715       0.     3.    58.                6.000
JOINT 716     -18.    15.    58. -3.000         6.000
JOINT 717     -55.     2.    58.         6.000  6.000
JOINT 718     -51.     2.    58. -1.980  6.000  6.000
JOINT 719     -18.   -15.    58. -3.000         6.000
JOINT 720     -53.    10.    58.                6.000
JOINT 721     -12.    15.    58. -3.000         6.000
JOINT 722     -53.     6.    58.                6.000
JOINT 723     -50.    12.    58.         2.484  6.000
JOINT 724     -50.    -9.    58.        -7.500  6.000
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JOINT 726     -60.    15.    58. -6.000         6.000
JOINT 727     -53.     2.    58.         6.000  6.000
JOINT 728     -51.    15.    58. -1.980         6.000
JOINT 729     -53.    13.    58.         6.000  6.000
JOINT 730       3.   -15.    58.  3.960         6.000
JOINT 731       6.   -15.    58.  7.980         6.000
JOINT 732     -47.    29.    58.         9.960  6.000
JOINT 733     -44.    29.    58.         9.960  6.000
JOINT 734     -41.    29.    58.         9.960  6.000
JOINT 735     -38.    29.    58.         9.960  6.000
JOINT 736     -35.    29.    58.         9.960  6.000
JOINT 737     -32.    29.    58.         9.960  6.000
JOINT 738     -29.    29.    58.         9.960  6.000
JOINT 739     -26.    29.    58.         9.960  6.000
JOINT 740     -65.    29.    58.         9.960  6.000
JOINT 741     -50.    29.    58.         9.960  6.000
JOINT 742       0.    29.    58.         9.960  6.000
JOINT 743      10.    29.    58.         9.960  6.000
JOINT 744     -68.   -27.    58.                6.000
JOINT 745     -50.   -29.    58.        -9.960  6.000
JOINT 746       0.   -29.    58.        -9.960  6.000
JOINT 747      10.   -29.    58.        -9.960  6.000
JOINT 748     -62.    29.    58.         9.960  6.000
JOINT 749     -59.    29.    58.         9.960  6.000
JOINT 750     -56.    29.    58.         9.960  6.000
JOINT 751     -53.    29.    58.         9.960  6.000
JOINT 752     -62.    27.    58.                6.000
JOINT 753     -59.    27.    58.                6.000
JOINT 754     -50.    -1.    58.                6.000
JOINT 755     -56.    27.    58.                6.000
JOINT 756     -53.    27.    58.                6.000
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JOINT 758     -59.    15.    58.                6.000
JOINT 759     -56.    15.    58.                6.000
JOINT 760     -53.    15.    58.                6.000
JOINT 761     -71.   -23.    58.        -6.000  6.000
JOINT 762     -73.   -24.    58. -3.000 -1.164  6.000
JOINT 763     -56.   -29.    58.        -9.960  6.000
JOINT 764     -53.   -29.    58.        -9.960  6.000
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JOINT 766	-59.	-27.	58.			6.000
JOINT 767	-56.	-27.	58.			6.000
JOINT 768	-53.	-27.	58.			6.000
JOINT 769	-62.	-15.	58.			6.000
JOINT 770	-59.	-15.	58.			6.000
JOINT 771	-12.	-15.	58.	-3.000		6.000
JOINT 772	-56.	-15.	58.			6.000
JOINT 773	-53.	-15.	58.			6.000
JOINT 774	10.	-15.	58.			6.000
JOINT 775	10.	15.	58.			6.000
JOINT 776	0.	27.	58.			6.000
JOINT 777	-50.	27.	58.			6.000
JOINT 778	-65.	15.	58.			6.000
JOINT 779	3.	29.	58.	3.960	9.960	6.000
JOINT 780	6.	29.	58.	8.004	9.960	6.000
JOINT 781	3.	27.	58.	3.960		6.000
JOINT 782	-65.	-15.	58.			6.000
JOINT 783	-50.	-27.	58.			6.000
JOINT 784	0.	-27.	58.			6.000
JOINT 785	-65.	27.	58.			6.000
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JOINT 787	-65.	-27.	58.			6.000
JOINT 788	10.	-27.	58.			6.000
JOINT 789	3.	15.	58.	3.960		6.000
JOINT 790	6.	27.	58.	8.004		6.000
JOINT 791	-56.	2.	58.		6.000	6.000
JOINT 792	-50.	2.	58.		6.000	6.000
JOINT 793	-71.	-25.	58.		-10.068	6.000
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JOINT 799	6.	-29.	58.	8.004	-9.960	6.000
JOINT 800	-23.	29.	58.		9.960	6.000
JOINT 801	-47.	27.	58.			6.000
JOINT 802	-44.	27.	58.			6.000
JOINT 803	-41.	27.	58.			6.000
JOINT 804	-38.	27.	58.			6.000
JOINT 805	-35.	27.	58.			6.000
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JOINT 807	-29.	27.	58.			6.000
JOINT 808	-26.	27.	58.			6.000
JOINT 809	-23.	27.	58.			6.000
JOINT 811	-44.	15.	58.			6.000
JOINT 812	-41.	15.	58.			6.000
JOINT 813	-38.	15.	58.			6.000
JOINT 814	-35.	15.	58.			6.000
JOINT 815	-32.	15.	58.			6.000
JOINT 816	-29.	15.	58.			6.000
JOINT 817	-26.	15.	58.			6.000
JOINT 818	-23.	15.	58.			6.000
JOINT 820	-44.	-15.	58.			6.000
JOINT 821	-41.	-15.	58.			6.000
JOINT 822	-38.	-15.	58.			6.000
JOINT 823	-35.	-15.	58.			6.000
JOINT 824	-32.	-15.	58.			6.000
JOINT 825	-29.	-15.	58.			6.000
JOINT 826	-26.	-15.	58.			6.000
JOINT 827	-23.	-15.	58.			6.000
JOINT 828	-47.	-27.	58.			6.000
JOINT 829	-44.	-27.	58.			6.000
JOINT 830	-41.	-27.	58.			6.000
JOINT 831	-38.	-27.	58.			6.000
JOINT 832	-35.	-27.	58.			6.000
JOINT 834	-32.	-27.	58.			6.000
JOINT 835	-29.	-27.	58.			6.000
JOINT 836	-26.	-27.	58.			6.000
JOINT 838	-23.	-27.	58.			6.000
JOINT 839	-47.	-29.	58.		-9.960	6.000
JOINT 840	-44.	-29.	58.		-9.960	6.000
JOINT 842	-38.	-30.	58.		-8.976	6.000
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JOINT 846	-29.	-30.	58.		-8.976	6.000
JOINT 848	-26.	-30.	58.		-8.976	6.000
JOINT 849	-23.	-29.	58.		-9.960	6.000
JOINT 850	-18.	29.	58.	-3.000	9.960	6.000
JOINT 851	-18.	27.	58.	-3.000		6.000
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JOINT 854	-12.	29.	58.	-3.000	9.960	6.000
JOINT 855	-9.	29.	58.	-3.000	9.960	6.000
JOINT 856	-6.	29.	58.	-3.000	9.960	6.000
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JOINT 861	-6.	27.	58.	-3.000		6.000
JOINT 862	-3.	29.	58.	-3.000	9.960	6.000
JOINT 863	-3.	27.	58.	-3.000		6.000
JOINT 864	-15.	15.	58.	-3.000		6.000
JOINT 865	-9.	15.	58.	-3.000		6.000
JOINT 866	-3.	15.	58.	-3.000		6.000
JOINT 867	-20.	29.	58.		9.960	6.000
JOINT 868	-20.	27.	58.			6.000
JOINT 869	-20.	15.	58.			6.000
JOINT 870	-18.	-27.	58.	-3.000		6.000
JOINT 871	-18.	-29.	58.	-3.000	-9.960	6.000
JOINT 872	-15.	-27.	58.	-3.000		6.000
JOINT 873	-12.	-27.	58.	-3.000		6.000
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JOINT 875	-6.	-27.	58.	-3.000		6.000
JOINT 876	-3.	-27.	58.	-3.000		6.000
JOINT 877	-15.	-29.	58.	-3.000	-9.960	6.000
JOINT 878	-12.	-29.	58.	-3.000	-9.960	6.000

JOINT 879	-9.	-29.	58.	-3.000	-9.960	6.000	
JOINT 880	-6.	-29.	58.	-3.000	-9.960	6.000	
JOINT 881	-3.	-29.	58.	-3.000	-9.960	6.000	
JOINT 882	-15.	-15.	58.	-3.000		6.000	
JOINT 883	-9.	-15.	58.	-3.000		6.000	
JOINT 884	-3.	-15.	58.	-3.000		6.000	
JOINT 885	-20.	-29.	58.		-9.960	6.000	
JOINT 886	-20.	-27.	58.			6.000	
JOINT 887	-20.	-15.	58.			6.000	
JOINT 888	-18.	9.	58.	-3.000		6.000	
JOINT 889	-18.	3.	58.	-3.000		6.000	
JOINT 890	-18.	-3.	58.	-3.000		6.000	
JOINT 891	-82.	15.	58.			6.000	
JOINT 892	-59.	-29.	58.		-9.960	6.000	
JOINT 893	-79.	15.	58.	-9.996		6.000	
JOINT 895	-18.	-9.	58.	-3.000		6.000	
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JOINT 897	-12.	3.	58.	-3.000		6.000	
JOINT 898	-12.	-3.	58.	-3.000		6.000	
JOINT 899	-12.	-9.	58.	-3.000		6.000	
JOINT 900	-6.	9.	58.	-3.000		6.000	
JOINT 901	-6.	3.	58.	-3.000		6.000	
JOINT 902	-6.	-3.	58.	-3.000		6.000	
JOINT 904	-6.	-9.	58.	-3.000		6.000	
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JOINT 906	0.	-3.	58.			6.000	
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JOINT 909	-15.	9.	58.	-3.000		6.000	
JOINT 910	-9.	9.	58.	-3.000		6.000	
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JOINT 913	-9.	-9.	58.	-3.000		6.000	
JOINT 914	-3.	-9.	58.	-3.000		6.000	
JOINT 915	3.	9.	58.	3.960		6.000	
JOINT 916	3.	3.	58.	3.960		6.000	
JOINT 917	3.	-3.	58.	3.960		6.000	
JOINT 918	3.	-9.	58.	3.960		6.000	
JOINT 919	10.	9.	58.			6.000	
JOINT 920	10.	3.	58.			6.000	
JOINT 921	10.	-3.	58.			6.000	
JOINT 922	10.	-9.	58.			6.000	
JOINT 923	6.	9.	58.	7.980		6.000	
JOINT 924	6.	-9.	58.	7.980		6.000	
JOINT 925	-73.	-35.	58.	-3.000	-7.248	6.000	
JOINT 927	-73.	15.	58.	-3.000		6.000	
JOINT 928	-79.	-8.	58.	-9.996	-8.232	6.000	
JOINT 929	-85.	15.	58.			6.000	
JOINT 930	-47.	-24.	58.		-9.960	6.000	
JOINT 931	-41.	-24.	58.		-9.960	6.000	
JOINT 932	-73.	-15.	58.	-3.000		6.000	
JOINT 933	-47.	15.	58.			6.000	
JOINT 934	-3.	-17.	58.	-3.000		6.000	
JOINT 935	3.	-17.	58.	3.960		6.000	
JOINT 936	-82.	-11.	58.		-3.312	6.000	
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JOINT 942	-44.	-24.	58.		-9.960	6.000	
JOINT 944	-47.	-15.	58.			6.000	
JOINT 945	-79.	8.	58.	-9.996	8.988	6.000	
JOINT 947	-72.	-27.	58.	-3.000		6.000	
JOINT 948	-65.	0.	58.			6.000	
JOINT 949	-65.	-2.	58.		-6.000	6.000	
JOINT 950	-33.	-15.	58.	-6.000		6.000	
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JOINT 955	-33.	15.	58.	-6.000		6.000	
JOINT 956	-16.	15.	58.	-6.000		6.000	
JOINT 958	0.	0.	58.			6.000	
JOINT 959	-62.	-29.	58.		-9.960	6.000	
JOINT 960	-63.	-29.	58.	-9.000	-9.960	6.000	
JOINT 961	-63.	-27.	58.	-9.000		6.000	
JOINT 963	-81.	11.	58.	-11.052	3.300	6.000	
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JOINT 971	-75.	19.	58.	-6.000	8.040	6.000	
JOINT 977	-73.	19.	58.	-3.000	8.040	6.000	
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JOINT 983	-68.	-23.	58.		-6.000	6.000	
JOINT 984	-72.	-5.	58.	-7.200	-0.504	6.000	
JOINT 985	-72.	-8.	58.	-7.200	-0.504	6.000	
JOINT 0000	-38.	12.	60.	-7.500	4.872	0.744	
JOINT 0001	-50.	12.	10.	-7.500	7.500		
JOINT 0002	-53.	12.	10.	-10.500	7.500		
JOINT 0003	-62.	-6.	38.				
JOINT 0004	-53.	12.	15.	-3.000	7.500		
JOINT 0005	-55.	12.	-27.	-3.000	7.500		
JOINT 0006	-58.	12.	-27.	-6.000	7.500		
JOINT 0007	-62.	-9.	38.				
JOINT 0008	-61.	12.	-49.	-3.000	7.500		110001
JOINT 0009	-15.	26.	38.	-3.000			
JOINT 000A	-38.	6.	60.	-7.500	2.880	0.744	
JOINT 000B	-38.	-2.	60.	-7.500	-5.496	0.744	
JOINT 000F	-47.	5.	60.		4.692	0.744	
JOINT 000C	-38.	-8.	60.	-7.500	-7.500	0.744	
JOINT 000D	-47.	-1.	60.		-7.308	0.744	
JOINT 000E	-41.	-1.	60.		-7.308	0.744	
JOINT 000G	-41.	5.	60.		4.692	0.744	
JOINT 000I	-50.	-8.	60.		-7.500	0.744	
JOINT 000M	-69.	-15.	58.	-6.000		6.000	
JOINT 000N	-69.	15.	58.	-6.000		6.000	
JOINT 000O	-62.	-12.	78.		-10.824	7.056	
JOINT 000Q	-54.	-9.	60.		-7.500	0.744	
JOINT 000W	-54.	13.	60.		9.312	0.744	
JOINT 000Y	-50.	12.	60.		4.872	0.744	
JOINT 0010	-50.	13.	58.		9.312	6.000	
JOINT 0011	-12.	26.	38.	-9.600			

JOINT 0012	-10.	26.	38.	-9.000			
JOINT 0013	-50.	10.	10.	-7.500	7.500		
JOINT 0014	-53.	10.	15.	-3.000	7.500		
JOINT 0015	-53.	10.	10.	-10.500	7.500		
JOINT 0016	-55.	10.	-27.	-3.000	7.500		
JOINT 0017	-58.	10.	-27.	-6.000	7.500		
JOINT 0018	-77.	-8.	60.		-7.500	0.744	
JOINT 0019	-77.	12.	60.		4.872	0.744	
JOINT 0020	-82.	29.	58.		9.960	6.000	
JOINT 0021	-8.	26.	38.	-8.400			
JOINT 0022	-62.	-8.	60.		-7.500	0.744	
JOINT 0023	-82.	27.	58.			6.000	
JOINT 0024	-62.	12.	60.		4.872	0.744	
JOINT 0025	-53.	24.	58.			6.000	
JOINT 0026	-65.	-10.	27.				
JOINT 0027	-47.	-8.	60.		-7.500	0.744	
JOINT 0028	-61.	10.	-49.	-3.000	7.500		110001
JOINT 0029	-47.	12.	60.		4.872	0.744	
JOINT 0030	-44.	12.	60.		4.872	0.744	
JOINT 0031	-44.	-8.	60.		-7.500	0.744	
JOINT 0032	-51.	15.	58.	-9.000		6.000	
JOINT 0033	-56.	21.	58.			6.000	
JOINT 0034	-65.	-6.	38.				
JOINT 0035	-59.	18.	58.			6.000	
JOINT 0036	-51.	15.	48.	-9.000		6.000	
JOINT 0037	-65.	-9.	38.				
JOINT 0038	0.	-17.	58.			6.000	
JOINT 0039	-50.	0.	10.	-7.500	7.500		
JOINT 0040	-68.	-9.	38.				
JOINT 0041	-68.	-6.	38.				
JOINT 0042	-59.	-6.	38.				
JOINT 0043	-59.	-9.	38.				
JOINT 0044	-26.	-37.	58.		-3.960	6.000	
JOINT 0045	-29.	-37.	58.		-3.960	6.000	
JOINT 0046	-32.	-37.	58.		-3.960	6.000	
JOINT 0047	-83.	-29.	58.	-6.000	-9.960	6.000	
JOINT 0048	-35.	-37.	58.		-3.960	6.000	
JOINT 0049	-83.	-27.	58.	-6.000		6.000	
JOINT 0050	-53.	0.	10.	-10.500	7.500		
JOINT 0051	-53.	0.	15.	-3.000	7.500		
JOINT 0052	-38.	-37.	58.		-3.960	6.000	
JOINT 0053	-79.	0.	58.	-9.996		6.000	
JOINT 0054	-55.	0.	-27.	-3.000	7.500		
JOINT 0055	-58.	0.	-27.	-6.000	7.500		
JOINT 0056	-61.	0.	-49.	-3.000	7.500		110001
JOINT 0057	-42.	-29.	58.		-9.960	6.000	
JOINT 0058	-42.	-37.	58.		-3.960	6.000	
JOINT 0059	-23.	-33.	58.		-3.684	6.000	
JOINT 0060	-26.	-33.	58.		-3.960	6.000	
JOINT 0061	-47.	24.	58.		7.200	6.000	
JOINT 0062	-79.	29.	58.	-9.996	9.960	6.000	
JOINT 0063	-47.	-29.	38.		-9.996		
JOINT 0064	-32.	-33.	58.		-3.960	6.000	
JOINT 0065	-35.	-32.	58.		-4.656	6.000	
JOINT 0066	-79.	27.	58.	-9.996		6.000	
JOINT 0067	-79.	-27.	58.	-9.996		6.000	
JOINT 0068	-79.	-29.	58.	-9.996	-9.960	6.000	
JOINT 0069	-82.	-15.	58.			6.000	
JOINT 0070	-83.	-16.	58.	-6.000	-1.932	6.000	
JOINT 0071	-79.	-15.	58.	-9.996		6.000	
JOINT 0072	-79.	-19.	58.	-9.996		6.000	
JOINT 0073	-38.	-32.	58.		-4.656	6.000	
JOINT 0074	-41.	-32.	58.		-4.656	6.000	
JOINT 0075	-59.	5.	38.		6.000		
JOINT 0076	-42.	-32.	58.		-4.656	6.000	
JOINT 0077	10.	14.	58.			6.000	
JOINT 0078	10.	-14.	58.			6.000	
JOINT 0079	-12.	22.	58.	-3.000	9.000	6.000	
JOINT 0080	-50.	7.	27.		6.000		
JOINT 0081	-50.	-7.	27.		-6.000		
JOINT 0082	-15.	22.	58.	-3.000	9.000	6.000	
JOINT 0083	-18.	22.	58.	-3.000	9.000	6.000	
JOINT 0084	-20.	22.	58.		9.000	6.000	
JOINT 0085	-44.	22.	58.		2.400	6.000	
JOINT 0086	-12.	18.	58.	-3.000	9.000	6.000	
JOINT 0087	-41.	19.	58.		9.600	6.000	
JOINT 0088	-38.	17.	58.		4.800	6.000	
JOINT 0089	-15.	18.	58.	-3.000	9.000	6.000	
JOINT 0090	-83.	-9.	58.	-6.000	-10.500	6.000	
JOINT 0091	-79.	6.	48.	-9.996	4.500	3.000	
JOINT 0092	-75.	-3.	58.	-6.000	-6.096	6.000	
JOINT 0093	-18.	18.	58.	-3.000	9.000	6.000	
JOINT 0094	-20.	18.	58.		9.000	6.000	
JOINT 0095	-79.	6.	27.	-9.996	4.500		
JOINT 0096	-79.	-6.	58.	-9.996	-4.500	6.000	
JOINT 0097	-53.	-24.	27.				
JOINT 0098	-53.	-24.	38.				
JOINT 0099	-58.	4.	78.	-2.796	2.664	7.056	
JOINT 0100	-41.	12.	60.		4.872	0.744	
JOINT 0101	-67.	4.	78.	-4.236	2.664	7.056	
JOINT 0102	-76.	-6.	27.	-10.668	-4.500		
JOINT 0103	-15.	39.	58.	-3.000	2.628	6.000	
JOINT 0104	-35.	39.	58.		2.628	6.000	
JOINT 0105	-15.	35.	58.	-3.000	2.628	6.000	
JOINT 0106	-73.	-6.	27.	-11.328	-4.500		
JOINT 0107	-20.	17.	58.			6.000	
JOINT 0108	-18.	17.	58.	-3.000		6.000	
JOINT 0109	-18.	35.	58.	-9.000	2.628	6.000	
JOINT 0110	-10.	29.	58.	-2.244	9.960	6.000	
JOINT 0111	-15.	17.	58.	-3.000		6.000	
JOINT 0112	-12.	17.	58.	-3.000		6.000	
JOINT 0113	-18.	13.	58.	-3.000		6.000	
JOINT 0114	-15.	13.	58.	-3.000		6.000	
JOINT 0115	-18.	39.	58.	-9.000	2.628	6.000	
JOINT 0116	-12.	13.	58.	-3.000		6.000	

JOINT 0117	-15.	39.	38.	-3.000	2.628	
JOINT 0118	-71.	-6.	27.		-4.500	
JOINT 0119	-35.	39.	38.		2.628	
JOINT 0120	-41.	-8.	60.		-7.500	0.744
JOINT 0121	-73.	-15.	60.			0.744
JOINT 0122	-15.	31.	58.	-3.000	2.628	6.000
JOINT 0123	-18.	31.	58.	-9.000	2.628	6.000
JOINT 0124	-20.	13.	58.			6.000
JOINT 0125	13.	15.	58.			6.000
JOINT 0126	13.	9.	58.			6.000
JOINT 0127	13.	-9.	58.			6.000
JOINT 0128	13.	-15.	58.			6.000
JOINT 0129	-47.	-36.	38.		-3.996	
JOINT 0130	10.	10.	38.		6.000	
JOINT 0131	10.	-10.	38.		-6.000	
JOINT 0132	6.	-10.	38.	7.956	-6.000	
JOINT 0133	-12.	27.	38.	-9.996		
JOINT 0134	-12.	22.	38.	-9.600	5.004	
JOINT 0135	-10.	27.	38.	-9.000		
JOINT 0136	-10.	22.	38.	-9.000	5.004	
JOINT 0137	-8.	27.	38.	-8.400		
JOINT 0138	-8.	22.	38.	-8.400	5.004	
JOINT 0139	-6.	27.	38.	-9.600		
JOINT 0140	-6.	22.	38.	-9.600	5.004	
JOINT 0141	-2.	27.	38.	-8.400		
JOINT 0142	-2.	22.	38.	-8.400	5.004	
JOINT 0143	-65.	-6.	27.			
JOINT 0144	3.	17.	58.	3.960		6.000
JOINT 0145	0.	17.	58.			6.000
JOINT 0146	-3.	17.	58.	-3.000		6.000
JOINT 0147	3.	13.	58.	3.960		6.000
JOINT 0148	0.	13.	58.			6.000
JOINT 0149	-3.	13.	58.	-3.000		6.000
JOINT 0150	-3.	-13.	58.	-3.000		6.000
JOINT 0151	-1.	-13.	58.	-10.800		6.000
JOINT 0152	0.	-13.	58.			6.000
JOINT 0153	3.	-13.	58.	3.960		6.000
JOINT 0154	-50.	17.	58.			6.000
JOINT 0155	-53.	17.	58.			6.000
JOINT 0156	-47.	17.	58.			6.000
JOINT 0157	-66.	-31.	57.		-9.996	2.376
JOINT 0158	-56.	13.	58.		6.000	6.000
JOINT 0159	-56.	6.	58.			6.000
JOINT 0160	-50.	13.	58.			6.000
JOINT 0161	-47.	13.	58.			6.000
JOINT 0162	-51.	13.	58.	-1.980		6.000
JOINT 0163	-47.	8.	58.		3.000	6.000
JOINT 0164	-44.	8.	58.		3.000	6.000
JOINT 0165	-47.	5.	58.		3.000	6.000
JOINT 0166	-44.	5.	58.		3.000	6.000
JOINT 0167	-41.	5.	58.		3.000	6.000
JOINT 0168	-50.	5.	58.		3.000	6.000
JOINT 0169	-38.	5.	58.		3.000	6.000
JOINT 0170	-47.	-5.	58.		-3.000	6.000
JOINT 0171	-38.	-5.	58.		-3.000	6.000
JOINT 0172	-41.	-5.	58.		-3.000	6.000
JOINT 0173	-44.	-5.	58.		-3.000	6.000
JOINT 0174	-50.	-5.	58.		-3.000	6.000
JOINT 0175	-53.	-1.	58.			6.000
JOINT 0176	-53.	-13.	58.			6.000
JOINT 0177	-50.	-13.	58.			6.000
JOINT 0178	-47.	-13.	58.			6.000
JOINT 0179	-50.	-17.	58.			6.000
JOINT 0180	-47.	-17.	58.			6.000
JOINT 0181	-53.	-17.	58.			6.000
JOINT 0182	-62.	1.	58.		10.800	6.000
JOINT 0183	-65.	1.	58.		10.800	6.000
JOINT 0184	-62.	-2.	58.		-6.000	6.000
JOINT 0185	-73.	15.	60.			0.744
JOINT 0186	-69.	15.	60.	-6.120		0.744
JOINT 0187	-69.	-15.	60.	-6.120		0.744
JOINT 0188	-6.	26.	38.	-9.600		
JOINT 0189	-2.	26.	38.	-8.400		
JOINT 0190	0.	26.	38.			
JOINT 0191	-58.	12.	60.		4.872	0.744
JOINT 0192	-54.	12.	60.		4.872	0.744
JOINT 0193	-58.	-8.	60.		-7.500	0.744
JOINT 0194	-54.	-8.	60.		-7.500	0.744
JOINT 0195	3.	26.	38.	3.960		
JOINT 0196	6.	26.	38.	7.956		
JOINT 0197	-73.	12.	60.		4.872	0.744
JOINT 0198	-73.	-8.	60.		-7.500	0.744
JOINT 0199	-50.	0.	58.			6.000
JOINT 0200	-69.	12.	60.	-6.120	4.872	0.744
JOINT 0201	-69.	-8.	60.	-6.120	-7.500	0.744
JOINT 0202	-73.	-2.	60.		-5.496	0.744
JOINT 0203	-69.	-2.	60.	-6.120	-5.496	0.744
JOINT 0204	-62.	-2.	60.		-5.496	0.744
JOINT 0205	-58.	-2.	60.		-5.496	0.744
JOINT 0206	-54.	-2.	60.		-5.496	0.744
JOINT 0207	-50.	-2.	60.		-5.496	0.744
JOINT 0208	-47.	-2.	60.		-5.496	0.744
JOINT 0209	-41.	-2.	60.		-5.496	0.744
JOINT 0210	-73.	6.	60.		2.880	0.744
JOINT 0211	-69.	6.	60.	-6.120	2.880	0.744
JOINT 0212	-62.	6.	60.		2.880	0.744
JOINT 0213	-58.	6.	60.		2.880	0.744
JOINT 0214	-54.	6.	60.		2.880	0.744
JOINT 0215	-50.	6.	60.		2.880	0.744
JOINT 0216	-47.	6.	60.		2.880	0.744
JOINT 0217	-41.	6.	60.		2.880	0.744
JOINT 0218	-77.	-15.	78.			7.056
JOINT 0219	-77.	15.	78.			7.056
JOINT 0220	2.	26.	38.	9.960		
JOINT 0221	2.	22.	38.	9.960	5.004	

JOINT 0222	-62.	-15.	78.			7.056
JOINT 0223	-62.	15.	78.			7.056
JOINT 0224	-73.	-15.	78.	-3.492		7.056
JOINT 0225	-73.	15.	78.	-3.492		7.056
JOINT 0226	-65.	21.	38.			
JOINT 0227	-62.	-10.	27.			
JOINT 0228	-81.	-15.	78.			7.056
JOINT 0229	-81.	15.	78.			7.056
JOINT 0230	-15.	16.	38.	-3.000		
JOINT 0231	-50.	13.	78.		9.312	7.056
JOINT 0232	-77.	-12.	78.		-0.432	7.056
JOINT 0233	-44.	-29.	38.		-9.996	
JOINT 0234	-54.	-16.	2.	-8.028	-0.840	6.792
JOINT 0235	-18.	16.	38.	-3.000		
JOINT 0236	-54.	16.	0.	-8.028	0.840	10.788
JOINT 0237	-20.	16.	38.			
JOINT 0238	-15.	14.	38.	-3.000		
JOINT 0239	-73.	-12.	78.	-3.492		7.056
JOINT 0240	-18.	14.	38.	-3.000		
JOINT 0241	-66.	12.	60.		4.872	0.744
JOINT 0242	-20.	14.	38.			
JOINT 0243	-81.	-10.	78.		-9.324	7.056
JOINT 0244	-81.	0.	78.			7.056
JOINT 0245	-81.	7.	78.		9.876	7.056
JOINT 0246	-77.	7.	78.		9.876	7.056
JOINT 0247	-62.	7.	78.		9.876	7.056
JOINT 0248	-50.	7.	78.		9.876	7.056
JOINT 0249	-77.	0.	78.			7.056
JOINT 0250	-62.	0.	78.			7.056
JOINT 0251	-50.	0.	78.			7.056
JOINT 0252	-77.	-10.	78.		-9.324	7.056
JOINT 0253	-62.	-10.	78.		-9.324	7.056
JOINT 0254	-50.	-8.	78.			7.056
JOINT 0255	-73.	-10.	78.	-3.492	-9.324	7.056
JOINT 0256	-73.	0.	78.	-3.492		7.056
JOINT 0257	-73.	7.	78.	-3.492	9.876	7.056
JOINT 0258	-54.	-10.	78.	-2.124	-9.312	7.056
JOINT 0259	-54.	0.	78.	-2.124		7.056
JOINT 0260	-54.	7.	78.	-2.124	9.876	7.056
JOINT 0261	-54.	16.	2.	-8.028	0.840	6.792
JOINT 0262	-50.	-15.	78.			7.056
JOINT 0263	-75.	15.	58.	-6.000		6.000
JOINT 0264	-55.	-15.	78.	-3.120		7.056
JOINT 0265	-75.	27.	58.	-6.000		6.000
JOINT 0266	-66.	15.	60.			0.744
JOINT 0267	-66.	6.	60.		2.880	0.744
JOINT 0268	-66.	-2.	60.		-5.496	0.744
JOINT 0269	-66.	-8.	60.		-7.500	0.744
JOINT 0270	-66.	-15.	60.			0.744
JOINT 0271	-56.	-15.	2.	-6.408	-7.536	6.792
JOINT 0272	-56.	15.	2.	-6.408	7.536	6.792
JOINT 0273	-58.	-15.	2.	-10.500		8.004
JOINT 0274	-58.	15.	2.	-10.500		8.004
JOINT 0275	-58.	-15.	9.	-10.500		
JOINT 0276	-58.	15.	9.	-10.500		2.376
JOINT 0277	-58.	-15.	-3.	-10.500		-8.244
JOINT 0278	-58.	15.	-3.	-10.500		-8.244
JOINT 0279	-50.	15.	78.			7.056
JOINT 0280	-41.	-29.	38.		-9.996	
JOINT 0281	-38.	-29.	38.		-9.996	
JOINT 0282	-22.	27.	58.	-8.496		6.000
JOINT 0283	-16.	27.	58.	-1.500		6.000
JOINT 0284	-9.	27.	58.	-6.492		6.000
JOINT 0285	-35.	31.	35.	-0.012	2.628	0.108
JOINT 0286	-68.	-9.	27.		-10.500	
JOINT 0287	-15.	31.	35.	-3.000	2.628	0.108
JOINT 0288	-69.	-27.	58.	-6.000		6.000
JOINT 0289	-44.	6.	60.		2.880	0.744
JOINT 0290	-44.	-2.	60.		-5.496	0.744
JOINT 0291	-29.	22.	38.	-0.012	5.760	
JOINT 0292	-32.	22.	38.	-0.012	5.760	
JOINT 0293	-29.	19.	38.		10.260	
JOINT 0294	-32.	19.	38.		10.260	
JOINT 0295	-67.	15.	78.	-4.236		7.056
JOINT 0296	-67.	7.	78.	-4.236	9.876	7.056
JOINT 0297	-67.	0.	78.	-4.236	-7.308	7.056
JOINT 0298	-67.	-10.	78.	-4.236	-9.324	7.056
JOINT 0299	-67.	-15.	78.	-4.236		7.056
JOINT 0300	-65.	18.	38.			
JOINT 0301	-58.	7.	78.	-2.796	9.876	7.056
JOINT 0302	-58.	0.	78.	-2.796	-7.308	7.056
JOINT 0303	-58.	-10.	78.	-2.796	-9.312	7.056
JOINT 0304	-62.	21.	38.			
JOINT 0305	-62.	18.	38.			
JOINT 0306	-50.	5.	38.		9.996	
JOINT 0307	-47.	5.	38.		9.996	
JOINT 0308	-44.	5.	38.		9.996	
JOINT 0309	-41.	5.	38.		9.996	
JOINT 0310	-38.	5.	38.		9.996	
JOINT 0311	-35.	31.	58.		2.628	6.000
JOINT 0312	-15.	31.	38.	-3.000	2.628	
JOINT 0313	-44.	16.	27.		10.248	
JOINT 0314	-35.	31.	38.	-0.012	2.628	
JOINT 0315	-75.	0.	58.	-6.000		6.000
JOINT 0316	-75.	29.	58.	-6.000	9.960	6.000
JOINT 0317	-41.	22.	38.		5.760	
JOINT 0318	-44.	22.	38.		5.760	
JOINT 0319	-58.	15.	78.	-2.796		7.056
JOINT 0320	-54.	15.	78.	-2.124		7.056
JOINT 0321	-41.	19.	38.		10.260	
JOINT 0322	-44.	19.	38.		10.260	
JOINT 0323	-41.	19.	38.	-7.380	10.260	
JOINT 0324	-44.	4.	38.		6.000	
JOINT 0325	-34.	4.	38.	-6.996	6.000	
JOINT 0326	-32.	4.	38.		6.000	

JOINT 0327	-29.	4.	38.	6.000		
JOINT 0328	-26.	4.	38.	6.000		
JOINT 0329	-23.	4.	38.	6.000		
JOINT 0330	-20.	4.	38.	6.000		
JOINT 0331	-47.	2.	38.	7.956		
JOINT 0332	-44.	2.	38.	7.956		
JOINT 0333	-47.	-1.	38.	-4.524		
JOINT 0334	-44.	-1.	38.	-4.524		
JOINT 0335	-47.	-4.	38.	-4.524		
JOINT 0336	-44.	-4.	38.	-4.524		
JOINT 0337	-41.	0.	38.			
JOINT 0338	-38.	0.	38.			
JOINT 0339	-41.	-7.	38.	-7.248		
JOINT 0340	-38.	-7.	38.	-7.248		
JOINT 0341	-35.	-7.	38.	-11.004	-7.248	
JOINT 0342	-34.	-8.	38.	-6.996	-9.744	
JOINT 0343	-32.	-8.	38.	-9.744		
JOINT 0344	-34.	8.	38.	-6.996	9.996	
JOINT 0345	-32.	8.	38.	9.996		
JOINT 0346	-23.	8.	38.	9.996		
JOINT 0347	-20.	8.	38.	9.996		
JOINT 0348	-20.	0.	38.	5.376		
JOINT 0349	-23.	0.	38.	5.376		
JOINT 0350	-20.	-7.	38.	-9.996		
JOINT 0351	-23.	-7.	38.	-9.996		
JOINT 0352	-20.	-14.	38.			
JOINT 0353	-18.	-14.	38.	-3.000		
JOINT 0354	-15.	-14.	38.	-3.000		
JOINT 0355	-15.	-16.	38.	-3.000		
JOINT 0356	-18.	-16.	38.	-3.000		
JOINT 0357	-20.	-16.	38.			
JOINT 0358	10.	-10.	38.	-4.380		
JOINT 0359	6.	-13.	38.	7.956	-7.620	
JOINT 0360	10.	-13.	38.	-7.620		
JOINT 0361	-29.	-17.	38.	-5.244		
JOINT 0362	-32.	-17.	38.	-5.244		
JOINT 0363	-29.	-23.	38.	-0.012	-9.744	
JOINT 0364	-32.	-23.	38.	-9.744		
JOINT 0365	-44.	-17.	38.	-5.244		
JOINT 0366	-41.	-17.	38.	-5.244		
JOINT 0367	-41.	-23.	38.	-9.744		
JOINT 0368	-44.	-23.	38.	-9.744		
JOINT 0369	-47.	16.	27.	10.248		
JOINT 0370	-45.	16.	27.	-9.888	10.248	
JOINT 0371	-35.	31.	48.	2.628	3.000	
JOINT 0372	-15.	31.	48.	-3.000	2.628	3.000
JOINT 0373	-35.	39.	48.	2.628	3.000	
JOINT 0374	-19.	7.	27.	-6.000	2.004	
JOINT 0375	-23.	7.	27.	2.004		
JOINT 0376	-26.	7.	27.	2.004		
JOINT 0377	-29.	7.	27.	2.004		
JOINT 0378	-32.	7.	27.	2.004		
JOINT 0379	-35.	7.	27.	-3.000	2.004	
JOINT 0380	-38.	7.	27.	-3.996	2.004	
JOINT 0381	-41.	7.	27.	2.004		
JOINT 0382	-44.	7.	27.	2.004		
JOINT 0383	-32.	9.	27.	8.496		
JOINT 0384	-35.	9.	27.	-3.000	8.496	
JOINT 0385	-32.	3.	27.	3.504		
JOINT 0386	-35.	3.	27.	-3.000	3.504	
JOINT 0387	-34.	3.	27.	-3.000	3.504	
JOINT 0388	-34.	9.	27.	-3.000	8.496	
JOINT 0389	-35.	1.	27.	-3.000	3.996	
JOINT 0390	-38.	1.	27.	-3.996	3.996	
JOINT 0391	-62.	-6.	27.			
JOINT 0392	-35.	-1.	27.	-3.000		
JOINT 0393	-38.	-1.	27.	-3.996		
JOINT 0394	-38.	-3.	27.	-3.996	-8.004	
JOINT 0395	-35.	-3.	27.	-3.000	-8.004	
JOINT 0396	-38.	-5.	27.	-3.996	-9.000	
JOINT 0397	-35.	-5.	27.	-3.000	-9.000	
JOINT 0398	-35.	-7.	27.	-3.000	-9.996	
JOINT 0399	-38.	-7.	27.	-3.996	-9.996	
JOINT 0400	-41.	-7.	27.	-9.996		
JOINT 0401	-44.	-7.	27.	-9.996		
JOINT 0402	-47.	-7.	27.	-9.996		
JOINT 0403	-32.	-7.	27.	-9.996		
JOINT 0404	-29.	-7.	27.	-9.996		
JOINT 0405	-26.	-7.	27.	-9.996		
JOINT 0406	-23.	-7.	27.	-9.996		
JOINT 0407	-19.	-7.	27.	-6.000	-9.996	
JOINT 0408	-38.	-10.	27.	-3.996	-10.800	
JOINT 0409	-41.	-10.	27.	-10.800		
JOINT 0410	-38.	-11.	27.	-3.996	-9.000	
JOINT 0411	-35.	-11.	27.	-3.000	-9.000	
JOINT 0412	-44.	-10.	27.	-10.800		
JOINT 0413	-41.	-13.	27.	-3.996		
JOINT 0414	-44.	-13.	27.	-3.996		
JOINT 0415	-19.	-3.	27.	-6.000	-8.004	
JOINT 0416	-23.	-3.	27.	-8.004		
JOINT 0417	-15.	39.	48.	-3.000	2.628	3.000
JOINT 0418	-31.	39.	48.	-6.000	2.628	3.000
JOINT 0419	-31.	31.	48.	-6.000	2.628	3.000
JOINT 0420	-35.	35.	48.	2.628	3.000	
JOINT 0421	-31.	35.	48.	-6.000	2.628	3.000
JOINT 0422	-76.	-9.	27.	-10.668	-10.500	
JOINT 0423	-18.	39.	38.	-9.000	2.628	
JOINT 0424	-18.	31.	38.	-9.000	2.628	
JOINT 0425	-18.	35.	38.	-9.000	2.628	
JOINT 0426	-15.	35.	38.	-3.000	2.628	
JOINT 0427	-35.	39.	27.	2.628		
JOINT 0428	-15.	39.	27.	-3.000	2.628	
JOINT 0429	-15.	31.	27.	-3.000	2.628	
JOINT 0430	-35.	31.	27.	-0.012	2.628	
JOINT 0431	-25.	39.	27.	-1.500	2.628	

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JOINT 0432    -25.    31.    27. -1.500  2.628
JOINT 0433    -31.    39.    27. -6.000  2.628
JOINT 0434    -31.    31.    27. -6.000  2.628
JOINT 0435    -35.    35.    27.         2.628
JOINT 0436    -31.    35.    27. -6.000  2.628
JOINT 0437    -25.    39.    38. -1.500  2.628
JOINT 0438    -25.    39.    48. -1.500  2.628  3.000
JOINT 0439    -25.    39.    58. -1.500  2.628  6.000
JOINT 0440    -25.    31.    38. -1.500  2.628
JOINT 0441    -25.    31.    48. -1.500  2.628  3.000
JOINT 0442    -25.    31.    58. -1.500  2.628  6.000
JOINT 0443    -25.    39.    32. -1.500  2.628  6.000
JOINT 0444    -25.    39.    53. -1.500  2.628  4.500
JOINT 0445    -68.   -20.    27.        -9.000
JOINT 0446    -47.    27.    27.
JOINT 0447    -83.   -35.    58. -6.000 -7.248  6.000
JOINT 0448    -44.    27.    27.
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JOINT 0450    -35.    27.    38. -0.012
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JOINT 0452    -59.     5.    27.         6.000
JOINT 0453    -32.     5.    58.         3.000  6.000
JOINT 0454    -29.     5.    58.         3.000  6.000
JOINT 0455    -56.     5.    38.         6.000
JOINT 0456    -44.    22.    27.         3.000
JOINT 0457    -44.    23.    27.         3.000
JOINT 0458    -47.    22.    27.         3.000
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JOINT 0460    -79.     9.    58. -9.996 10.500  6.000
JOINT 0461    -79.    -9.    58. -9.996-10.500  6.000
JOINT 0462    -87.     9.    58. -9.996 10.500  6.000
JOINT 0463    -87.    -9.    58. -9.996-10.500  6.000
JOINT 0464    -82.     9.    58.        10.500  6.000
JOINT 0465    -82.    -9.    58.       -10.500  6.000
JOINT 0466    -83.    15.    58. -6.000         6.000
JOINT 0467    -83.   -15.    58. -6.000         6.000
JOINT 0468    -87.     6.    58. -9.996  4.500  6.000
JOINT 0469    -82.     6.    58.         4.500  6.000
JOINT 0470    -83.     9.    58. -6.000 10.500  6.000
JOINT 0471    -83.     6.    58. -6.000  4.500  6.000
JOINT 0472    -73.    -9.    27.-11.328-10.500
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JOINT 0474    -71.    -9.    27.       -10.500
JOINT 0475    -68.     0.    38.
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JOINT 0477    -79.     9.    27. -9.996 10.500
JOINT 0478    -87.    -9.    27. -9.996-10.500
JOINT 0479    -79.    -9.    27. -9.996-10.500
JOINT 0480    -75.     9.    58. -6.000 10.500  6.000
JOINT 0481    -87.     9.    38. -9.996 10.500
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JOINT 0486    -79.     9.    48. -9.996 10.500  3.000
JOINT 0487    -87.    -9.    48. -9.996-10.500  3.000
JOINT 0488    -79.    -9.    48. -9.996-10.500  3.000
JOINT 0489    -79.    -6.    48. -9.996 -4.500  3.000
JOINT 0490    -87.    -6.    48. -9.996 -4.500  3.000
JOINT 0491    -83.    -9.    48. -6.000-10.500  3.000
JOINT 0492    -83.    -6.    48. -6.000 -4.500  3.000
JOINT 0493    -87.     6.    38. -9.996  4.500
JOINT 0494    -79.     6.    38. -9.996  4.500
JOINT 0495    -83.     9.    38. -6.000 10.500
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JOINT 0497    -87.    -6.    27. -9.996 -4.500
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JOINT 0499    -83.    -6.    27. -6.000 -4.500
JOINT 0500    -83.    -9.    27. -6.000-10.500
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JOINT 0502    -79.     0.    27. -9.996
JOINT 0503    -87.     0.    38. -9.996 -0.003
JOINT 0504    -79.     0.    38. -9.996
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JOINT 0506    -79.     0.    48. -9.996         3.000
JOINT 0507    -87.     0.    58. -9.996 -0.003  6.000
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JOINT 0509    -76.     6.    38.-10.992  4.500
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JOINT 0511    -79.    -6.    38. -9.996 -4.500
JOINT 0512    -57.    12.    27.         6.000
JOINT 0513    -74.     9.    38.        10.500
JOINT 0514    -67.     1.    75. -4.236 10.692  1.356
JOINT 0515    -74.     6.    38.         4.500
JOINT 0516    -58.     1.    75. -2.796 10.692  1.356
JOINT 0517    -57.     9.    27.         9.000
JOINT 0518    -57.     5.    27. -8.004  6.000
JOINT 0519    -57.     2.    27.
JOINT 0520    -29.    31.    58.         2.628  6.000
JOINT 0521    -20.    31.    58.         2.628  6.000
JOINT 0522    -19.    27.    58. -5.004         6.000
JOINT 0523    -68.    -6.    38.        -4.500
JOINT 0524    -12.    27.    58. -9.996         6.000
JOINT 0525    -65.   -20.    27.        -9.000
JOINT 0526    -62.   -20.    27.        -9.000
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JOINT 0529    -29.    31.    48.         2.628  3.000
JOINT 0530    -20.    31.    48.         2.628  3.000
JOINT 0531    -29.    31.    38.         2.628
JOINT 0532    -68.   -10.    38.
JOINT 0533    -20.    31.    38.         2.628
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JOINT 0536    -29.    31.    27.         2.628
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JOINT 0542    -29.   -29.    38. -0.012 -9.996
JOINT 0543    -29.    31.    55.         2.628  6.108
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JOINT 0560    -62.   -14.    27.
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JOINT 0570    -53.   -13.    27. -7.716
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JOINT 0590    -57.    -7.    27.
JOINT 0591    -62.    22.    27.
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JOINT 0618    -59.   -24.    38.
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JOINT 0625    -59.    13.    38.
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JOINT 0628    -60.     1.    78.-11.472 10.692  7.056
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JOINT 0636    -58.    -9.    10.-10.500
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JOINT 0638    -58.     3.     7.-10.500
JOINT 0639    -58.    -3.     7.-10.500
JOINT 0640    -58.    -9.     7.-10.500
JOINT 0641    -58.     9.     4.-10.500
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JOINT 0643    -58.    -3.     4.-10.500
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JOINT 0655    -71.   -15.    38.
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JOINT 0664    -62.    -6.    78.        -3.528  7.056
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JOINT 0674    -62.     1.    78.        10.692  7.056
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JOINT 0676    -77.     1.    75.        10.692  1.356
JOINT 0677    -73.     1.    75. -3.492 10.692  1.356
JOINT 0678    -62.     1.    75.        10.692  1.356
JOINT 0679    -50.     1.    75.        10.692  1.356
JOINT 0680    -81.     4.    78.         2.664  7.056
JOINT 0681    -73.     4.    78. -3.492  2.664  7.056
JOINT 0682    -62.     4.    78.         2.664  7.056
JOINT 0683    -50.     4.    78.         2.664  7.056
JOINT 0684    -81.     0.    78.        -7.308  7.056
JOINT 0685    -73.     0.    78. -3.492 -7.308  7.056
JOINT 0686    -62.     0.    78.        -7.308  7.056
JOINT 0687    -50.     0.    78.        -7.308  7.056
JOINT 0688    -77.     1.    78.        10.692  7.056
JOINT 0689    -67.     1.    78. -4.236 10.692  7.056
JOINT 0690    -58.     1.    78. -2.796 10.692  7.056
JOINT 0691    -54.     1.    78. -2.124 10.692  7.056
JOINT 0692      0.    32.    58.         6.936  6.000
JOINT 0693    -58.     9.     9.-10.500
JOINT 0694      0.   -18.   -13.        -6.744 -6.000
JOINT 0695      0.    18.   -13.         6.756 -6.000
JOINT 0696    -53.   -18.   -13. -6.756 -6.756 -6.000
JOINT 0697    -53.    18.   -13. -6.756  6.756 -6.000
JOINT 0698    -35.   -18.   -13. -1.092 -6.744 -6.000
JOINT 0699    -18.    18.   -13. -5.652  6.744 -6.000
JOINT 0700    -53.     7.   -13. -6.744  1.932 -6.000
JOINT 0701      0.    -7.   -13.        -1.932 -6.000
JOINT 0702      0.   -15.     9.        -9.000
JOINT 0703    -50.   -15.     9. -9.000 -8.796
JOINT 0704    -50.    15.     9. -9.000  8.796
JOINT 0705      0.    15.     9.         9.000
JOINT 0706      0.    14.     9.         7.860
JOINT 0707    -50.   -14.     9. -9.000 -7.860
JOINT 0708     -1.   -15.     9. -5.916 -9.000
JOINT 0709    -49.    15.     9. -3.084  9.000
JOINT 0710    -58.     3.     9.-10.500
JOINT 0711    -58.    -3.     9.-10.500
JOINT 0712    -58.    -9.     9.-10.500
JOINT 0713    -27.   -17.    -8. -2.256-10.812 -2.484
JOINT 0714    -23.    18.   -10. -3.120  1.500
JOINT 0715      0.    16.     5.         2.208  6.408
JOINT 0716      0.   -16.     5.        -2.184  6.540
JOINT 0717    -51.    16.     5. -2.160  1.992  6.792
JOINT 0718    -51.   -16.     5. -2.148 -1.896  6.912
JOINT 0719    -59.     8.    27.         0.828
JOINT 0720    -57.     8.    27.         0.828
JOINT 0721    -67.    15.    85. -7.752         5.736
JOINT 0722    -53.   -11.    27. -7.716 -8.376
JOINT 0723    -51.   -11.    27.        -8.376
JOINT 0724    -50.    22.    38.
JOINT 0725    -52.    22.    38.
JOINT 0726    -62.    -1.    38.
JOINT 0727    -73.   -68.   103. -3.168 -7.116  5.820
JOINT 0728    -59.   -10.    27.
JOINT 0729    -67.     4.    85. -7.752  2.664  5.736
JOINT 0730    -56.    -1.    27.
JOINT 0731    -62.     9.    85.         7.332  5.736
JOINT 0732    -73.     9.    85. -3.492  7.332  5.736
JOINT 0733    -62.    -1.    85.        -0.432  5.736
JOINT 0734    -67.    -6.    85. -7.752 -3.528  5.736
JOINT 0735    -55.    -7.    27. -6.000
JOINT 0736    -55.   -10.    27. -6.000
JOINT 0737    -59.     5.    27.         2.196
JOINT 0738    -56.    -6.    38.
JOINT 0739    -57.    -6.    38.
JOINT 0740    -57.    -2.    27.
JOINT 0741    -59.     3.    27.         6.000
JOINT 0742    -73.    -1.    85. -3.492 -0.432  5.736
JOINT 0743    -57.    16.    27.         8.316
JOINT 0744    -59.    -7.    27.        -6.000
JOINT 0745    -58.    -9.    60.        -7.500  0.744
JOINT 0746    -62.    -9.    60.        -7.500  0.744
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JOINT 0747	-68.	-37.	66.	-3.792	8.340	
JOINT 0748	-68.	-36.	66.	-11.916	1.632	
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JOINT 0750	-57.	-7.	27.	-6.000		
JOINT 0751	-62.	3.	27.	6.000		
JOINT 0752	-57.	3.	27.	-8.004	6.000	
JOINT 0753	-62.	-16.	27.	-8.004		
JOINT 0754	-56.	-16.	27.	-6.000	-8.004	
JOINT 0755	-62.	-15.	84.		2.772	
JOINT 0756	-62.	-10.	84.	-9.324	2.772	
JOINT 0757	-75.	-15.	84.	-4.224	2.772	
JOINT 0758	-75.	-10.	84.	-4.224	-9.324	2.772
JOINT 0759	-75.	-15.	78.	-4.224	7.056	
JOINT 0760	-75.	-10.	78.	-4.224	-9.324	7.056
JOINT 0761	-68.	-15.	84.	-8.112	2.772	
JOINT 0762	-68.	-10.	84.	-8.112	-9.324	2.772
JOINT 0763	-62.	-12.	84.	-10.656	2.772	
JOINT 0764	-75.	-12.	84.	-4.224	-10.656	2.772
JOINT 0765	-62.	13.	60.	9.312	0.744	
JOINT 0766	-68.	-12.	87.	-8.112	-10.656	6.144
JOINT 0767	-58.	13.	60.	9.312	0.744	
JOINT 0768	-60.	-15.	78.	-6.000	7.056	
JOINT 0769	-60.	15.	78.	-6.000	7.056	
JOINT 0770	-75.	-15.	58.	-6.000	6.000	
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JOINT 0772	-75.	-22.	58.	-6.000	-4.260	6.000
JOINT 0773	-75.	-27.	58.	-6.000	6.000	
JOINT 0774	-75.	-29.	58.	-6.000	-9.960	6.000
JOINT 0775	-74.	2.	58.	-9.600	7.932	6.000
JOINT 0776	-23.	-36.	38.	-0.012	-3.996	
JOINT 0777	-47.	-9.	27.			
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JOINT 0779	-33.	-30.	58.	-4.932	-8.976	6.000
JOINT 0780	-57.	5.	38.	-8.004	6.000	
JOINT 0781	-23.	0.	58.		6.000	
JOINT 0782	-41.	-30.	58.	-8.976	6.000	
JOINT 0783	-36.	-30.	58.	-11.796	-8.976	6.000
JOINT 0784	-41.	-35.	58.	-4.092	6.000	
JOINT 0785	-30.	-30.	58.	-1.380	-8.976	6.000
JOINT 0786	-30.	-37.	58.	-1.380	-3.960	6.000
JOINT 0787	-44.	-32.	38.			
JOINT 0788	-51.	-36.	38.	-2.184	-3.996	
JOINT 0789	-78.	15.	58.	-9.000	6.000	
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JOINT 0792	-35.	-35.	58.	-4.092	6.000	
JOINT 0793	-32.	-35.	58.	-4.092	6.000	
JOINT 0794	-30.	-35.	58.	-1.380	-4.092	6.000
JOINT 0795	-42.	-35.	58.	-6.828	6.000	
JOINT 0796	-34.	-32.	58.	-0.972	-4.656	6.000
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JOINT 0798	-34.	-37.	58.	-0.972	-3.960	6.000
JOINT 0799	-42.	-32.	38.	-9.816		
JOINT 0800	-51.	-32.	38.	-2.184		
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JOINT 0802	-65.	-92.	153.	-6.600	-6.672	10.848
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JOINT 0804	-41.	-35.	58.	-6.828	6.000	
JOINT 0805	-38.	-35.	58.	-6.828	6.000	
JOINT 0806	-35.	-35.	58.	-6.828	6.000	
JOINT 0807	-34.	-35.	58.	-0.972	-6.828	6.000
JOINT 0808	-26.	-35.	58.	-4.092	6.000	
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JOINT 0810	-71.	-46.	68.	-11.976	-1.524	10.524
JOINT 0811	-50.	-8.	58.	-6.504	6.000	
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JOINT 0814	-50.	14.	58.	4.476	6.000	
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JOINT 0816	-68.	-31.	57.	-9.996	2.376	
JOINT 0817	-77.	-36.	36.	-9.996	5.880	
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JOINT 0819	-38.	-31.	38.	-2.436		
JOINT 0820	-35.	-31.	38.	-11.004	-2.436	
JOINT 0821	-34.	-31.	38.	-6.996	-2.436	
JOINT 0822	-29.	-31.	38.	-0.012	-2.436	
JOINT 0823	-26.	-31.	38.	-0.012	-2.436	
JOINT 0824	-23.	-31.	38.	-0.012	-2.436	
JOINT 0825	-21.	-31.	38.	-9.828	-2.436	
JOINT 0826	-21.	-36.	38.	-9.828	-3.996	
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JOINT 0828	-34.	-33.	38.	-6.996	-4.428	
JOINT 0829	-29.	-33.	38.	-0.012	-4.428	
JOINT 0830	-27.	-31.	38.	-8.004	-2.436	
JOINT 0831	-27.	-36.	38.	-8.004	-3.996	
JOINT 0832	-27.	-33.	38.	-8.004	-4.428	
JOINT 0833	-32.	-33.	38.	-10.992	-4.428	
JOINT 0834	-31.	-33.	38.	-1.008	-4.428	
JOINT 0835	-54.	2.	27.	-6.000		
JOINT 0836	-54.	6.	27.	-6.000		
JOINT 0837	-44.	-9.	27.			
JOINT 0838	-41.	-9.	27.			
JOINT 0839	-83.	-23.	58.	-6.000	6.000	
JOINT 0840	-59.	-33.	36.	-9.996	5.880	
JOINT 0841	-79.	-23.	58.	-9.996	6.000	
JOINT 0842	-67.	-3.	91.	-7.752	-7.980	0.276
JOINT 0843	-67.	1.	91.	-7.752	7.908	0.276
JOINT 0844	-67.	6.	91.	-7.752	11.784	0.276
JOINT 0845	-67.	12.	91.	-7.752	2.880	0.276
JOINT 0846	-77.	-30.	36.	-9.996	5.880	
JOINT 0847	-73.	-68.	103.	-3.036	-8.220	8.124
JOINT 0848	-64.	-46.	68.	-0.108	-1.560	10.500
JOINT 0849	-63.	-74.	115.	-4.716	-2.124	3.168
JOINT 0850	-59.	-30.	36.	-9.996	5.880	
JOINT 0851	-63.	-74.	115.	-4.908	-3.756	6.600

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JOINT 0901    -74.   -56.    78. -7.680-10.680  9.588
JOINT 0902    -74.   -56.    77. -8.436 -4.320  8.160
JOINT 0903    -74.   -60.    87. -2.088-10.224  1.872
JOINT 0904    -74.   -61.    87. -1.764 -1.008  7.740
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JOINT 0994    -38.    27.    27. -0.012
JOINT 0995    -41.    24.    27.
JOINT 0996    -38.    24.    27. -0.012
JOINT 0997    -70.   -28.    58.       -11.412  0.360
JOINT 0998    -57.   -33.    36.        -9.996  5.880
JOINT 0999    -79.   -33.    36.        -9.996  5.880
JOINT 1000    -82.    15.    78. -9.456         7.056
JOINT 1001    -50.     6.    38.                       222000
JOINT 1002    -38.   -15.    38.
JOINT 1003      0.   -15.    38.                       222000
JOINT 1004    -35.   -15.    38.-11.004
JOINT 1005    -68.   -41.    47.       -10.560  1.620
JOINT 1006    -34.   -15.    38. -6.996
JOINT 1007      0.    15.    38.                       222000
JOINT 1008    -32.   -15.    38.
JOINT 1009    -50.    -6.    38.
JOINT 1010    -29.   -15.    38.
JOINT 1011    -68.   -50.    66.       -10.716  1.776
JOINT 1012    -18.   -15.    38. -3.000
JOINT 1013    -50.    -9.    38.
JOINT 1014      0.   -22.   -43.        -4.092 -8.772
JOINT 1015    -31.    31.    27. -0.768  2.628
JOINT 1016    -32.    28.    38. -0.012 11.004
JOINT 1017    -32.    24.    38. -0.012
JOINT 1018     -9.   -15.    38. -3.000
JOINT 1019    -29.    24.    38. -0.012
JOINT 1020    -29.    28.    38. -0.012 11.004
JOINT 1021    -29.    31.    43.         2.628  1.500
JOINT 1022    -31.    24.    38. -0.768
JOINT 1023    -47.    28.    38.        11.004
JOINT 1024    -44.    28.    38.        11.004
JOINT 1025    -47.    25.    38.         9.000
JOINT 1026    -44.    23.    38.         3.000
JOINT 1027    -15.    -6.    38. -3.000
JOINT 1028     -9.    -6.    38. -3.000
JOINT 1029    -57.   -22.   -43. -4.152 -4.152 -9.252
JOINT 1030     -3.    -6.    38. -3.000
JOINT 1031      0.   -19.   -21.        -6.456 -3.648
JOINT 1032      0.    -6.    38.
JOINT 1033    -86.    15.    78. -8.076         7.056
JOINT 1034      0.   -18.   -10.        -1.500
JOINT 1035      0.   -15.     8.       -10.500
JOINT 1036     -2.   -15.     8.-11.832-10.500
JOINT 1037    -15.     0.    38. -3.000
JOINT 1038     -9.     0.    38. -3.000
JOINT 1039    -82.    14.    78. -9.456  2.652  7.056
JOINT 1040     -3.     0.    38. -3.000
JOINT 1041    -86.    14.    78. -8.076  2.652  7.056
JOINT 1042      0.     0.    38.
JOINT 1043    -29.   -18.   -10.-10.380 -1.500
JOINT 1044    -82.    10.    78. -9.456  4.044  7.056
JOINT 1045    -86.    10.    78. -8.076  4.044  7.056
JOINT 1046    -65.   -23.    58.        -6.000  6.000
JOINT 1047    -15.     6.    38. -3.000
JOINT 1048     -9.     6.    38. -3.000
JOINT 1049    -82.    14.    81. -9.456  2.652  5.340
JOINT 1050     -3.     6.    38. -3.000
JOINT 1051    -86.    14.    81. -8.076  2.652  5.340
JOINT 1052      0.     6.    38.
JOINT 1053    -82.    10.    81. -9.456  4.044  5.340
JOINT 1054    -86.    10.    81. -8.076  4.044  5.340
JOINT 1055    -86.    14.    90. -8.076  2.652 10.068
JOINT 1056    -82.    14.    90. -9.456  2.652 10.068
JOINT 1057    -82.    10.    90. -9.456  4.044 10.068
JOINT 1058    -86.    10.    90. -8.076  4.044 10.068
JOINT 1059    -54.   -19.   -21. -6.528 -6.528 -4.176
JOINT 1060    -53.   -18.   -10. -1.500 -1.500
JOINT 1061      0.    22.   -43.         4.092 -8.772
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JOINT 1062	-82.	-12.	78.	-9.456	-0.432	7.056	
JOINT 1063	-81.	-12.	78.		-0.432	7.056	
JOINT 1064	-82.	-8.	78.	-9.456	-1.824	7.056	
JOINT 1065	-81.	-8.	78.		-1.824	7.056	
JOINT 1066	-77.	-8.	78.		-1.824	7.056	
JOINT 1067	-86.	-12.	78.	-8.076	-0.432	7.056	
JOINT 1068	-72.	-2.	58.	-7.200	-6.000	6.000	
JOINT 1069	-86.	-8.	78.	-8.076	-1.824	7.056	
JOINT 1070	-82.	-12.	81.	-9.456	-0.432	5.340	
JOINT 1071	-82.	-8.	81.	-9.456	-1.824	5.340	
JOINT 1072	-38.	15.	38.				
JOINT 1073	-86.	-8.	81.	-8.076	-1.824	5.340	
JOINT 1074	-35.	15.	38.	-11.004			
JOINT 1075	-86.	-12.	81.	-8.076	-0.432	5.340	
JOINT 1076	-34.	15.	38.	-6.996			
JOINT 1077	-86.	-8.	90.	-8.076	-1.824	10.068	
JOINT 1078	-32.	15.	38.				
JOINT 1079	-82.	-8.	90.	-9.456	-1.824	10.068	
JOINT 1080	-86.	-12.	90.	-8.076	-0.432	10.068	
JOINT 1081	-82.	-12.	90.	-9.456	-0.432	10.068	
JOINT 1082	-18.	15.	38.	-3.000			
JOINT 1083	-81.	10.	78.		4.044	7.056	
JOINT 1084	-77.	10.	78.		4.044	7.056	
JOINT 1085	-77.	-15.	73.			8.856	
JOINT 1086	0.	19.	-21.		6.456	-3.648	
JOINT 1087	-15.	15.	38.	-3.000			
JOINT 1088	-9.	15.	38.	-3.000			
JOINT 1089	-77.	15.	73.			8.856	
JOINT 1090	0.	18.	-10.		1.500		
JOINT 1091	0.	15.	8.		10.500		
JOINT 1092	-77.	-7.	78.		-9.840	7.056	
JOINT 1093	-63.	-86.	141.	-4.380	-5.820	2.724	
JOINT 1094	-26.	5.	58.		3.000	6.000	
JOINT 1095	0.	13.	8.		8.232		
JOINT 1096	0.	-3.	-10.		-9.204		
JOINT 1097	-57.	22.	-43.	-4.152	4.152	-9.252	
JOINT 1098	-54.	19.	-21.	-6.528	6.528	-4.176	
JOINT 1099	-68.	-27.	38.				
JOINT 1100	-77.	6.	78.		6.108	7.056	
JOINT 1101	-53.	3.	-10.	-1.500	8.400		
JOINT 1102	-53.	18.	-10.	-1.500	1.500		
JOINT 1103	-23.	5.	58.		3.000	6.000	
JOINT 1104	-74.	-10.	38.				
JOINT 1105	-74.	0.	38.				
JOINT 1106	-50.	-13.	38.				
JOINT 1107	-59.	2.	38.		6.000		
JOINT 1108	-50.	12.	38.		6.000		
JOINT 1109	-38.	8.	38.		9.996		
JOINT 1110	-77.	4.	78.		2.664	7.056	
JOINT 1111	-77.	0.	78.		-7.308	7.056	
JOINT 1112	-35.	-3.	38.	-11.004	-9.624		
JOINT 1113	-65.	-29.	58.		-9.960	6.000	
JOINT 1114	-83.	13.	58.	-6.000	2.220	6.000	
JOINT 1115	-80.	9.	58.	-9.168	10.500	6.000	
JOINT 1116	-80.	-9.	58.	-9.936	-10.500	6.000	
JOINT 1117	-83.	-13.	58.	-6.000	-1.884	6.000	
JOINT 1118	-47.	23.	38.		3.000		
JOINT 1119	-31.	27.	38.	-0.768			
JOINT 1120	-35.	-11.	38.	-11.004	-3.624		
JOINT 1121	-32.	11.	38.		10.992		
JOINT 1122	-34.	-7.	38.	-6.996	-7.248		
JOINT 1123	-44.	24.	27.				
JOINT 1124	-34.	31.	38.	-6.996	2.628		
JOINT 1125	-20.	31.	43.		2.628	1.500	
JOINT 1126	-71.	6.	27.		4.500		
JOINT 1127	-68.	6.	27.		4.500		
JOINT 1128	-44.	0.	38.				
JOINT 1129	-69.	-31.	57.	-5.760	-9.996	2.376	
JOINT 1130	-66.	-31.	57.	-6.240	-9.996	2.376	
JOINT 1131	-35.	29.	38.	-0.012	9.996		
JOINT 1132	-78.	-33.	36.	-0.960	-9.996	5.880	
JOINT 1133	-75.	-33.	36.	-11.040	-9.996	5.880	
JOINT 1134	-57.	-33.	36.	-11.040	-9.996	5.880	
JOINT 1135	-60.	-33.	36.	-0.960	-9.996	5.880	
JOINT 1152	-20.	0.	38.				
JOINT 1300	-65.	27.	38.				
JOINT 1301	0.	27.	38.				
JOINT 1302	-50.	-27.	38.				
JOINT 1303	-65.	-27.	38.				
JOINT 1304	0.	-27.	38.				
JOINT 1305	10.	-27.	38.				
JOINT 1500	-18.	9.	38.	-3.000			
JOINT 1502	-18.	3.	38.	-3.000			
JOINT 1503	-18.	-3.	38.	-3.000			
JOINT 1504	-18.	-9.	38.	-3.000			
JOINT 1506	-15.	9.	38.	-3.000			
JOINT 1507	-15.	3.	38.	-3.000			
JOINT 1508	-15.	-3.	38.	-3.000			
JOINT 1509	-15.	-9.	38.	-3.000			
JOINT 1510	-9.	9.	38.	-3.000			
JOINT 1513	-9.	3.	38.	-3.000			
JOINT 1514	-9.	-3.	38.	-3.000			
JOINT 1516	-9.	-9.	38.	-3.000			
JOINT 1517	-3.	9.	38.	-3.000			
JOINT 1518	-3.	3.	38.	-3.000			
JOINT 1519	-3.	-3.	38.	-3.000			
JOINT 1520	-3.	-9.	38.	-3.000			
JOINT 1523	0.	9.	38.				
JOINT 1524	0.	3.	38.				
JOINT 1526	0.	-3.	38.				
JOINT 1527	0.	-9.	38.				
JOINT 1528	-6.	15.	38.	-3.000			
JOINT 1529	-6.	9.	38.	-3.000			
JOINT 1530	-6.	6.	38.	-3.000			
JOINT 1531	-6.	3.	38.	-3.000			

JOINT 1532	-6.	0.	38.	-3.000		
JOINT 1533	-6.	-3.	38.	-3.000		
JOINT 1534	-6.	-6.	38.	-3.000		
JOINT 1535	-6.	-9.	38.	-3.000		
JOINT 1536	-6.	-15.	38.	-3.000		
JOINT 1537	-12.	15.	38.	-3.000		
JOINT 1538	-12.	9.	38.	-3.000		
JOINT 1539	-12.	6.	38.	-3.000		
JOINT 1540	-12.	3.	38.	-3.000		
JOINT 1541	-12.	0.	38.	-3.000		
JOINT 1542	-12.	-3.	38.	-3.000		
JOINT 1543	-12.	-6.	38.	-3.000		
JOINT 1544	-12.	-9.	38.	-3.000		
JOINT 1545	-12.	-15.	38.	-3.000		
JOINT 1560	-18.	6.	38.	-3.000		
JOINT 1561	-18.	0.	38.	-3.000		
JOINT 1562	-18.	-6.	38.	-3.000		
JOINT 1600	-65.	29.	38.		9.996	
JOINT 1601	-54.	15.	38.	-6.000		
JOINT 1602	-50.	29.	38.		9.996	
JOINT 1603	0.	29.	38.		9.996	
JOINT 1604	10.	29.	38.		9.996	
JOINT 1605	-54.	13.	38.	-6.000	6.000	
JOINT 1606	-62.	29.	38.		9.996	
JOINT 1607	-59.	29.	38.		9.996	
JOINT 1608	-56.	29.	38.		9.996	
JOINT 1609	-53.	29.	38.		9.996	
JOINT 1610	-62.	27.	38.			
JOINT 1611	-54.	10.	38.	-6.000		
JOINT 1612	-59.	27.	38.			
JOINT 1613	-56.	27.	38.			
JOINT 1614	-53.	27.	38.			
JOINT 1615	-54.	6.	38.	-6.000		
JOINT 1616	-62.	15.	38.			
JOINT 1617	-59.	15.	38.			
JOINT 1618	-56.	15.	38.			
JOINT 1619	-53.	15.	38.			
JOINT 1620	-62.	-15.	38.			
JOINT 1621	-59.	-15.	38.			
JOINT 1622	-56.	-15.	38.			
JOINT 1623	-53.	-15.	38.			
JOINT 1624	-62.	-27.	38.			
JOINT 1625	-59.	-27.	38.			
JOINT 1627	-53.	-27.	38.			
JOINT 1628	-56.	-27.	38.			
JOINT 1629	-80.	-27.	38.			
JOINT 1630	-77.	-27.	38.			
JOINT 1631	-68.	12.	38.		6.000	
JOINT 1632	-53.	-29.	38.		-9.996	
JOINT 1633	-50.	-29.	38.		-9.996	
JOINT 1634	0.	-29.	38.		-9.996	
JOINT 1635	10.	-29.	38.		-9.996	
JOINT 1636	-65.	12.	38.		6.000	
JOINT 1637	-65.	9.	38.			
JOINT 1638	-50.	0.	38.			
JOINT 1639	-62.	12.	38.		6.000	
JOINT 1640	-62.	9.	38.			
JOINT 1641	-50.	-15.	38.			222000
JOINT 1642	-59.	12.	38.		6.000	
JOINT 1643	-59.	9.	38.			
JOINT 1644	-59.	18.	38.			
JOINT 1645	-54.	2.	38.	-6.000	6.000	
JOINT 1646	-56.	2.	38.		6.000	
JOINT 1647	-53.	2.	38.		6.000	
JOINT 1648	-38.	4.	38.		6.000	
JOINT 1649	-56.	21.	38.			
JOINT 1650	-35.	4.	38.	-11.004	6.000	
JOINT 1651	-53.	24.	38.			
JOINT 1652	-47.	24.	38.		5.328	
JOINT 1654	-51.	6.	38.	-6.000		
JOINT 1655	-51.	10.	38.	-6.000		
JOINT 1656	3.	29.	38.	3.960	9.996	
JOINT 1657	6.	29.	38.	7.956	9.996	
JOINT 1658	6.	27.	38.	7.956		
JOINT 1659	3.	-29.	38.	3.960	-9.996	
JOINT 1660	3.	-27.	38.	3.960		
JOINT 1661	6.	-27.	38.	7.956		
JOINT 1662	6.	-29.	38.	7.956	-9.996	
JOINT 1663	6.	-15.	38.	7.956		
JOINT 1664	-51.	13.	38.	-6.000	6.000	
JOINT 1665	-51.	2.	38.	-6.000	6.000	
JOINT 1666	-50.	2.	38.		6.000	
JOINT 1667	-50.	27.	38.			
JOINT 1668	-51.	15.	38.	-6.000		
JOINT 1669	-50.	15.	38.			222000
JOINT 1670	-35.	0.	38.	-11.004		
JOINT 1671	-44.	21.	38.		10.644	
JOINT 1672	-47.	4.	38.		9.996	
JOINT 1673	-44.	4.	38.		9.996	
JOINT 1674	-42.	4.	38.	-6.000	6.000	
JOINT 1675	-41.	4.	38.		6.000	
JOINT 1676	-47.	8.	38.		9.996	
JOINT 1677	-44.	8.	38.		9.996	
JOINT 1679	-41.	8.	38.		9.996	
JOINT 1680	-77.	-15.	38.			
JOINT 1681	-68.	9.	38.			
JOINT 1682	-34.	0.	38.	-6.996		
JOINT 1683	-65.	5.	38.		6.000	
JOINT 1684	-68.	-15.	38.			
JOINT 1685	-65.	-15.	38.			
JOINT 1686	-62.	5.	38.		6.000	
JOINT 1687	-68.	5.	38.		6.000	
JOINT 1690	-68.	15.	38.			
JOINT 1691	-65.	15.	38.			
JOINT 1693	-41.	19.	38.		3.972	

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JOINT 1694    -38.    16.    38.         9.300
JOINT 1697    -32.     0.    38.
JOINT 1700    -15.   -15.    38. -3.000
JOINT 1701     -3.   -15.    38. -3.000
JOINT 1702     -3.    15.    38. -3.000
JOINT 1703    -47.    29.    38.         9.996
JOINT 1704    -44.    29.    38.         9.996
JOINT 1705    -41.    29.    38.         9.996
JOINT 1706    -38.    29.    38.         9.996
JOINT 1707    -47.    27.    38.
JOINT 1708    -44.    27.    38.
JOINT 1709    -41.    27.    38.
JOINT 1710    -38.    27.    38.
JOINT 1711    -47.    15.    38.
JOINT 1712    -44.    15.    38.
JOINT 1713    -41.    15.    38.
JOINT 1714    -47.   -15.    38.
JOINT 1715    -44.   -15.    38.
JOINT 1716    -41.   -15.    38.
JOINT 1717    -47.   -27.    38.
JOINT 1718    -44.   -27.    38.
JOINT 1719    -41.   -27.    38.
JOINT 1720    -38.   -27.    38.
JOINT 1722    -44.   -36.    38.        -3.996
JOINT 1723    -41.   -36.    38.        -3.996
JOINT 1724    -38.   -36.    38.        -3.996
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JOINT 1726    -34.    29.    38. -6.996  9.996
JOINT 1727    -35.    27.    38.-11.004
JOINT 1728    -34.    27.    38. -6.996
JOINT 1729    -32.    29.    38. -0.012  9.996
JOINT 1730    -32.    27.    38. -0.012
JOINT 1731    -29.    29.    38. -0.012  9.996
JOINT 1732    -29.    27.    38. -0.012
JOINT 1733    -26.    29.    38. -0.012  9.996
JOINT 1734    -26.    27.    38. -0.012
JOINT 1735    -23.    29.    38.         9.996
JOINT 1736    -23.    27.    38.
JOINT 1737    -29.    15.    38.
JOINT 1738    -26.    15.    38.
JOINT 1739    -23.    15.    38.
JOINT 1740    -20.    29.    38.         9.996
JOINT 1741    -20.    27.    38.
JOINT 1742    -20.    15.    38.
JOINT 1743    -18.    29.    38. -3.000  9.996
JOINT 1744    -18.    27.    38. -3.000
JOINT 1745    -15.    29.    38. -3.000  9.996
JOINT 1746    -12.    29.    38. -3.000  9.996
JOINT 1747     -9.    29.    38. -3.000  9.996
JOINT 1748     -6.    29.    38. -3.000  9.996
JOINT 1749     -3.    29.    38. -3.000  9.996
JOINT 1750    -15.    27.    38. -3.000
JOINT 1751    -12.    27.    38. -3.000
JOINT 1752     -9.    27.    38. -3.000
JOINT 1753     -6.    27.    38. -3.000
JOINT 1754     -3.    27.    38. -3.000
JOINT 1755    -26.   -15.    38.
JOINT 1756    -23.   -15.    38.
JOINT 1757    -20.   -15.    38.
JOINT 1758    -35.   -27.    38.-11.004
JOINT 1759    -35.   -36.    38.-11.004 -3.996
JOINT 1760    -34.   -27.    38. -6.996
JOINT 1761    -34.   -36.    38. -6.996 -3.996
JOINT 1762    -32.   -27.    38.
JOINT 1763    -32.   -36.    38.        -3.996
JOINT 1764    -29.   -27.    38. -0.012
JOINT 1765    -29.   -36.    38. -0.012 -3.996
JOINT 1766    -26.   -27.    38. -0.012
JOINT 1767    -26.   -29.    38. -0.012 -9.996
JOINT 1768    -23.   -27.    38. -0.012
JOINT 1769    -23.   -29.    38. -0.012 -9.996
JOINT 1770    -20.   -27.    38.
JOINT 1771    -20.   -29.    38.        -9.996
JOINT 1772    -18.   -27.    38. -3.012
JOINT 1773    -18.   -29.    38. -3.012 -9.996
JOINT 1774    -15.   -27.    38. -3.012
JOINT 1775    -15.   -29.    38. -3.012 -9.996
JOINT 1776    -12.   -27.    38. -3.012
JOINT 1777    -12.   -29.    38. -3.012 -9.996
JOINT 1778     -9.   -27.    38. -3.012
JOINT 1779     -9.   -29.    38. -3.012 -9.996
JOINT 1780     -6.   -27.    38. -3.012
JOINT 1781     -6.   -29.    38. -3.012 -9.996
JOINT 1782     -3.   -27.    38. -3.012
JOINT 1783     -3.   -29.    38. -3.012 -9.996
JOINT 1791    -29.     0.    38.
JOINT 1793    -15.    22.    38. -3.000  5.004
JOINT 1794    -12.    22.    38. -3.000  5.004
JOINT 1795     -9.    22.    38. -3.000  5.004
JOINT 1797     -6.    22.    38. -3.000  5.004
JOINT 1798     -3.    22.    38. -3.000  5.004
JOINT 1799      0.    22.    38.         5.004
JOINT 1800    -16.   -15.    38. -6.000
JOINT 1850    -16.    15.    38. -6.000
JOINT 1864    -62.   -15.    58. -6.360         6.000 222000
JOINT 1870      3.    22.    38.  3.960  5.004
JOINT 1871      6.    22.    38.  7.956  5.004
JOINT 1872    -23.     5.    27.         3.876
JOINT 1873    -19.     5.    27. -6.000  3.876
JOINT 1874    -19.     2.    27. -6.000  3.876
JOINT 1875    -23.     2.    27.         3.876
JOINT 1888    -62.    15.    58. -6.360         6.000 222000
JOINT 1999    -50.   -36.    38.        -3.996
JOINT 2020     -6.   -15.    58. -3.000         6.000
JOINT 2030    -26.   -36.    38. -0.012 -3.996
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JOINT 2080	-6.	15.	58.	-3.000		6.000
JOINT 3001	-50.	15.	48.			6.000
JOINT 3002	-56.	15.	48.			6.000
JOINT 3003	-56.	12.	48.			6.000
JOINT 3004	-50.	12.	48.			6.000
JOINT 3005	-56.	8.	48.			6.000
JOINT 3006	-50.	8.	48.			6.000
JOINT 3007	-56.	4.	48.			6.000
JOINT 3008	-50.	4.	48.			6.000
JOINT 3009	-56.	-1.	48.			6.000
JOINT 3010	-50.	-1.	48.			6.000
JOINT 3100	-32.	15.	10.	-9.000	7.500	
JOINT 3101	-19.	15.	10.	-9.000	7.500	
JOINT 3102	-19.	20.	10.	-9.000	2.808	
JOINT 3103	-32.	20.	10.	-9.000	2.808	
JOINT 3104	-19.	16.	8.		2.808	6.000
JOINT 3105	-14.	16.	8.		2.808	6.000
JOINT 3106	-19.	20.	8.		2.808	6.000
JOINT 3107	-14.	20.	8.		2.808	6.000
JOINT 3108	-13.	20.	8.	-6.000	2.808	6.000
JOINT 3109	-10.	20.	8.	-6.000	2.808	6.000
JOINT 3110	-7.	20.	8.	-6.000	2.808	6.000
JOINT 3111	-2.	20.	8.	-6.000	2.808	6.000
JOINT 3112	-16.	20.	8.	-6.000	2.808	6.000
JOINT 3113	-19.	20.	8.	-6.000	2.808	6.000
JOINT 3114	-22.	20.	8.	-6.000	2.808	6.000
JOINT 3115	-25.	20.	8.	-6.000	2.808	6.000
JOINT 3116	-28.	20.	8.	-6.000	2.808	6.000
JOINT 3117	-31.	20.	8.	-6.000	2.808	6.000
JOINT 3118	-34.	20.	8.	-6.000	2.808	6.000
JOINT 3119	-37.	20.	8.	-6.000	2.808	6.000
JOINT 3120	-40.	20.	8.	-6.000	2.808	6.000
JOINT 3121	-43.	20.	8.	-6.000	2.808	6.000
JOINT 3122	-48.	20.	8.	-6.000	2.808	6.000
JOINT 3123	-43.	23.	8.	-6.000	8.808	6.000
JOINT 3124	-40.	23.	8.	-6.000	8.808	6.000
JOINT 3125	-37.	23.	8.	-6.000	8.808	6.000
JOINT 3126	-34.	23.	8.	-6.000	8.808	6.000
JOINT 3127	-31.	23.	8.	-6.000	8.808	6.000
JOINT 3128	-28.	23.	8.	-6.000	8.808	6.000
JOINT 3129	-25.	23.	8.	-6.000	8.808	6.000
JOINT 3130	-22.	23.	8.	-6.000	8.808	6.000
JOINT 3131	-19.	23.	8.	-6.000	8.808	6.000
JOINT 3132	-16.	23.	8.	-6.000	8.808	6.000
JOINT 3133	-13.	23.	8.	-6.000	8.808	6.000
JOINT 3134	-10.	23.	8.	-6.000	8.808	6.000
JOINT 3135	-7.	23.	8.	-6.000	8.808	6.000
JOINT 3136	-45.	23.	8.		8.808	6.000
JOINT 3137	-6.	23.	8.		8.808	6.000
JOINT 3138	-48.	20.	3.	-6.000	2.808	6.000
JOINT 3139	-43.	20.	3.	-6.000	2.808	6.000
JOINT 3140	-40.	20.	3.	-6.000	2.808	6.000
JOINT 3141	-37.	20.	3.	-6.000	2.808	6.000
JOINT 3142	-34.	20.	3.	-6.000	2.808	6.000
JOINT 3143	-31.	20.	3.	-6.000	2.808	6.000
JOINT 3144	-28.	20.	3.	-6.000	2.808	6.000
JOINT 3145	-25.	20.	3.	-6.000	2.808	6.000
JOINT 3146	-22.	20.	3.	-6.000	2.808	6.000
JOINT 3147	-19.	20.	3.	-6.000	2.808	6.000
JOINT 3148	-16.	20.	3.	-6.000	2.808	6.000
JOINT 3149	-13.	20.	3.	-6.000	2.808	6.000
JOINT 3150	-10.	20.	3.	-6.000	2.808	6.000
JOINT 3151	-7.	20.	3.	-6.000	2.808	6.000
JOINT 3152	-2.	20.	3.	-6.000	2.808	6.000
JOINT 3153	-43.	23.	3.	-6.000	8.808	6.000
JOINT 3154	-40.	23.	3.	-6.000	8.808	6.000
JOINT 3155	-37.	23.	3.	-6.000	8.808	6.000
JOINT 3156	-34.	23.	3.	-6.000	8.808	6.000
JOINT 3157	-31.	23.	3.	-6.000	8.808	6.000
JOINT 3158	-28.	23.	3.	-6.000	8.808	6.000
JOINT 3159	-25.	23.	3.	-6.000	8.808	6.000
JOINT 3160	-22.	23.	3.	-6.000	8.808	6.000
JOINT 3161	-19.	23.	3.	-6.000	8.808	6.000
JOINT 3162	-16.	23.	3.	-6.000	8.808	6.000
JOINT 3163	-13.	23.	3.	-6.000	8.808	6.000
JOINT 3164	-10.	23.	3.	-6.000	8.808	6.000
JOINT 3165	-7.	23.	3.	-6.000	8.808	6.000
JOINT 3166	-45.	23.	3.		8.808	6.000
JOINT 3167	-6.	23.	3.		8.808	6.000
JOINT 3168	-48.	20.	0.	-6.000	2.808	-6.000
JOINT 3169	-43.	20.	0.	-6.000	2.808	-6.000
JOINT 3170	-40.	20.	0.	-6.000	2.808	-6.000
JOINT 3171	-37.	20.	0.	-6.000	2.808	-6.000
JOINT 3172	-34.	20.	0.	-6.000	2.808	-6.000
JOINT 3173	-31.	20.	0.	-6.000	2.808	-6.000
JOINT 3174	-28.	20.	0.	-6.000	2.808	-6.000
JOINT 3175	-25.	20.	0.	-6.000	2.808	-6.000
JOINT 3176	-22.	20.	0.	-6.000	2.808	-6.000
JOINT 3177	-19.	20.	0.	-6.000	2.808	-6.000
JOINT 3178	-16.	20.	0.	-6.000	2.808	-6.000
JOINT 3179	-13.	20.	0.	-6.000	2.808	-6.000
JOINT 3180	-10.	20.	0.	-6.000	2.808	-6.000
JOINT 3181	-7.	20.	0.	-6.000	2.808	-6.000
JOINT 3182	-2.	20.	0.	-6.000	2.808	-6.000
JOINT 3183	-43.	23.	0.	-6.000	8.808	-6.000
JOINT 3184	-40.	23.	0.	-6.000	8.808	-6.000
JOINT 3185	-37.	23.	0.	-6.000	8.808	-6.000
JOINT 3186	-34.	23.	0.	-6.000	8.808	-6.000
JOINT 3187	-31.	23.	0.	-6.000	8.808	-6.000
JOINT 3188	-28.	23.	0.	-6.000	8.808	-6.000
JOINT 3189	-25.	23.	0.	-6.000	8.808	-6.000
JOINT 3190	-22.	23.	0.	-6.000	8.808	-6.000
JOINT 3191	-19.	23.	0.	-6.000	8.808	-6.000
JOINT 3192	-16.	23.	0.	-6.000	8.808	-6.000
JOINT 3193	-13.	23.	0.	-6.000	8.808	-6.000

JOINT 3194	-10.	23.	0.	-6.000	8.808	-6.000	
JOINT 3195	-7.	23.	0.	-6.000	8.808	-6.000	
JOINT 3196	-6.	23.	0.		8.808	-6.000	
JOINT 3197	-45.	23.	0.		8.808	-6.000	
JOINT 3198	-43.	23.	-4.	-6.000	8.808	-0.996	
JOINT 3199	-40.	23.	-4.	-6.000	8.808	-0.996	
JOINT 3200	-37.	23.	-4.	-6.000	8.808	-0.996	
JOINT 3201	-34.	23.	-4.	-6.000	8.808	-0.996	
JOINT 3202	-31.	23.	-4.	-6.000	8.808	-0.996	
JOINT 3203	-28.	23.	-4.	-6.000	8.808	-0.996	
JOINT 3204	-25.	23.	-4.	-6.000	8.808	-0.996	
JOINT 3205	-19.	23.	-4.	-6.000	8.808	-0.996	
JOINT 3206	-22.	23.	-4.	-6.000	8.808	-0.996	
JOINT 3207	-16.	23.	-4.	-6.000	8.808	-0.996	
JOINT 3208	-13.	23.	-4.	-6.000	8.808	-0.996	
JOINT 3209	-10.	23.	-4.	-6.000	8.808	-0.996	
JOINT 3210	-7.	23.	-4.	-6.000	8.808	-0.996	
JOINT 3211	-48.	20.	-8.	-6.000	2.808	-6.000	
JOINT 3212	-2.	20.	-8.	-6.000	2.808	-6.000	
JOINT 3215	-45.	23.	-4.		8.808	-0.996	
JOINT 3216	-6.	23.	-4.		8.808	-0.996	
JOINT 3217	-40.	23.	-6.	-6.000	8.808	-9.000	
JOINT 3218	-37.	23.	-6.	-6.000	8.808	-9.000	
JOINT 3219	-34.	23.	-6.	-6.000	8.808	-9.000	
JOINT 3220	-31.	23.	-6.	-6.000	8.808	-9.000	
JOINT 3221	-28.	23.	-6.	-6.000	8.808	-9.000	
JOINT 3222	-25.	23.	-6.	-6.000	8.808	-9.000	
JOINT 3223	-22.	23.	-6.	-6.000	8.808	-9.000	
JOINT 3224	-19.	23.	-6.	-6.000	8.808	-9.000	
JOINT 3225	-13.	23.	-6.	-6.000	8.808	-9.000	
JOINT 3226	-10.	23.	-6.	-6.000	8.808	-9.000	
JOINT 3227	-16.	23.	-6.	-6.000	8.808	-9.000	
JOINT 3228	-43.	23.	-6.	-6.000	8.808	-9.000	
JOINT 3229	-7.	23.	-6.	-6.000	8.808	-9.000	
JOINT 3300	-42.	12.	10.	-6.000	7.500		
JOINT 3309	-42.	-12.	10.	-6.000	-7.500		
JOINT 3310	-18.	12.	10.	-3.000	7.500		
JOINT 3311	-18.	-12.	10.	-3.000	-7.500		
JOINT 3312	-37.	12.	10.	-10.128	7.500		
JOINT 3313	-37.	-12.	10.	-10.128	-7.500		
JOINT 3314	0.	-12.	10.		-7.500		
JOINT 3315	0.	12.	10.		7.500		
JOINT 3316	-14.	12.	10.	-2.100	7.500		
JOINT 3317	-4.	12.	10.	-2.256	7.500		
JOINT 3318	-14.	-12.	10.	-2.100	-7.500		
JOINT 3319	-4.	-12.	10.	-2.268	-7.500		
JOINT 3320	4.	12.	10.		7.500		
JOINT 3321	4.	-12.	10.		-7.500		
JOINT 3322	4.	9.	10.				
JOINT 3323	4.	3.	10.				
JOINT 3324	4.	-3.	10.				
JOINT 3325	4.	-9.	10.				
JOINT 3331	-35.	-15.	10.	-1.500	-7.500		
JOINT 3332	-35.	-18.	10.	-1.500	-10.500		
JOINT 3333	-35.	-20.	-27.	-1.500	-3.000		
JOINT 3334	-35.	-23.	-27.	-1.500	-5.400		
JOINT 3335	-35.	-26.	-49.	-1.500	-3.000		110001
JOINT 3500	-2.	20.	13.	-6.000	2.808		
JOINT 3501	-48.	20.	13.	-6.000	2.808		
JOINT 3561	4.	6.	10.				
JOINT 3562	6.	9.	10.	7.980			
JOINT 3563	10.	6.	10.				
JOINT 3564	6.	3.	10.	7.980			
JOINT 3565	4.	0.	10.				
JOINT 3566	10.	0.	10.				
JOINT 3567	6.	-3.	10.	7.980			
JOINT 3568	4.	-6.	10.				
JOINT 3569	10.	-6.	10.				
JOINT 3570	6.	-9.	10.	7.980			
JOINT 4000	-50.	6.	17.			9.000	
JOINT 4001	-53.	6.	17.			9.000	
JOINT 4002	-47.	6.	17.			9.000	
JOINT 4003	-3.	15.	29.	-3.000		6.000	
JOINT 4004	-6.	15.	29.	-3.000		6.000	
JOINT 4005	-9.	15.	29.	-3.000		6.000	
JOINT 4006	-12.	15.	29.	-3.000		6.000	
JOINT 4007	-15.	15.	29.	-3.000		6.000	
JOINT 4008	-18.	15.	29.	-3.000		6.000	
JOINT 4009	-3.	-15.	29.	-3.000		6.000	
JOINT 4010	-6.	-15.	29.	-3.000		6.000	
JOINT 4011	-9.	-15.	29.	-3.000		6.000	
JOINT 4012	-12.	-15.	29.	-3.000		6.000	
JOINT 4013	-15.	-15.	29.	-3.000		6.000	
JOINT 4014	-18.	-15.	29.	-3.000		6.000	
JOINT 4015	0.	9.	29.			6.000	
JOINT 4016	0.	3.	29.			6.000	
JOINT 4017	0.	-3.	29.			6.000	
JOINT 4018	0.	-9.	29.			6.000	
JOINT 4019	-6.	9.	29.	-3.000		6.000	
JOINT 4020	-6.	3.	29.	-3.000		6.000	
JOINT 4021	-6.	-3.	29.	-3.000		6.000	
JOINT 4022	-6.	-9.	29.	-3.000		6.000	
JOINT 4023	-12.	9.	29.	-3.000		6.000	
JOINT 4024	-12.	3.	29.	-3.000		6.000	
JOINT 4025	-12.	-3.	29.	-3.000		6.000	
JOINT 4026	-12.	-9.	29.	-3.000		6.000	
JOINT 4027	-18.	9.	29.	-3.000		6.000	
JOINT 4028	-18.	3.	29.	-3.000		6.000	
JOINT 4029	-18.	-3.	29.	-3.000		6.000	
JOINT 4030	-18.	-9.	29.	-3.000		6.000	
JOINT 4031	4.	9.	29.			6.000	
JOINT 4032	4.	3.	29.			6.000	
JOINT 4033	4.	-3.	29.			6.000	
JOINT 4034	4.	-9.	29.			6.000	
JOINT 4035	10.	9.	29.			6.000	

JOINT	4036	10.	3.	29.		6.000
JOINT	4037	10.	-3.	29.		6.000
JOINT	4038	10.	-9.	29.		6.000
JOINT	4039	-3.	9.	29.	-3.000	6.000
JOINT	4040	-3.	-9.	29.	-3.000	6.000
JOINT	4041	-9.	-9.	29.	-3.000	6.000
JOINT	4042	-15.	-9.	29.	-3.000	6.000
JOINT	4043	-15.	9.	29.	-3.000	6.000
JOINT	4044	-9.	9.	29.	-3.000	6.000
JOINT	4045	10.	0.	29.		6.000
JOINT	4046	0.	-15.	29.		6.000
JOINT	4047	0.	15.	29.		6.000
JOINT	4048	-47.	10.	17.		9.000
JOINT	4049	-50.	10.	17.		9.000
JOINT	4050	-53.	10.	17.		9.000
JOINT	4051	-52.	10.	17.	-3.000	9.000
JOINT	4052	-52.	6.	17.	-3.000	9.000
JOINT	4411	16.	9.	29.		6.000
JOINT	4412	16.	3.	29.		6.000
JOINT	4413	16.	-3.	29.		6.000
JOINT	4414	16.	-9.	29.		6.000
JOINT	4415	16.	0.	29.		6.000
JOINT	4416	13.	-3.	29.		6.000
JOINT	4417	16.	-6.	29.		6.000
JOINT	4418	13.	-9.	29.		6.000
JOINT	4419	10.	-6.	29.		6.000
JOINT	4420	13.	3.	29.		6.000
JOINT	4421	13.	9.	29.		6.000
JOINT	4422	16.	6.	29.		6.000
JOINT	4423	10.	6.	29.		6.000
JOINT	4424	13.	-6.	29.		6.000
JOINT	4425	13.	0.	29.		6.000
JOINT	4426	13.	6.	29.		6.000
JOINT	4501	-3.	3.	29.	-3.000	6.000
JOINT	4502	0.	6.	29.		6.000
JOINT	4503	-6.	6.	29.	-3.000	6.000
JOINT	4504	-9.	3.	29.	-3.000	6.000
JOINT	4505	-12.	6.	29.	-3.000	6.000
JOINT	4506	-15.	3.	29.	-3.000	6.000
JOINT	4507	-18.	6.	29.	-3.000	6.000
JOINT	4508	-15.	-3.	29.	-3.000	6.000
JOINT	4509	-18.	0.	29.	-3.000	6.000
JOINT	4510	-12.	0.	29.	-3.000	6.000
JOINT	4511	-9.	-3.	29.	-3.000	6.000
JOINT	4512	-6.	0.	29.	-3.000	6.000
JOINT	4513	-3.	-3.	29.	-3.000	6.000
JOINT	4514	0.	0.	29.		6.000
JOINT	4515	0.	-6.	29.		6.000
JOINT	4516	-6.	-6.	29.	-3.000	6.000
JOINT	4517	-12.	-6.	29.	-3.000	6.000
JOINT	4518	-18.	-6.	29.	-3.000	6.000
JOINT	4519	-15.	-6.	29.	-3.000	6.000
JOINT	4520	-9.	-6.	29.	-3.000	6.000
JOINT	4521	-3.	-6.	29.	-3.000	6.000
JOINT	4522	-3.	0.	29.	-3.000	6.000
JOINT	4523	-9.	0.	29.	-3.000	6.000
JOINT	4524	-15.	0.	29.	-3.000	6.000
JOINT	4525	-15.	6.	29.	-3.000	6.000
JOINT	4526	-9.	6.	29.	-3.000	6.000
JOINT	4527	-3.	6.	29.	-3.000	6.000
JOINT	4528	6.	9.	29.	7.980	6.000
JOINT	4529	4.	6.	29.		6.000
JOINT	4530	6.	3.	29.	7.980	6.000
JOINT	4531	6.	-3.	29.	7.980	6.000
JOINT	4532	4.	0.	29.		6.000
JOINT	4533	4.	-6.	29.		6.000
JOINT	4534	6.	-9.	29.	7.980	6.000
JOINT	4535	6.	-6.	29.	7.980	6.000
JOINT	4536	6.	0.	29.	7.980	6.000
JOINT	4537	6.	6.	29.	7.980	6.000
JOINT	5000	-50.	15.	27.		222000
JOINT	5001	-50.	-15.	27.		222000
JOINT	5002	-47.	15.	27.		
JOINT	5003	-44.	15.	27.		
JOINT	5004	-41.	15.	27.		
JOINT	5005	-47.	-15.	27.		
JOINT	5006	-44.	-15.	27.		
JOINT	5007	-41.	-15.	27.		
JOINT	5008	-38.	15.	27.	-3.996	
JOINT	5009	-38.	-15.	27.	-3.996	
JOINT	5010	-35.	15.	27.	-3.000	
JOINT	5011	-35.	-15.	27.	-3.000	
JOINT	5012	-32.	15.	27.		
JOINT	5013	-32.	-15.	27.		
JOINT	5014	-29.	15.	27.		
JOINT	5015	-29.	-15.	27.		
JOINT	5016	-26.	15.	27.		
JOINT	5017	-26.	-15.	27.		
JOINT	5018	-23.	15.	27.		
JOINT	5019	-23.	-15.	27.		
JOINT	5020	-19.	15.	27.	-6.000	
JOINT	5021	-19.	-15.	27.	-6.000	
JOINT	5022	-54.	-6.	27.	-6.000	
JOINT	5023	-50.	10.	27.		
JOINT	5024	-50.	6.	27.		
JOINT	5025	-50.	2.	27.		
JOINT	5026	-50.	-2.	27.		
JOINT	5027	-50.	-6.	27.		
JOINT	5028	-50.	-9.	27.		
JOINT	5029	-54.	-9.	27.	-6.000	
JOINT	5034	-68.	-6.	27.	-4.500	
JOINT	5037	-56.	14.	27.		
JOINT	5038	-56.	10.	27.		
JOINT	5039	-56.	6.	27.		
JOINT	5040	-56.	2.	27.		

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JOINT 5041    -56.    -2.    27.
JOINT 5042    -56.    -6.    27.
JOINT 5043    -50.     0.    27.
JOINT 5044    -47.     0.    27.
JOINT 5045    -44.     0.    27.
JOINT 5046    -41.     0.    27.
JOINT 5047    -38.     0.    27. -3.996
JOINT 5048    -35.     0.    27. -3.000
JOINT 5049    -32.     0.    27.
JOINT 5050    -29.     0.    27.
JOINT 5051    -26.     0.    27.
JOINT 5052    -23.     0.    27.
JOINT 5053    -19.     0.    27. -6.000
JOINT 5054    -53.    10.    27.
JOINT 5055    -53.     6.    27.
JOINT 5057    -47.    19.    27.         8.748
JOINT 5058    -44.    19.    27.         8.748
JOINT 5060    -47.    10.    27.
JOINT 5061    -47.     6.    27.
JOINT 5062    -47.     2.    27.
JOINT 5063    -47.    -2.    27.
JOINT 5064    -47.    -6.    27.
JOINT 5065    -65.    12.    27.         6.000
JOINT 5073    -59.     9.    27.         9.000
JOINT 5075    -59.     2.    27.
JOINT 5076    -65.     9.    27.         9.000
JOINT 5077    -65.     5.    27.         2.196
JOINT 5078    -65.     2.    27.
JOINT 5079    -65.    -2.    27.
JOINT 5084    -65.   -13.    27.
JOINT 5085    -65.   -24.    27.
JOINT 5088    -65.   -17.    27.        -6.000
JOINT 5089    -59.    22.    27.
JOINT 5090    -65.    22.    27.
JOINT 5091    -52.   -24.    27.
JOINT 5092    -52.   -17.    27.        -6.000
JOINT 5093    -59.    18.    27.
JOINT 5094    -65.    18.    27.
JOINT 5095    -68.   -24.    27.
JOINT 5096    -68.   -17.    27.        -6.000
JOINT 5097    -68.   -13.    27.
JOINT 5102    -68.    -2.    27.
JOINT 5103    -68.     2.    27.
JOINT 5104    -68.     5.    27.         2.196
JOINT 5105    -68.     9.    27.         9.000
JOINT 5106    -68.    12.    27.         6.000
JOINT 5107    -68.    18.    27.
JOINT 5108    -68.    22.    27.
JOINT 5112    -56.   -24.    27. -6.000
JOINT 5114    -57.    22.    27.
JOINT 5115    -57.    18.    27.
JOINT 5127    -52.    -9.    27.
JOINT 6001    -50.   -15.    12. -3.348 -3.348  9.240
JOINT 6002      0.   -15.    12.        -3.312  9.240
JOINT 6003    -50.    15.    12. -3.348  3.348  9.240
JOINT 6004      0.    15.    12.         3.312  9.240
JOINT 7011    -41.   -37.    58.        -3.960  6.000
JOINT 7016    -23.   -37.    58.        -3.960  6.000
JOINT 7200    -55.    15.    58.                6.000
JOINT 7500    -63.    15.    58. -6.000         6.000
JOINT 7550    -41.   -29.    58.        -9.960  6.000
JOINT 7861    -56.    -1.    58.                6.000
JOINT 8000    -68.    29.    58.         9.960  6.000
JOINT 8001    -71.    29.    58.         9.960  6.000
JOINT 8002    -73.    29.    58. -3.000  9.960  6.000
JOINT 8003    -77.    29.    58.         9.960  6.000
JOINT 8004    -68.    27.    58.                6.000
JOINT 8005    -71.    27.    58.                6.000
JOINT 8006    -73.    27.    58. -3.000         6.000
JOINT 8007    -77.    27.    58.                6.000
JOINT 8013    -71.   -27.    58.                6.000
JOINT 8014    -73.   -27.    58. -3.000         6.000
JOINT 8015    -77.   -27.    58.                6.000
JOINT 8016    -68.    15.    58.                6.000
JOINT 8017    -71.    15.    58.                6.000
JOINT 8019    -77.    15.    58.                6.000 222000
JOINT 8020    -68.   -15.    58.                6.000
JOINT 8021    -71.   -15.    58.                6.000
JOINT 8023    -77.   -15.    58.                6.000 222000
JOINT 8501    -68.   -82.   145.        -6.816  0.888
JOINT 8502    -71.   -87.   142. -0.996 -1.536  6.984
JOINT 8503    -64.   -87.   142.-11.004 -1.536  6.984
JOINT 8504    -68.   -35.    62.        -0.828  9.624
JOINT 8505    -68.   -45.    80.        -0.816  1.464
JOINT 8506    -68.   -53.    94.        -6.816 10.140
JOINT 8507    -68.   -61.   107.        -0.816 10.020
JOINT 8508    -68.   -67.   119.        -6.816  1.128
JOINT 8509    -68.   -72.   127.        -6.816  9.048
JOINT 8510    -68.   -77.   136.        -6.816  4.968
JOINT 8511    -75.   -46.    56.-10.632 -3.624  5.556
JOINT 8512    -60.   -46.    56. -1.368 -3.624  5.556
JOINT 8513    -74.   -54.    74.-10.500-10.752  7.104
JOINT 8514    -61.   -54.    74. -1.500-10.752  7.104
JOINT 8515    -74.   -62.    90. -0.180 -2.436  0.048
JOINT 8516    -61.   -62.    90.-11.820 -2.436  0.048
JOINT 8517    -73.   -68.   103. -3.084 -7.788  7.224
JOINT 8518    -62.   -68.   103. -8.916 -7.788  7.224
JOINT 8519    -72.   -74.   115. -7.200 -2.820  4.632
JOINT 8520    -63.   -74.   115. -4.800 -2.820  4.632
JOINT 8521    -72.   -78.   124. -1.128 -6.396  5.436
JOINT 8522    -63.   -78.   124.-10.872 -6.396  5.436
JOINT 8523    -71.   -82.   133. -7.068 -9.948  6.180
JOINT 8524    -64.   -82.   133. -4.932 -9.948  6.180
JOINT 8537    -68.   -87.   152.        -0.996 10.752
JOINT 8560    -72.   -87.   142. -7.620 -1.536  6.984
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JOINT	8562	-72.	-87.	143.	-7.620	-9.252	11.244
JOINT	8563	-72.	-86.	141.	-7.620	-5.820	2.724
JOINT	9000	-50.	27.	72.			6.252
JOINT	9001	3.	-15.	38.	3.960		
JOINT	9002	3.	-9.	38.	3.960		
JOINT	9003	3.	-6.	38.	3.960		
JOINT	9004	3.	-3.	38.	3.960		
JOINT	9005	3.	0.	38.	3.960		
JOINT	9006	3.	3.	38.	3.960		
JOINT	9007	3.	6.	38.	3.960		
JOINT	9008	3.	15.	38.	3.960		
JOINT	9018	3.	27.	38.	3.960		
JOINT	9021	6.	9.	38.	7.956		
JOINT	9022	6.	15.	38.	7.956		
JOINT	9024	10.	-15.	38.			
JOINT	9025	10.	-9.	38.			
JOINT	9026	10.	-6.	38.			
JOINT	9027	10.	-3.	38.			
JOINT	9028	10.	0.	38.			
JOINT	9029	10.	3.	38.			
JOINT	9030	10.	6.	38.			
JOINT	9031	10.	9.	38.			
JOINT	9032	10.	15.	38.			
JOINT	9033	10.	27.	38.			
JOINT	9050	3.	9.	38.	3.960		
JOINT	9054	6.	-9.	38.	7.956		
JOINT	9055	6.	-6.	38.	7.956		
JOINT	9056	6.	-3.	38.	7.956		
JOINT	9060	6.	0.	38.	7.956		
JOINT	9061	6.	3.	38.	7.956		
JOINT	9100	6.	6.	38.	7.956		
JOINT	9201	16.	15.	58.			6.000
JOINT	9202	16.	9.	58.			6.000
JOINT	9203	16.	3.	58.			6.000
JOINT	9204	16.	-3.	58.			6.000
JOINT	9205	16.	-9.	58.			6.000
JOINT	9206	16.	-15.	58.			6.000
JOINT	9301	16.	10.	38.	6.000		
JOINT	9303	16.	-10.	38.	-4.380		
JOINT	9304	16.	-9.	38.			
JOINT	9305	16.	-6.	38.			
JOINT	9306	16.	-3.	38.			
JOINT	9307	16.	0.	38.			
JOINT	9308	16.	3.	38.			
JOINT	9309	16.	6.	38.			
JOINT	9310	16.	9.	38.			
JOINT	9311	13.	9.	38.			
JOINT	9312	13.	6.	38.			
JOINT	9313	13.	3.	38.			
JOINT	9314	13.	0.	38.			
JOINT	9315	13.	-3.	38.			
JOINT	9316	13.	-6.	38.			
JOINT	9317	13.	-9.	38.			
JOINT	9501	10.	-9.	10.			
JOINT	9502	10.	-3.	10.			
JOINT	9503	10.	3.	10.			
JOINT	9504	10.	9.	10.			
JOINT	9505	10.	12.	10.	7.500		
JOINT	9506	10.	-12.	10.	-7.500		
JOINT	9507	13.	-6.	10.			
JOINT	9508	13.	0.	10.			
JOINT	9509	13.	6.	10.			
JOINT	9521	16.	12.	10.	7.500		
JOINT	9522	16.	9.	10.			
JOINT	9523	16.	3.	10.			
JOINT	9524	16.	-3.	10.			
JOINT	9525	16.	-9.	10.			
JOINT	9526	16.	-12.	10.	-7.500		
JOINT	9901	13.	-6.	-49.			PILEHD
JOINT	9903	13.	0.	-49.			PILEHD
JOINT	9905	13.	6.	-49.			PILEHD
JOINT	9911	19.	12.	10.	7.500		
JOINT	9912	19.	9.	10.			
JOINT	9913	19.	3.	10.			
JOINT	9914	19.	-3.	10.			
JOINT	9915	19.	-9.	10.			
JOINT	9916	19.	-12.	10.	-7.500		
JOINT	9917	0.	15.	19.			0.252
JOINT	9918	0.	-15.	19.			0.252