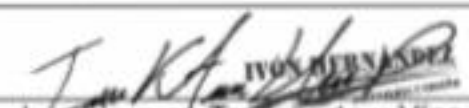
IVÓN HERNÁNDEZ

INGENIERÍA Y DISEÑO

MUNICIPIO DE CALDAS
BOYACÁ

DISEÑO GEOMÉTRICO
TRAMO 2 VEREDA QUIPE

CALDAS, NOVIEMBRE DE 2024

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1. INTRODUCCIÓN

El presente informe constituye el resultado del estudio y análisis realizado para el diseño geométrico del tramo 2 ubicado en la Vereda Quipe, en el municipio de Caldas, departamento de Boyacá, con el objetivo de mejorar la accesibilidad y seguridad vial en la zona. Este proyecto responde a la necesidad de optimizar la infraestructura vial en áreas rurales, facilitando el transporte de productos agrícolas, el acceso a servicios básicos y el desarrollo socioeconómico de la comunidad.

El diseño geométrico de la vía se fundamenta en un enfoque integral que considera las características topográficas del terreno, el flujo de tráfico vehicular, los estándares de seguridad vial y las necesidades de los usuarios. Se han aplicado metodologías y criterios técnicos actualizados para garantizar la eficiencia, durabilidad y sostenibilidad de la infraestructura vial propuesta.

Siguiendo las directrices establecidas en la guía de construcción de pavimentos tipo placa huella, se determina que esta alternativa no implica alterar el trazado actual, dado que se trata de vías terciarias con bajos niveles de tráfico y velocidades reducidas. El proyecto se compromete a mantener la integridad del alineamiento vial existente, adaptando los elementos geométricos del diseño a esta configuración preexistente. Se efectuará una evaluación del diseño conforme a los criterios definidos en la guía, con énfasis en la seguridad, la comodidad, la funcionalidad, la viabilidad económica y la armonización con el entorno circundante.

A lo largo de este informe, se detallarán los aspectos técnicos del diseño geométrico, incluyendo la configuración de la vía, los parámetros de alineación y pendientes, las secciones transversales. Este documento constituye una herramienta fundamental para la planificación y ejecución de obras viales que contribuyan al desarrollo integral de la región.

2. OBJETIVOS

- Exponer las diferentes consideraciones y criterios básicos de diseño de acuerdo a la normativa vigente utilizados para llevar a cabo el diseño geométrico del tramo 2 ubicado en la vereda Quipe del Municipio de Caldas, Boyacá.

- Realizar el diseño Geométrico del tramo vial con todos los elementos del diseño en planta, perfil y sección transversal.

- Obtener cantidades de movimientos de tierra que permitan elaborar el presupuesto para este corredor.

- Generar reportes y carteras de diseño con el fin de realizar la materialización y validación del ajuste al diseño geométrico proyectado.

- Elaborar los planos de planta perfil y sección transversal.

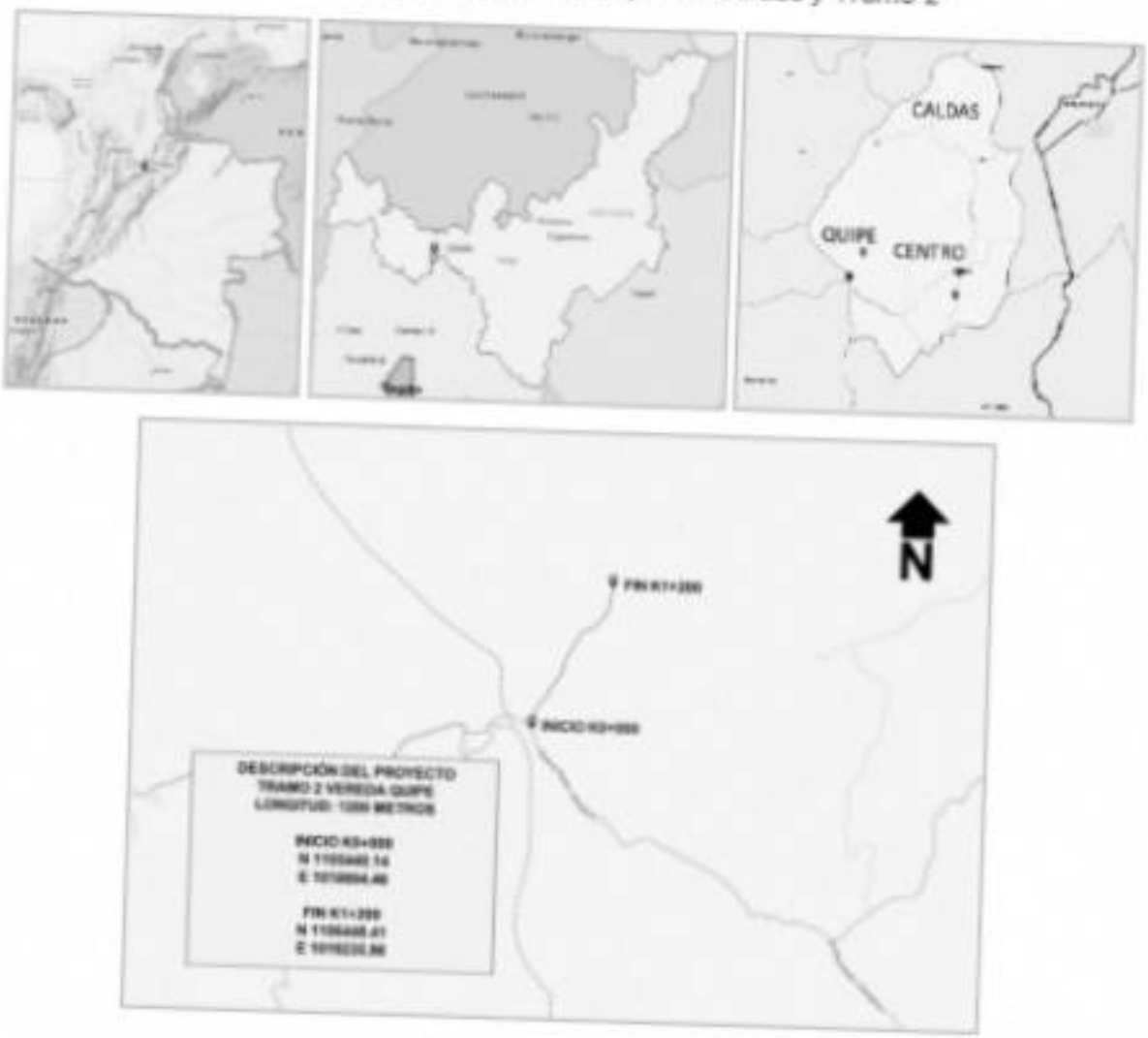
3. GENERALIDADES

Con el fin de generar soluciones a la problemática de movilidad de las zonas rurales del municipio de Caldas, se plantea la construcción de tramos de placa huellas en las zonas críticas, esto con el fin de mejorar la comunicación terrestre, el presente informe considera el tramo No. 2.

3.1. LOCALIZACIÓN DEL PROYECTO

El proyecto se encuentra ubicado en el municipio de Caldas en el departamento de Boyacá, en el sector rural este municipio se encuentra ubicado en la provincia occidente.

Ilustración 1 Localización Municipio de Caldas y Tramo 2

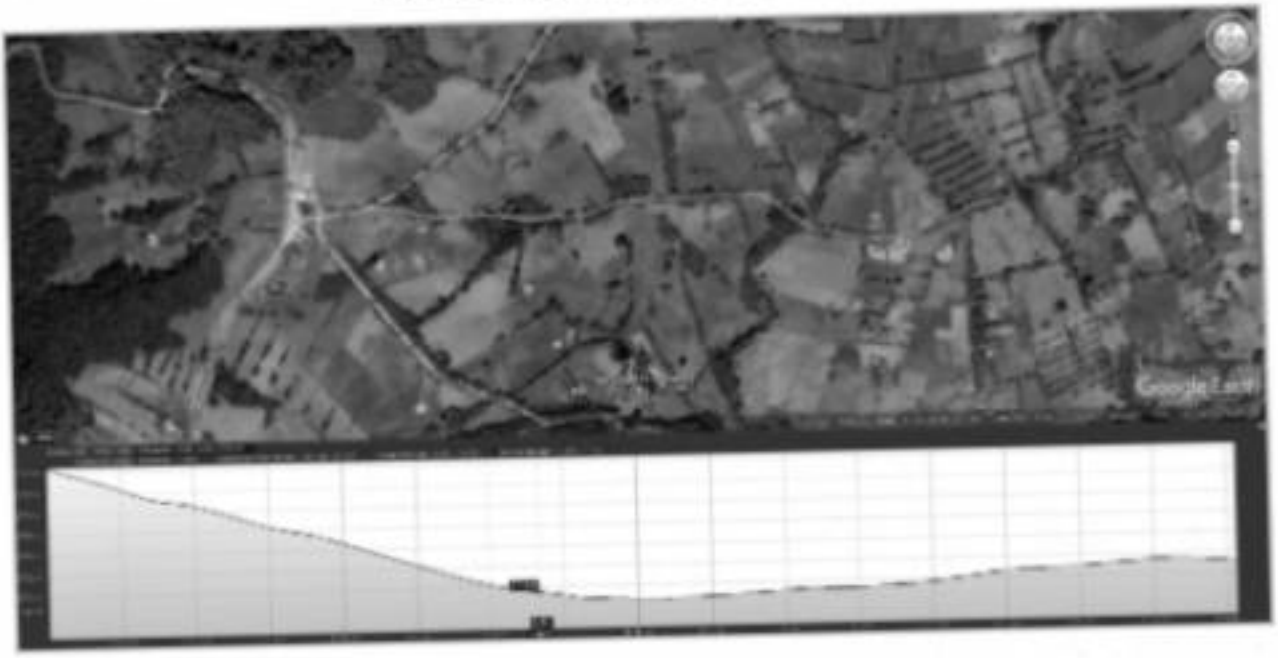


Fuente: Elaboración propia.

3.2. CARACTERÍSTICAS DEL CORREDOR VIAL

En lo que respecta a la geometría del corredor vial, este cuenta con un ancho de calzada promedio de 5 metros, con una capa de rodadura en tierra y material de afirmado, el trazado existente de la vía presenta un número considerable de curvas verticales y horizontales en los 1200 metros, cuenta con pendientes altas, entretagencias cortas lo que hace que cumpla con requisitos para la construcción de pavimento tipo placa huella.

Ilustración 2 Características del tramo



Fuente: Google earth

4. CRITERIOS DE DISEÑO

De acuerdo con las condiciones topográficas de la zona de intervención del proyecto se decide realizar un diseño geométrico utilizando el trazado existente, ajustando el trazado horizontal para conocer características de deflexión y radio de curvatura, y ajustes en el trazado vertical, además teniendo en cuenta los sobreanchos que están en función de las deflexiones y radios de las curvas horizontales.

4.1. NORMATIVIDAD APLICABLE

- Manual de Diseño Geométrico de Carreteras – 2008 Instituto Nacional de Vías (INVÍAS).
- Guía de Diseño de Pavimentos con Placa-huella – 2015 Instituto Nacional de Vías (INVÍAS).
- Cartilla de obras menores de drenaje y estructuras viales – 2019 Instituto Nacional de Vías (INVÍAS).

A continuación, se describen los principales parámetros horizontales, verticales y transversales a tener en consideración en el diseño geométrico.

4.2. CLASIFICACIÓN SEGÚN EL TIPO DE TERRENO

Según el numeral 1.2.2. del manual de diseño geométrico del INVIAS por el tipo de terreno y pendientes encontradas, se trata de un terreno escarpado.

4.3. VELOCIDAD DE DISEÑO

Velocidad guía que permite definir las características geométricas mínimas de todos los elementos del trazado en condiciones de comodidad y seguridad.

La velocidad de diseño del trazado debe tener en cuenta la seguridad de los usuarios de la vía, evitando cambios bruscos de velocidad durante el recorrido.

La selección de la velocidad de diseño depende de los radios de giro y del peralte disponible, factores que han sido ampliamente estudiados por organismos internacionales; Para el presente estudio se acogen las recomendaciones del manual de diseño geométrico.

Tabla 1 Velocidad de diseño

Valores de la Velocidad de Diseño de los Tramos Homogéneos (V_{TH}) en función de la categoría de la carretera y el tipo de terreno

CATEGORIA DE LA CARRETERA	TIPO DE TERRENO	VELOCIDAD DE DISEÑO DE UN TRAMO HOMOGENEO V_{TH} (km/h)									
		20	30	40	50	60	70	80	90	100	110
Primaria de dos calzadas	Plano										
	Ondulado										
	Montañoso										
	Escarpado										
Primaria de una calzada	Plano										
	Ondulado										
	Montañoso										
	Escarpado										
Secundaria	Plano										
	Ondulado										
	Montañoso										
	Escarpado										
Terciaria	Plano										
	Ondulado										
	Montañoso										
	Escarpado										

Fuente: Manual de Diseño Geométrico de Carreteras – INVIAS, 2008

Teniendo en cuenta que es una vía terciaria y no se pueden realizar muchos cambios en el trazado, por lo tanto, se establece una velocidad de diseño de 20 Km/h.

4.4. VEHÍCULO DE DISEÑO

De acuerdo al estudio de volúmenes de tránsito realizado, se define que El vehículo de diseño se define de la guía de construcción de pavimento tipo placa huella, para este tipo de pavimentos se determina que el vehículo de diseño es el camión C3, vehículo que se encuentra designado como camión de tres ejes (eje delantero sencillo, eje trasero tándem doble) en la resolución 4100 del 2004 emanada por el Ministerio de Transporte de Colombia.

La definición del vehículo de diseño precisa la ubicación del vehículo tanto longitudinalmente como transversalmente en el trazado de la carretera. También define las dimensiones de los carriles, calzadas y sobreanchos de la sección transversal.

Debido al sistema de falla del pavimento tipo placa huella se define este tipo de vehículo como el indicado para el diseño.

Ilustración 3 Vehículo de diseño

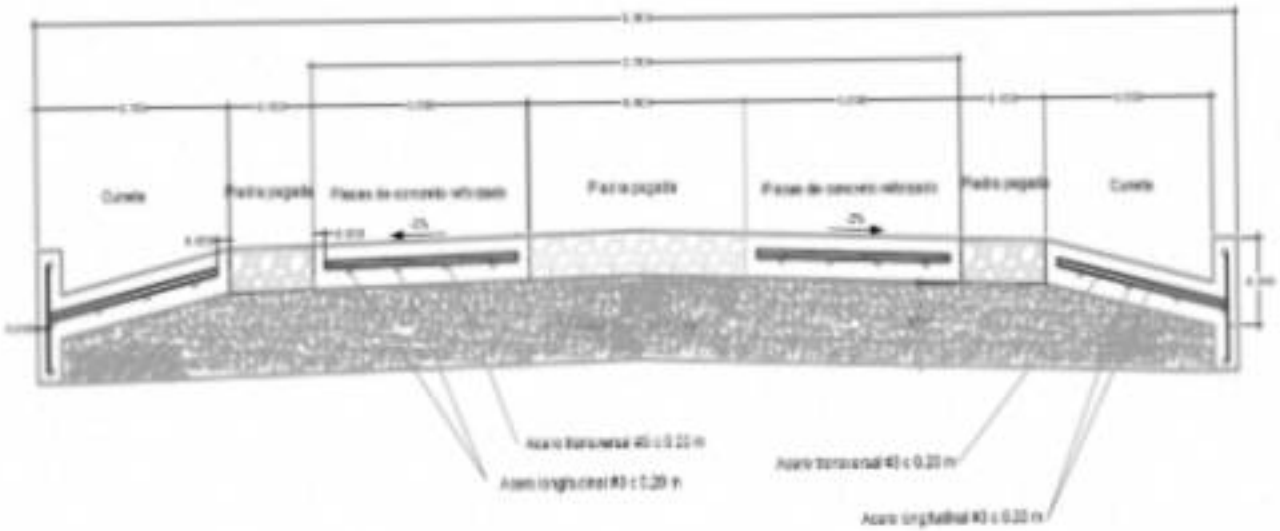
3		Camión de tres ejes Doblletroque

Fuente: Ministerio de Transporte, Resolución 004100 del 28 de diciembre de 2004, límites de pesos y dimensiones en los vehículos de transporte terrestre automotor de carga, Bogotá D.C 2004.

4.5. ANCHO DE CALZADA Y ESTRUCTURA DE PAVIMENTO

De acuerdo al diseño de pavimento, El ancho de calzada adoptado corresponde al indicado en la Cartilla de obras menores de drenaje y estructuras viales del INVIAS, tomando 45 cm de concreto ciclópeo a lado y lado de las huellas.

Ilustración 4 Sección transversal y estructura de pavimento



Fuente: Diseño de pavimento.

4.6. TALUDES DE DISEÑO

En la siguiente tabla se muestran las recomendaciones geotécnicas para el diseño de los taludes. Dada la condición de no modificar la geometría de la vía, es común el uso de taludes totalmente verticales para evitar afectaciones prediales.

Tabla 2 Taludes de diseño.

Talud	Geometría
Taludes de Corte	0.50H :1.0V
Taludes de Terraplén	1.5H :1.0V

Fuente: Elaboración propia.

4.1. PENDIENTE TRANSVERSAL

En las secciones de entre tangencia, se determinan las pendientes denominadas bombeo los cuales se determinan de acuerdo con el diseño geométrico del INVÍAS.

Tabla 3 Pendiente transversal

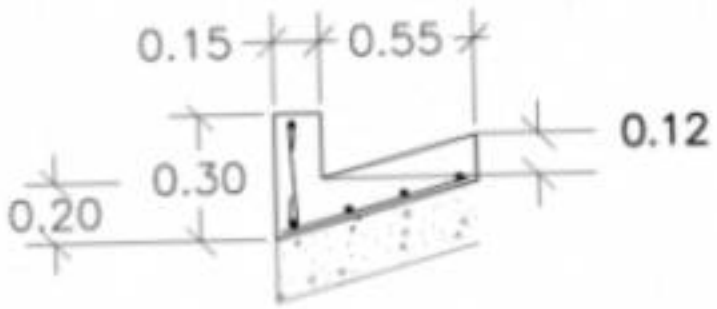
TIPO DE SUPERFICIE DE RODADURA	BOMBEO (%)
Superficie de concreto hidráulico o asfáltico	2
Tratamientos superficiales	2 – 3
Superficie de tierra o grava	2 – 4

Fuente: Manual de Diseño Geométrico de Carreteras – INVIAS, 2008

4.1. CUNETAS

De acuerdo al estudio hidrológico la sección de la cuneta-bordillo es la siguiente:

Ilustración 5 Sección de cuneta



Fuente: Cartilla de obras menores de drenaje y estructuras viales – INVIAS, 2019.

4.2. PENDIENTE LONGITUDINAL MÍNIMA.

Siguiendo lo indicado en el Manual de Diseño Geométrico de Carreteras 2008 del Ministerio de Transporte en su numeral 4.1.1 la pendiente mínima que garantiza el adecuado funcionamiento de las cunetas debe ser de cero puntos cinco por ciento (±0.50%) como pendiente mínima deseable y cero puntos tres por ciento (±0.30%) para diseño en terreno plano o sitios donde no es posible el diseño con la pendiente mínima deseable.

4.3. PENDIENTE LONGITUDINAL MÁXIMA.

Siguiendo lo indicado en el Manual de Diseño Geométrico de Carreteras 2008 del Ministerio de Transporte en su numeral 4.1.2, Tabla 4.2 y teniendo en cuenta la velocidad de diseño, Vd = 20 Km/h, se tomó como pendiente longitudinal máxima: ±14%.

Tabla 4 Pendiente longitudinal máxima

CATEGORÍA DE LA CARRETERA	VELOCIDAD ESPECIFICA DE LA TANGENTE VERTICAL V_{TV} (km/h)											
	20	30	40	50	60	70	80	90	100	110	120	130
Primaria de dos calzadas	-	-	-	-	-	6	6	6	5	5	4	4
Primaria de una calzada	-	-	-	-	8	7	6	6	5	5	5	-
Secundaria	-	-	10	9	8	7	6	6	6	-	-	-
Terciaria	14	12	10	10	10	-	-	-	-	-	-	-

Fuente: Manual de Diseño Geométrico de Carreteras – INVIAS, 2008

Debido a la topografía del terreno se aumenta en un 2% diseñando curvas verticales consecutivas,

4.4. PARÁMETROS CURVAS VERTICALES.

Siguiendo lo indicado en el Manual de Diseño Geométrico de Carreteras 2008 del Ministerio de Transporte en su numeral 4.2.3; Tabla 3 "Valores de Kmín. Para el control de distancias de visibilidad de parada y longitudes mínimas según criterio de operación en curvas verticales." y teniendo en cuenta a velocidad de diseño, Vd.=20 Km/h, se tomó para las curvas convexas y cóncavas los siguientes valores de Amín:

Tabla 5 Valores de K

VELOCIDAD ESPECIFICA V_{ES} (km/h)	DISTANCIA DE VISIBILIDAD DE PARADA (m)	VALORES DE K_{min}				LONGITUD MÍNIMA SEGÚN CRITERIO DE OPERACIÓN (m)
		CURVA CONVEXA		CURVA CÓNCAVA		
		CALCULADO	REDONDEADO	CALCULADO	REDONDEADO	
20	20	0.6	1.0	2.1	3.0	20 [1]
30	35	1.9	2.0	5.1	6.0	20 [1]
40	50	3.8	4.0	8.5	9.0	24
50	65	6.4	7.0	12.2	13.0	30
60	85	11.0	11.0	17.3	18.0	36
70	105	16.8	17.0	22.6	23.0	42
80	130	25.7	26.0	29.4	30.0	48
90	160	38.9	39.0	37.6	38.0	54
100	185	52.0	52.0	44.6	45.0	60
110	220	73.6	74.0	54.4	55.0	66
120	250	95.0	95.0	62.8	63.0	72
130	285	123.4	124.0	72.7	73.0	78

[1] La adopción de este valor tiene como finalidad garantizar unas mínimas condiciones de estética a las carreteras, y por consiguiente de comodidad para los usuarios.

Fuente: Manual de Diseño Geométrico de Carreteras – INVIAS, 2008

Para garantizar drenajes se adoptó como límite superior K máx. = 50. En curvas cóncavas o convexas con pendientes de diferente sentido. Cuando la curva une alineamientos verticales con pendiente longitudinal con igual signo (Ambas ascendentes o descendentes) se puede emplear valores de K mayores de 50.

5. DISEÑO GEOMÉTRICO

Como insumo básico para el diseño se tomó la topografía suministrada, con esta y haciendo uso del software civil 3d se realizó el trazado.

Todos los componentes geométricos deben interactuar de manera cohesionada para garantizar condiciones de circulación óptimas, que cumplan con los estándares de seguridad requeridos. El alineamiento horizontal se compone de secciones tanto curvas como rectas. En lo que respecta a las curvas, estas se clasifican según su deflexión y radio de curvatura, parámetros que son determinados durante el trazado inicial.

En el diseño actual, se han empleado diversas curvas para ajustarse al trazado preexistente de la vía. A continuación, se presenta una tabla detallando los parámetros establecidos para cada curva:

Tabla 6 Tabla de curvas y segmentos

ALINEACION QUIPE				
Number	Radius	Length	Line/Chord Direction	A Value
L1		12.85	N22° 28' 47.22"W	
C1	178.81	10.95	N24° 14' 05.26"W	
L2		5.10	N25° 59' 23.30"W	
C2	46.95	39.56	N1° 51' 02.99"W	
L14		32.85	N22° 17' 17.31"E	
C3	83.70	25.56	N31° 02' 18.51"E	
L3		1.86	N39° 47' 19.73"E	
C4	39.61	11.39	N31° 33' 03.12"E	
L4		35.66	N23° 18' 46.51"E	
C5	72.90	32.28	N35° 59' 47.13"E	
L16		26.22	N48° 40' 47.75"E	
C6	93.77	39.38	N38° 38' 53.16"E	
L15		54.81	N24° 36' 58.57"E	
C7	72.18	39.19	N40° 10' 14.08"E	
L5		4.31	N55° 43' 29.59"E	
C8	43.34	30.05	N35° 51' 35.03"E	
L6		10.22	N15° 59' 40.48"E	
C9	178.06	31.33	N24° 15' 04.71"E	
L17		39.01	N32° 30' 28.94"E	
C10	47.57	29.45	N14° 46' 08.06"E	

ALINEACION QUIPE				
Number	Radius	Length	Line/Chord Direction	A Value
L7		6.53	N2° 58' 12.81"W	
C11	74.42	40.03	N12° 26' 29.87"E	
L18		94.50	N27° 51' 12.55"E	
C12	127.02	19.48	N32° 14' 49.51"E	
L8		2.07	N36° 38' 26.48"E	
C13	112.98	22.47	N30° 56' 33.48"E	
L9		21.57	N25° 14' 40.47"E	
L10		43.39	N25° 35' 46.37"E	
C14	48.68	44.16	N5° 35' 39.20"E	
L11		2.33	N77° 35' 32.04"E	
C15	167.54	51.73	N68° 44' 48.29"E	
L12		2.04	N59° 54' 04.55"E	
C16	83.34	32.57	N48° 42' 17.44"E	
L13		4.43	N37° 30' 30.33"E	
C17	385.22	55.63	N41° 38' 42.74"E	
L19		26.20	N45° 46' 55.15"E	
C18	76.92	38.17	N31° 33' 52.63"E	
L21		6.08	N17° 20' 50.10"E	
C20	90.61	17.58	N22° 54' 17.77"E	
L22		7.60	N28° 27' 45.43"E	

ALINEACION QUIPE				
Number	Radius	Length	Line/Chord Direction	A Value
C19	108.31	44.69	N16° 38' 31.84"E	
L20		20.30	N4° 49' 18.26"E	
L23		36.50	N3° 32' 47.06"E	
C21	223.04	26.54	N6° 57' 20.41"E	
L24		7.39	N10° 21' 53.76"E	

Fuente: Elaboración propia.

Luego de obtener el perfil del terreno se determinó un perfil de rasante, el cual dará el nivel a la superficie de rodadura.

Se implementó el diseño de sobreanchos de acuerdo a la Cartilla de obras menores de drenaje y estructuras viales del Instituto Nacional de Vías (INVÍAS).

Se evaluaron los puntos de empalme con accesos a predios o vías adyacentes.

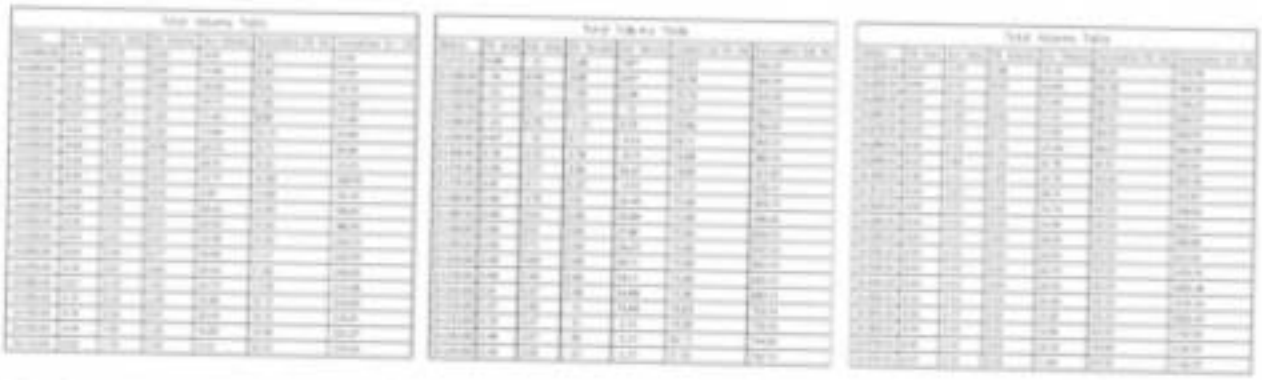
Ilustración 6 Diseño geométrico

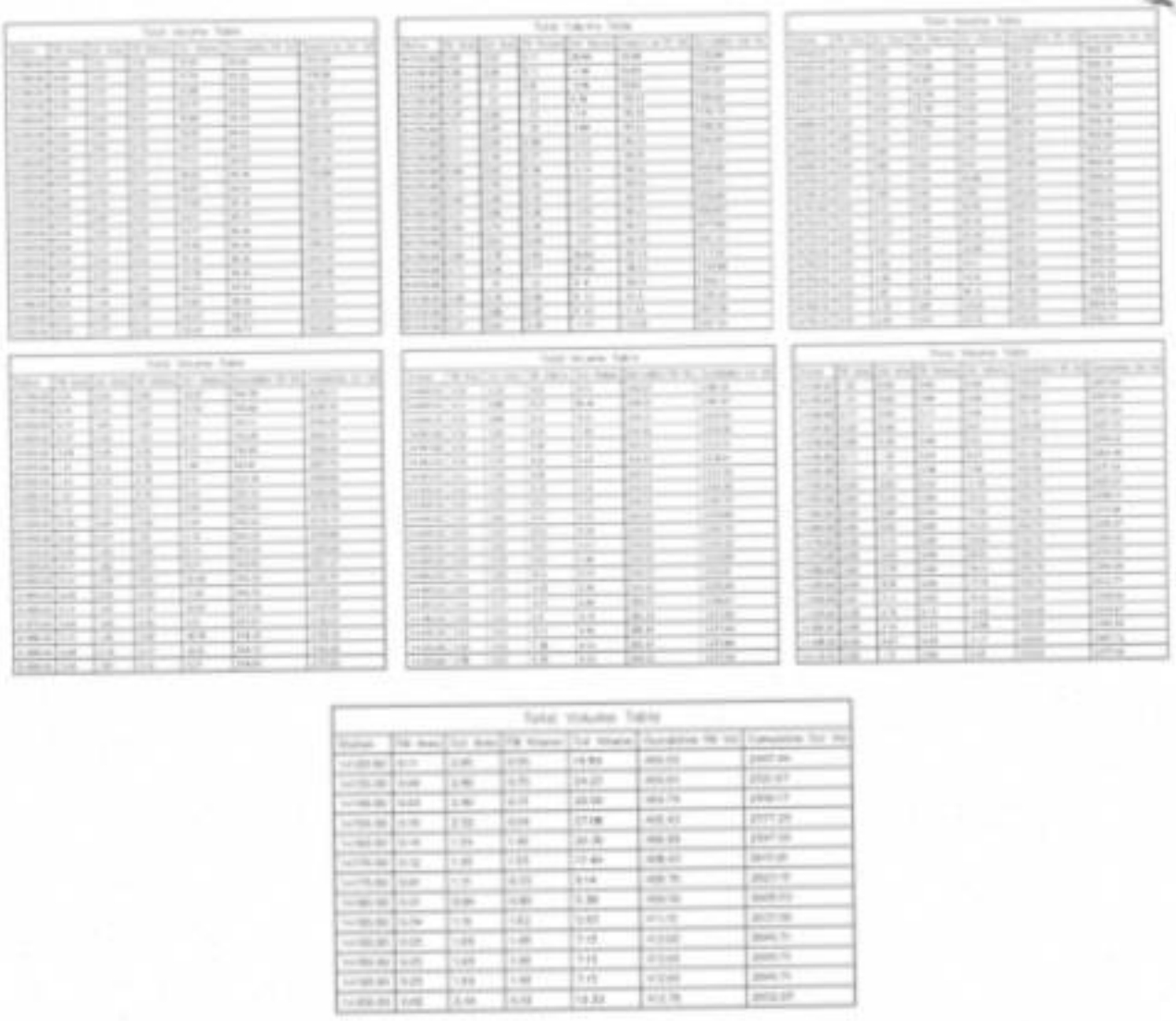


Fuente: Elaboración propia.

Una vez dispuesto los diseños se extrajeron las secciones y los volúmenes de corte y relleno, generando las carteras para la nivelación.

Tabla 7 Volúmenes de Corte y relleno





Fuente: Elaboración propia.

6. CONCLUSIONES Y RECOMENDACIONES

- Se definió como velocidad de diseño 20 km/h.
- El corredor se diseñó buscando no alterar la geometría existente de la vía, evitando las afectaciones prediales, es por esto que no se llevó a cabo rectificaciones agresivas de curvas, cambios de radios de giro u otro tipo de ajustes geométricos que se salgan del corredor existente.
- Es importante en la etapa constructiva validar la topografía con el fin de llevar de manera adecuada una materialización del diseño geométrico.
- En la etapa constructiva se debe revisar la topografía en los empalmes de este corredor con los accesos a predios, conexiones a la rasante del tramo actual o vías conectoras, y en caso de ser necesario debe rediseñarse el empalme.
- Se anexan los reportes de volúmenes, elementos geométricos horizontales y verticales, carteras de replanteo del tramo en campo.
- Se anexan los planos de planta perfil y sección transversal.

7. ANEXOS

- CARTERAS DE REPLANTEO DE LA SECCIÓN TRANSVERSAL
- REPORTE DE COORDENADAS DEL ALINEAMIENTO
- REPORTE DE VOLÚMENES DE CORTE Y RELLENO
- PLANOS DE PLANTA PERFIL Y SECCIÓN TRANSVERSAL

Informe de puntos de sección de obra lineal

Cliente:
Usuario:
Usuario: Compañía:
Dirección 1:
Fecha: 7/10/2021 9:10:51 p. m.

Preparado por:
Proyecto:
Your Company Name
123 Main Street

Nombre de obra lineal: CARRETERA VIA CENTRO
Descripción:
Nombre de alineación base: ALINEACION TRAZADO 1
Intervalo de PTO: entre 0+000.00 y 1+600.00

CARRETERA 0+000.00

PUNTO	X	Y	Z	Station	CARRETERA CENTRO
1	1.002.340.9589	1.002.700.4852	2.718.3589	+0.00m	Daylight
2	1.002.340.4479	1.002.700.4859	2.718.3471	+5.00m	Ninja
3	1.002.340.4479	1.002.700.4859	2.718.4834	+5.00m	Back_Curb
4	1.002.340.9589	1.002.700.4837	2.718.4834	+5.00m	Top_Curb
5	1.002.340.9589	1.002.700.4837	2.718.3589	+5.00m	Flanges_Gutter
6	1.002.341.9589	1.002.700.4850	2.718.3472	+1.80m	DTV
7	1.002.341.9589	1.002.700.4850	2.718.3472	+1.80m	DTV_Feral
8	1.002.341.9589	1.002.700.4850	2.718.3472	+1.80m	DTV_Sub
9	1.002.340.9589	1.002.701.2750	2.718.3472	0.00m	Drenc
10	1.002.340.9589	1.002.701.2750	2.718.3472	0.00m	Drenc_Sub
11	1.002.340.9589	1.002.701.2750	2.718.3472	0.00m	Drenc_Feral
12	1.002.339.4993	1.002.700.2850	2.718.3472	1.80m	DTV_Sub
13	1.002.339.4993	1.002.700.2850	2.718.3472	1.80m	DTV
14	1.002.339.4993	1.002.700.2850	2.718.3472	1.80m	DTV_Feral
15	1.002.339.1909	1.002.700.2850	2.718.3472	1.80m	Flange
16	1.002.339.1909	1.002.700.2850	2.718.4720	3.00m	Top_Curb
17	1.002.339.1909	1.002.700.2850	2.718.4720	3.00m	Flanges_Gutter
18	1.002.337.9799	1.002.700.2850	2.718.7958	3.00m	Ninja_Dol
19	1.002.337.9180	1.002.700.2248		3.00m	Daylight

CARRETERA 0+010.00

CARRETERA 0+020.00

PUNTO	X	Y	Z	Station	CARRETERA CENTRO
1	1.002.271.6849	1.002.713.4458	2.718.3439	+1.81m	Daylight
2	1.002.272.1287	1.002.713.4129	2.720.7858	+0.00m	Ninja
3	1.002.279.4842	1.002.713.2112	2.720.7858	-0.10m	Back_Curb
4	1.002.279.4222	1.002.713.1952	2.720.7858	-0.01m	Top_Curb
5	1.002.279.4229	1.002.713.1934	2.720.3858	-0.01m	Flanges_Gutter
6	1.002.349.9984	1.002.713.1934	2.720.3881	-0.40m	Flange
7	1.002.349.9984	1.002.713.1934	2.720.3881	-0.40m	DTV_Feral
8	1.002.349.9984	1.002.713.1934	2.720.3881	-0.40m	DTV_Sub
9	1.002.349.3393	1.002.713.0298	2.720.3219	+1.80m	Drenc_Sub
10	1.002.349.3393	1.002.713.0298	2.720.3219	+1.80m	DTV
11	1.002.349.3393	1.002.713.0298	2.720.3219	+1.80m	Drenc_Feral
12	1.002.348.8953	1.002.713.0058	2.720.3439	+1.33m	DTV
13	1.002.348.8953	1.002.713.0058	2.720.3439	+1.33m	Drenc_Feral
14	1.002.348.8953	1.002.713.0058	2.720.3439	+1.33m	Drenc_Sub
15	1.002.348.8953	1.002.713.0058	2.720.3439	+1.33m	Drenc
16	1.002.348.8953	1.002.713.0058	2.720.3439	+1.33m	DTV_Sub
17	1.002.348.8953	1.002.713.0058	2.720.3439	+1.33m	DTV_Feral
18	1.002.347.9384	1.002.712.9958	2.720.3879	-0.11m	DTV_Sub
19	1.002.347.9384	1.002.712.9958	2.720.3879	-0.11m	DTV
20	1.002.347.9384	1.002.712.9958	2.720.3879	-0.11m	DTV_Feral
21	1.002.347.4917	1.002.712.8258	2.720.3189	0.00m	Drenc_Sub
22	1.002.347.4917	1.002.712.8258	2.720.3189	0.00m	Drenc_Feral
23	1.002.347.4917	1.002.712.8258	2.720.3999	0.10m	Drenc
24	1.002.347.5142	1.002.712.8258	2.720.3999	0.10m	DTV_Feral
25	1.002.347.5142	1.002.712.8258	2.720.3999	0.10m	DTV_Sub
26	1.002.346.1351	1.002.712.7058	2.720.4819	1.33m	DTV
27	1.002.346.1351	1.002.712.7058	2.720.3819	1.33m	DTV
28	1.002.346.1351	1.002.712.7058	2.720.3819	1.33m	DTV_Sub
29	1.002.346.1191	1.002.712.7057	2.720.3819	1.33m	DTV_Feral
30	1.002.346.1191	1.002.712.7057	2.720.3819	1.33m	Drenc
31	1.002.346.1191	1.002.712.7057	2.720.3819	1.33m	Drenc_Sub
32	1.002.343.8758	1.002.712.6258	2.720.4839	1.80m	Drenc_Feral
33	1.002.343.8719	1.002.712.6257	2.720.3839	1.80m	Flange
34	1.002.343.8719	1.002.712.6257	2.720.3839	1.80m	DTV_Feral
35	1.002.343.8719	1.002.712.6257	2.718.9839	1.80m	DTV
36	1.002.343.1584	1.002.712.2958	2.720.4964	3.00m	DTV_Sub
37	1.002.343.1584	1.002.712.2958	2.720.4964	3.00m	Flanges_Gutter
38	1.002.343.9773	1.002.712.2833	2.720.4964	3.00m	Top_Curb
39	1.002.343.9180	1.002.712.2778	2.720.4839	3.00m	Ninja_Dol
					Daylight

CARRETERA 0+030.00

PUNTO	X	Y	Z	Station	CARRETERA CENTRO
1	1.002.272.7089	1.002.701.2932	2.720.7934	-0.77m	Daylight
2	1.002.271.4969	1.002.701.2878	2.720.7115	+0.00m	Back_Curb
3	1.002.271.2982	1.002.701.2858	2.720.3857	+0.00m	Ninja
4	1.002.271.1317	1.002.701.7224	2.720.7115	+0.81m	Top_Curb
5	1.002.271.1317	1.002.701.7224	2.720.3771	+0.81m	Flanges_Gutter
6	1.002.270.9353	1.002.701.8021	2.720.3858	+0.00m	Flange
7	1.002.270.9353	1.002.701.8021	2.720.3858	+0.00m	DTV_Feral
8	1.002.270.9353	1.002.701.8021	2.720.3858	+1.80m	DTV_Sub
9	1.002.348.2991	1.002.702.4859	2.720.3858	+1.80m	Drenc_Sub
10	1.002.348.2991	1.002.702.4859	2.720.3858	+1.80m	DTV
11	1.002.348.2991	1.002.702.4859	2.720.3858	+1.80m	Drenc_Feral
12	1.002.348.5447	1.002.702.4859	2.720.3219	+1.33m	DTV
13	1.002.348.5447	1.002.702.4859	2.720.3219	+1.33m	Drenc_Feral
14	1.002.348.5447	1.002.702.4859	2.720.3219	+1.33m	Drenc_Sub
15	1.002.348.5447	1.002.702.4859	2.720.3219	+1.33m	Drenc
16	1.002.348.5447	1.002.702.4859	2.720.3219	+1.33m	DTV_Sub
17	1.002.348.5447	1.002.702.4859	2.720.3219	+1.33m	DTV_Feral
18	1.002.347.1961	1.002.702.3073	2.720.3859	-0.12m	DTV_Sub
19	1.002.347.1961	1.002.702.3073	2.720.3859	-0.12m	DTV
20	1.002.347.1961	1.002.702.3073	2.720.3859	-0.12m	DTV_Feral
21	1.002.346.7277	1.002.702.3439	2.720.3918	0.00m	Drenc_Sub
22	1.002.346.7277	1.002.702.3439	2.720.3918	0.00m	Drenc_Feral
23	1.002.346.7277	1.002.702.3439	2.720.3918	0.00m	Drenc
24	1.002.346.9351	1.002.702.3239	2.720.3918	0.12m	DTV_Feral
25	1.002.346.9351	1.002.702.3239	2.720.3918	0.12m	DTV_Sub
26	1.002.346.9351	1.002.702.3239	2.720.3918	0.12m	DTV
27	1.002.345.4287	1.002.702.2760	2.720.3879	1.33m	DTV
28	1.002.345.4287	1.002.702.2760	2.720.3879	1.33m	DTV_Feral
29	1.002.345.4287	1.002.702.2760	2.720.3877	1.33m	Drenc
30	1.002.345.4287	1.002.702.2760			

1	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Sub
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3	[illegible]	[illegible]	[illegible]	[illegible]	Forge
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5	[illegible]	[illegible]	[illegible]	[illegible]	DTV
6	[illegible]	[illegible]	[illegible]	[illegible]	DTV_Sub
7	[illegible]	[illegible]	[illegible]	[illegible]	Factory_Outer
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[illegible]	X	Y	Z	Radius	[illegible]
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5	[illegible]	[illegible]	[illegible]	[illegible]	DTV_Forest
6	[illegible]	[illegible]	[illegible]	[illegible]	DTV
7	[illegible]	[illegible]	[illegible]	[illegible]	DTV_Sub
8	[illegible]	[illegible]	[illegible]	[illegible]	Forge
9	[illegible]	[illegible]	[illegible]	[illegible]	DTV_Sub
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13	[illegible]	[illegible]	[illegible]	[illegible]	DTV

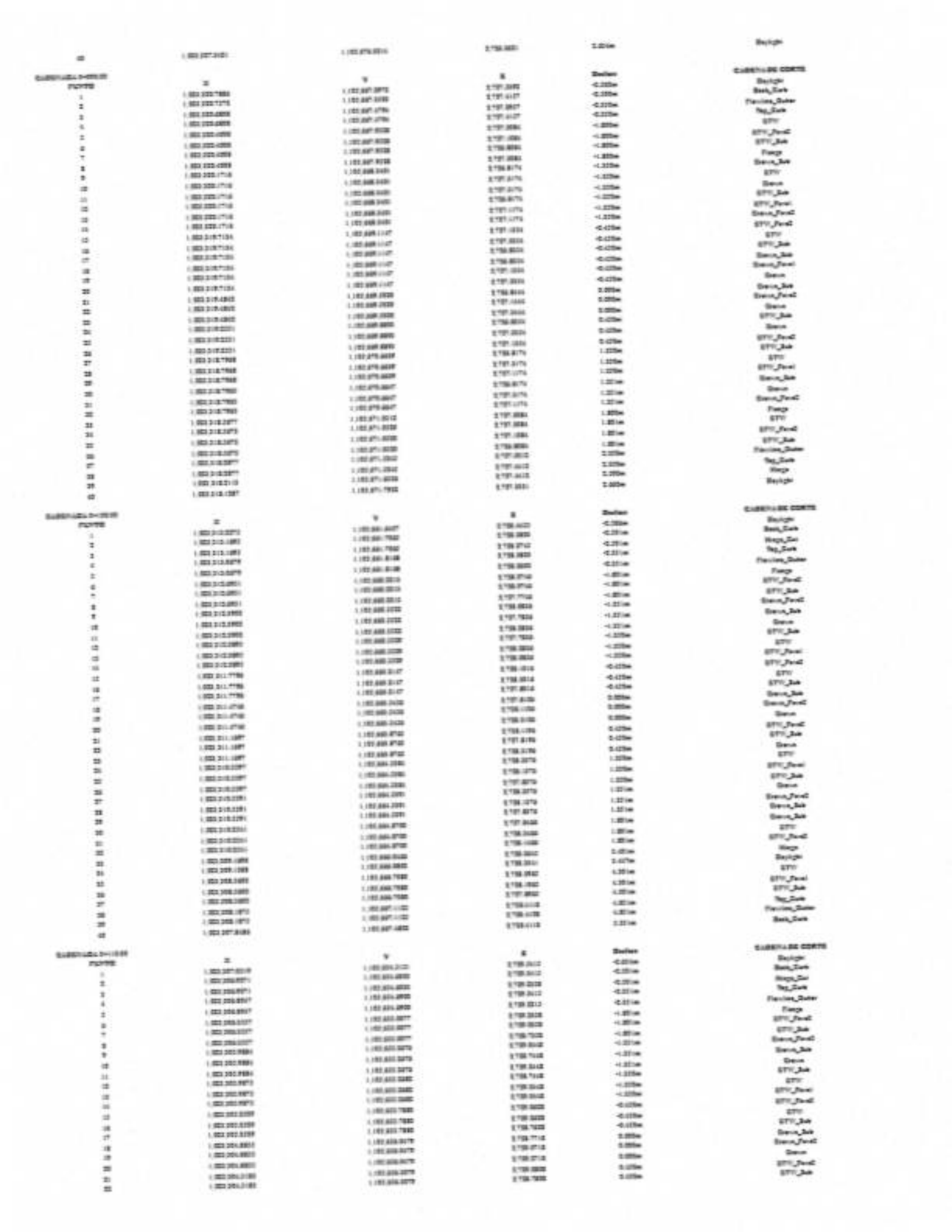
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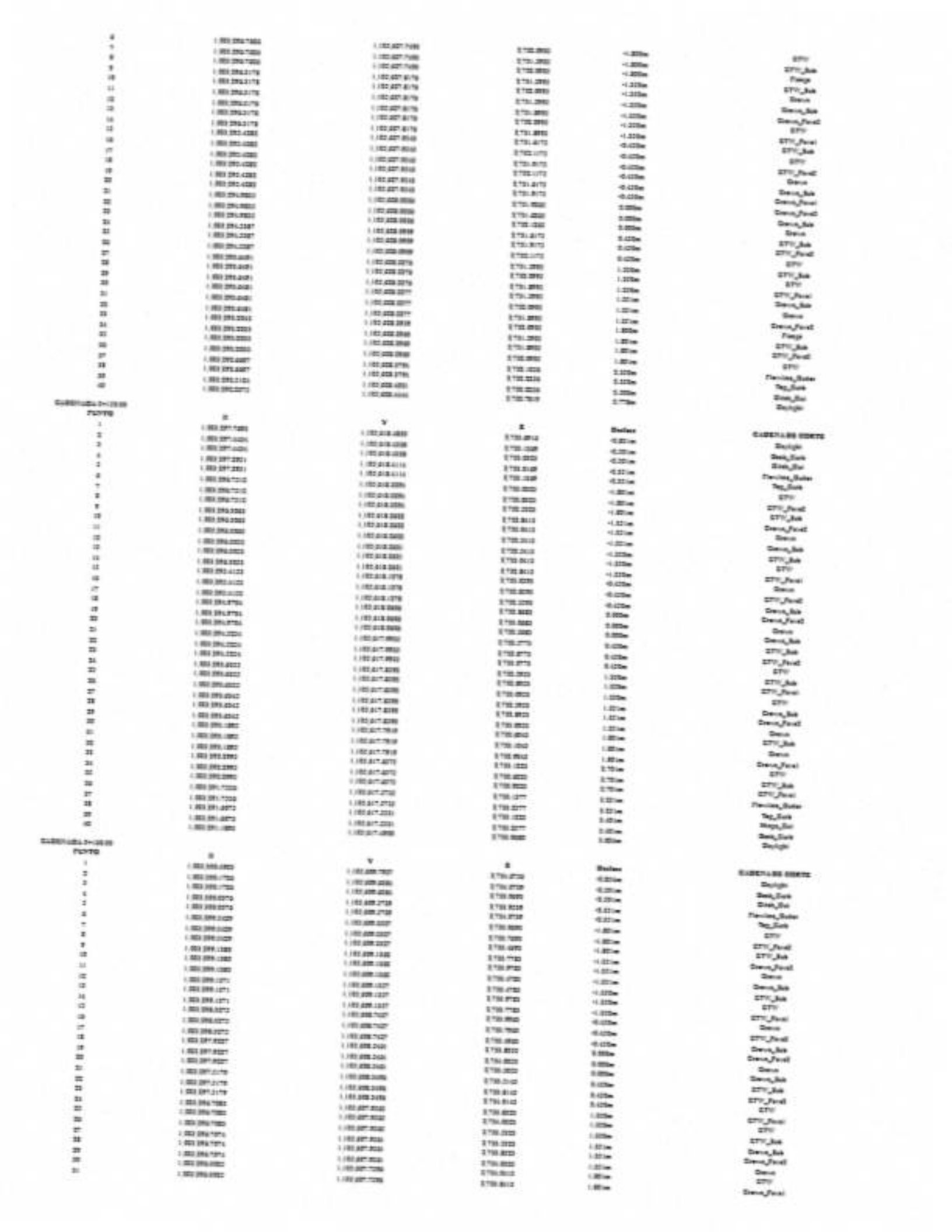
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FID	X	Y	Z	Radius	CATEGORIES CODES
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14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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3	[illegible]	[illegible]	[illegible]	[illegible]	Desk_Cir
4	[illegible]	[illegible]	[illegible]	[illegible]	Transtex_Outer
5	[illegible]	[illegible]	[illegible]	[illegible]	Tag_Curb
6	[illegible]	[illegible]	[illegible]	[illegible]	DTI
7	[illegible]	[illegible]	[illegible]	[illegible]	DTI_Panel
8	[illegible]	[illegible]	[illegible]	[illegible]	DTI_Sub
9	[illegible]	[illegible]	[illegible]	[illegible]	Deco_Panel
10	[illegible]	[illegible]	[illegible]	[illegible]	Deco
11	[illegible]	[illegible]	[illegible]	[illegible]	Deco_Sub
12	[illegible]	[illegible]	[illegible]	[illegible]	DTI_Sub
13	[illegible]	[illegible]	[illegible]	[illegible]	DTI
14	[illegible]	[illegible]	[illegible]	[illegible]	DTI_Panel
15	[illegible]	[illegible]	[illegible]	[illegible]	Deco
16	[illegible]	[illegible]	[illegible]	[illegible]	DTI_Panel
17	[illegible]	[illegible]	[illegible]	[illegible]	Deco_Sub
18	[illegible]	[illegible]	[illegible]	[illegible]	Deco_Panel
19	[illegible]	[illegible]	[illegible]	[illegible]	Deco
20	[illegible]	[illegible]	[illegible]	[illegible]	Deco_Sub
21	[illegible]	[illegible]	[illegible]	[illegible]	DTI_Sub
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38	[illegible]	[illegible]	[illegible]	[illegible]	Tag_Curb
39	[illegible]	[illegible]	[illegible]	[illegible]	Transtex_Outer
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5	[illegible]	[illegible]	[illegible]	[illegible]	DTI_Panel
6	[illegible]	[illegible]	[illegible]	[illegible]	DTI
7	[illegible]	[illegible]	[illegible]	[illegible]	DTI_Sub
8	[illegible]	[illegible]	[illegible]	[illegible]	Flange
9	[illegible]	[illegible]	[illegible]	[illegible]	DTI_Sub
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31	[illegible]	[illegible]	[illegible]	[illegible]	Deco
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[illegible]

	X	Y	Z	Boolean	CADENTIA DE CORTE
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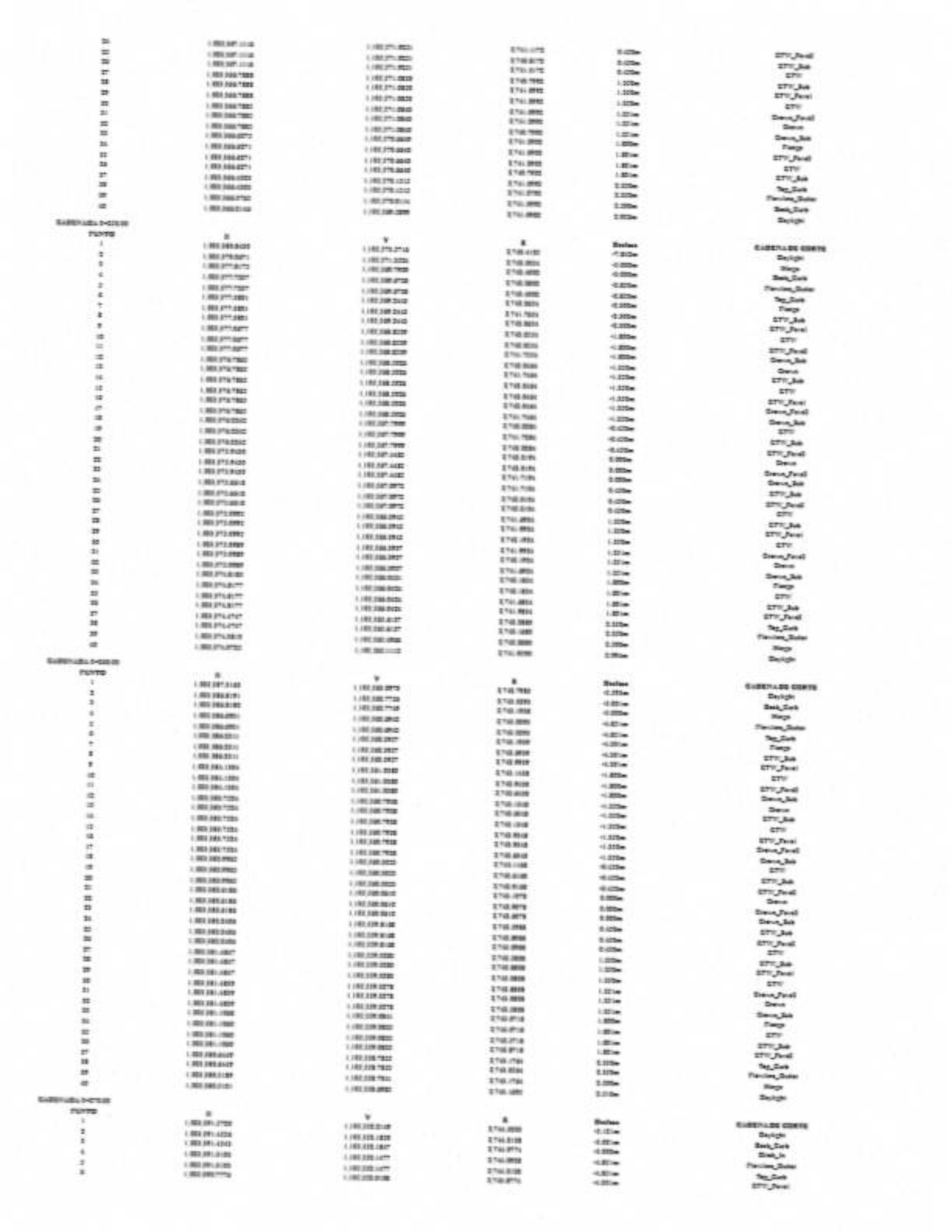


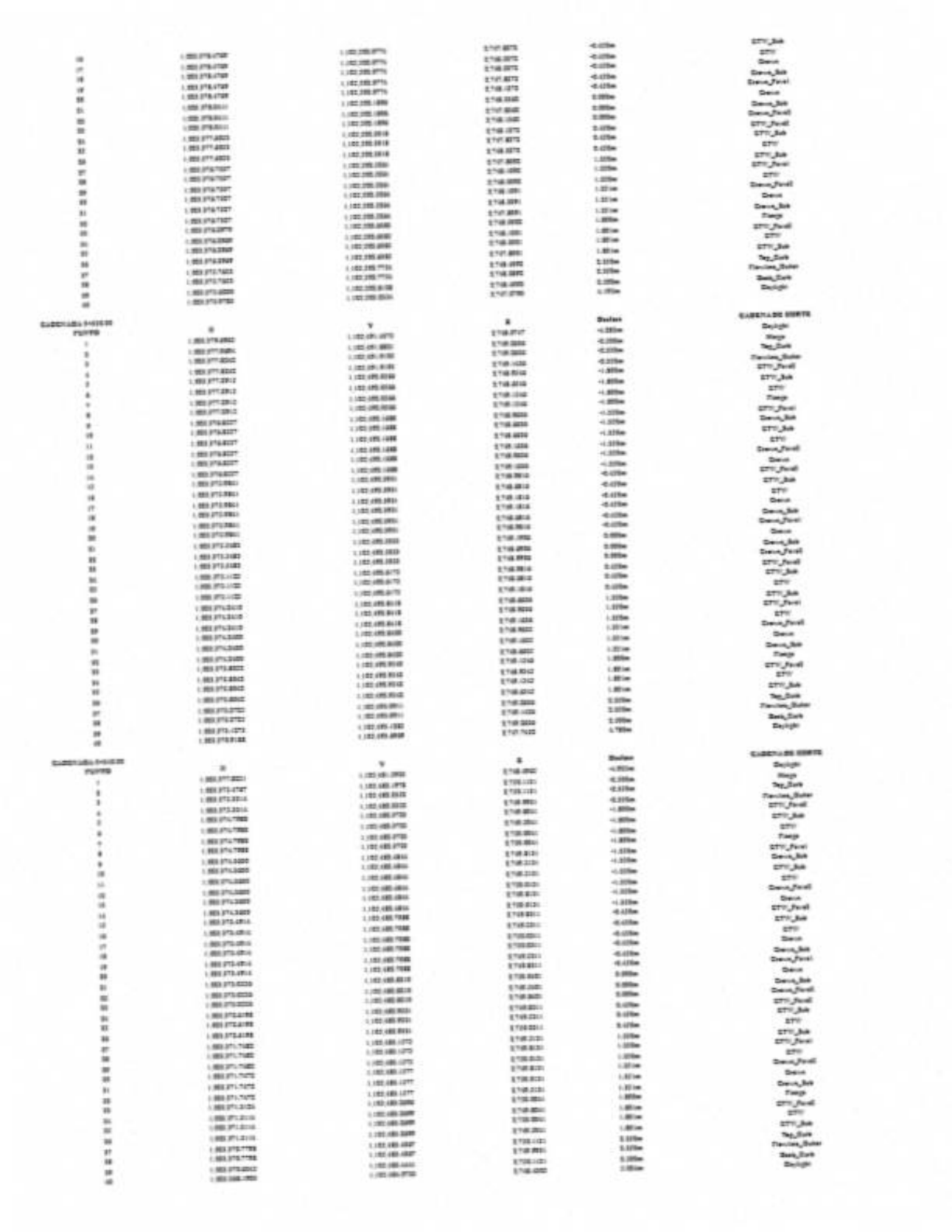


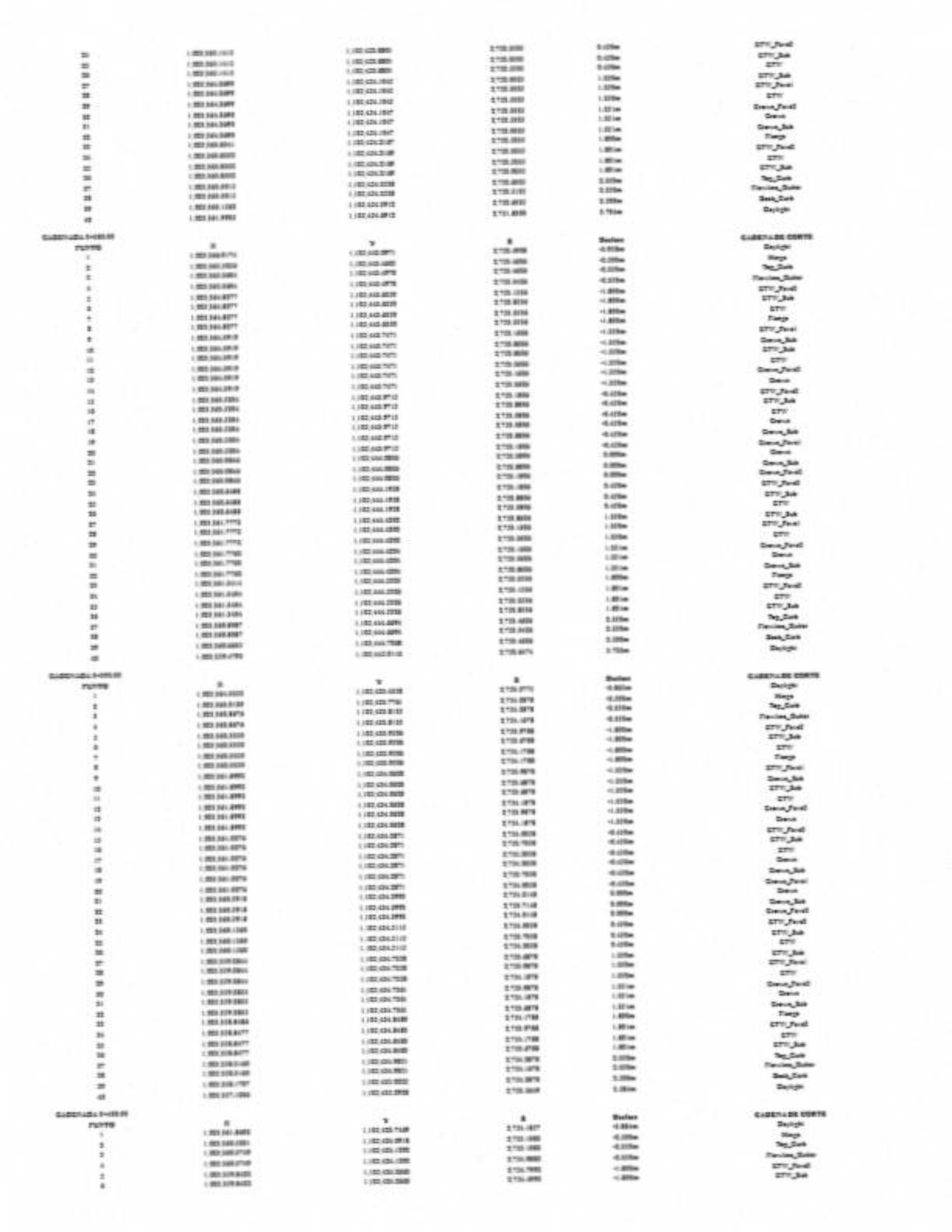


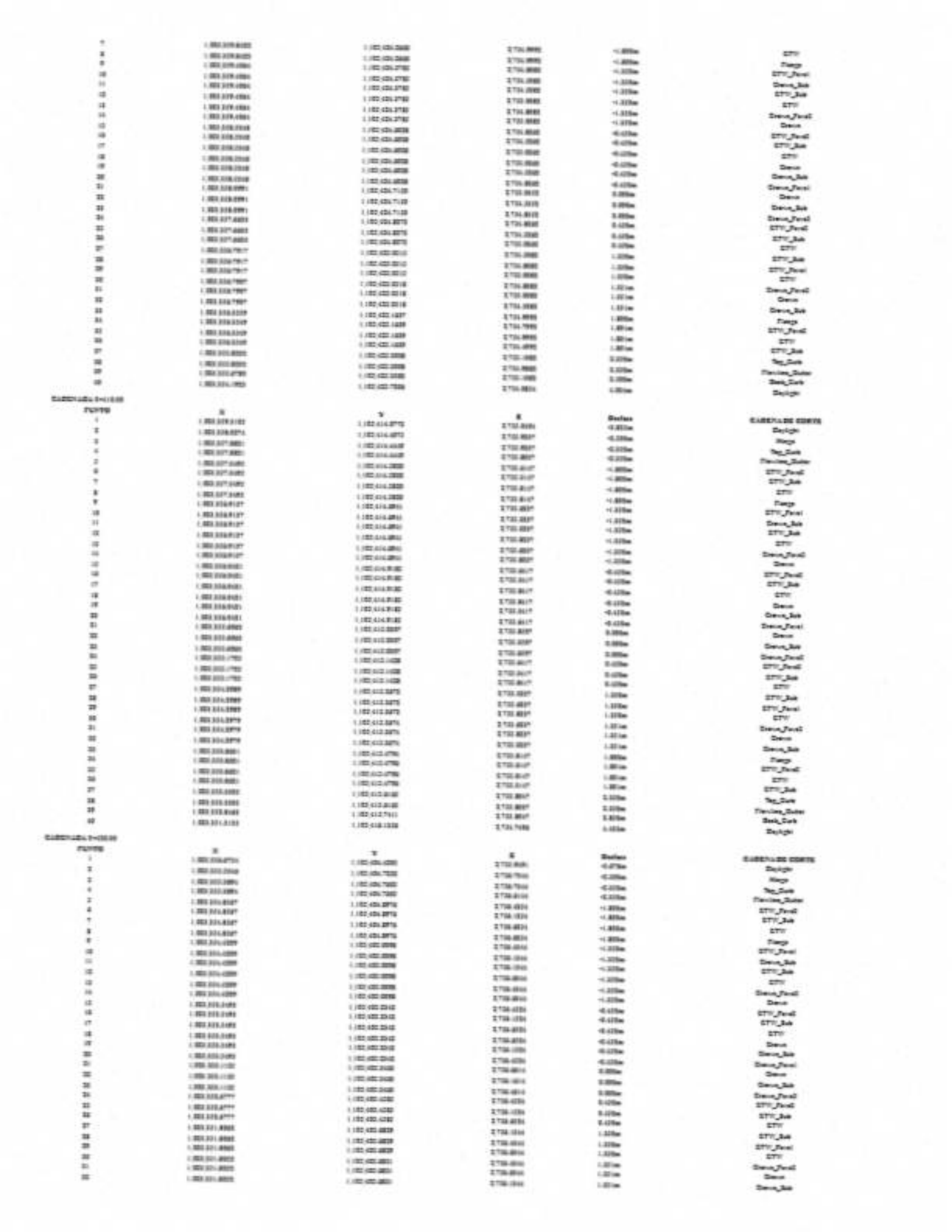












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CABINAGE CORTE

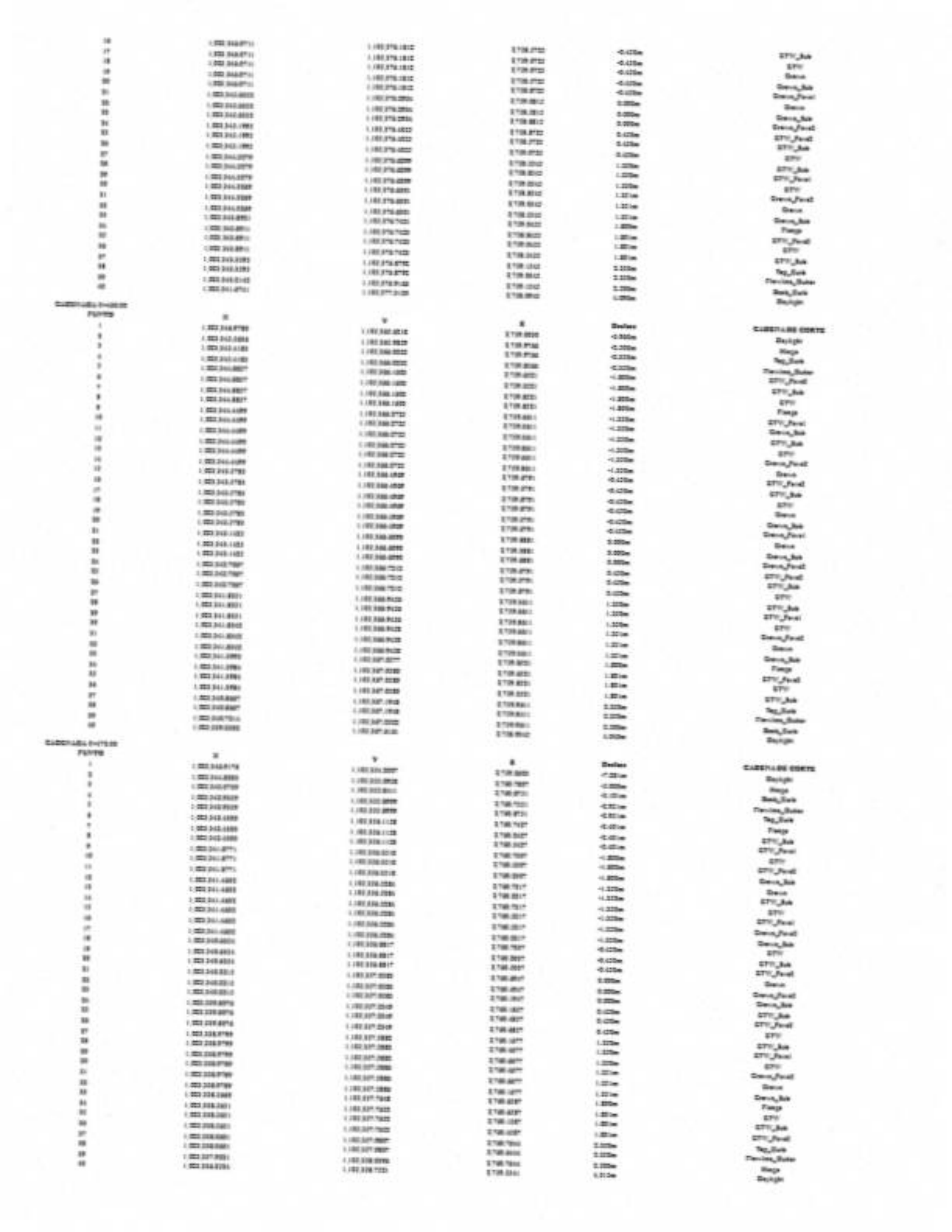
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39	[illegible]	[illegible]	[illegible]	2.273m	Daylight

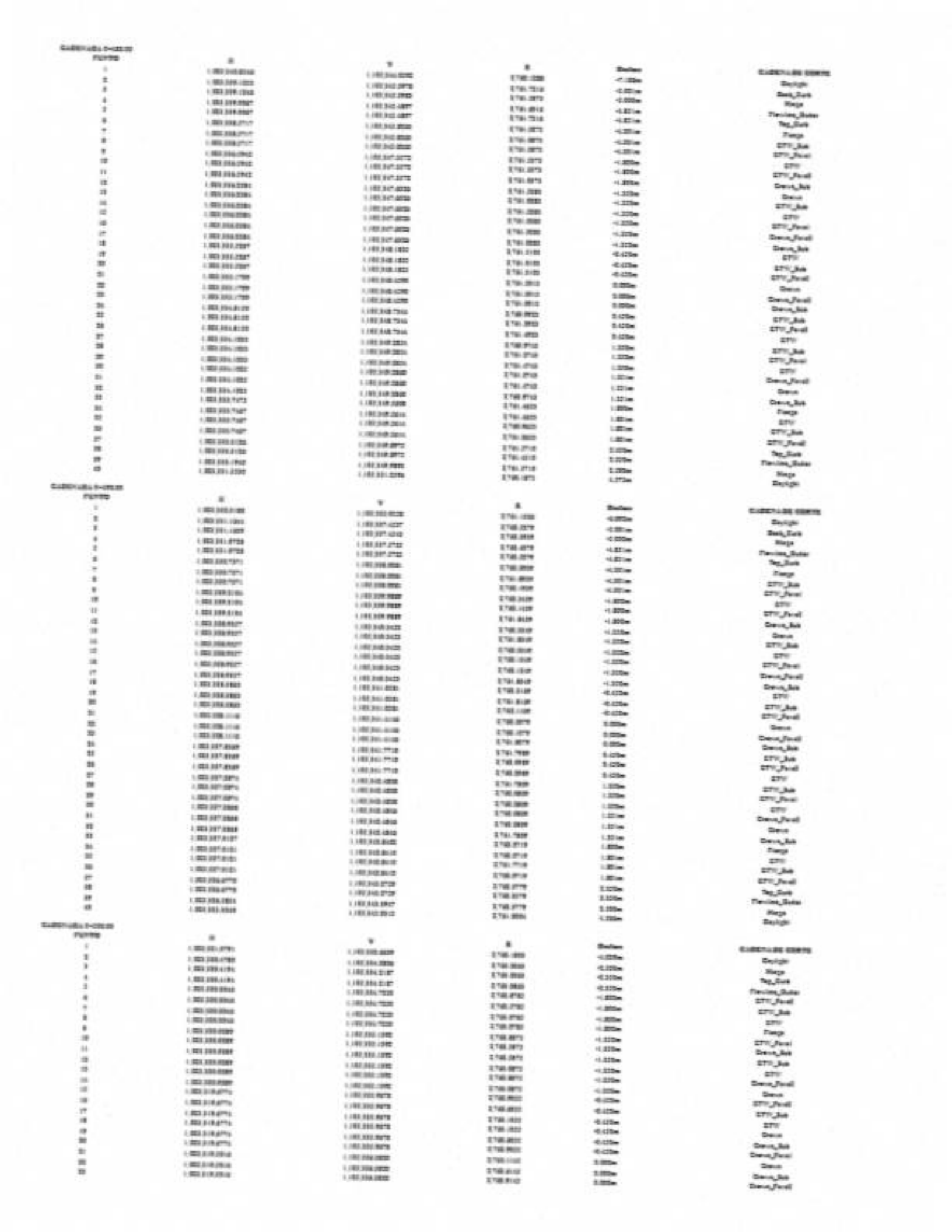
CABINAGE CORTE

	X	Y	Z	Outlaw	
0	[illegible]	[illegible]	[illegible]	-0.720m	Daylight
1	[illegible]	[illegible]	[illegible]	-0.205m	Wings
2	[illegible]	[illegible]	[illegible]	-0.223m	Top_Dark
3	[illegible]	[illegible]	[illegible]	-0.223m	Flanges_Outer
4	[illegible]	[illegible]	[illegible]	+1.805m	DTI'_Fore2
5	[illegible]	[illegible]	[illegible]	+1.805m	DTI'_Sub
6	[illegible]	[illegible]	[illegible]	+1.805m	DTI'
7	[illegible]	[illegible]	[illegible]	+1.805m	Thing
8	[illegible]	[illegible]	[illegible]	+1.225m	DTI'_Fore1
9	[illegible]	[illegible]	[illegible]	+1.225m	Deque_Sub
10	[illegible]	[illegible]	[illegible]	+1.225m	DTI'_Sub
11	[illegible]	[illegible]	[illegible]	+1.225m	DTI'
12	[illegible]	[illegible]	[illegible]	+1.225m	Deque_Fore2
13	[illegible]	[illegible]	[illegible]	+1.225m	Deque
14	[illegible]	[illegible]	[illegible]	-0.125m	DTI'_Fore2
15	[illegible]	[illegible]	[illegible]	-0.125m	DTI'_Sub
16	[illegible]	[illegible]	[illegible]	-0.125m	DTI'
17	[illegible]	[illegible]	[illegible]	-0.125m	Deque
18	[illegible]	[illegible]	[illegible]	-0.125m	Deque_Sub
19	[illegible]	[illegible]	[illegible]	-0.125m	Deque_Fore1
20	[illegible]	[illegible]	[illegible]	0.000m	Deque
21	[illegible]	[illegible]	[illegible]	0.000m	Deque_Sub
22	[illegible]	[illegible]	[illegible]	0.000m	Deque_Fore2
23	[illegible]	[illegible]	[illegible]	0.125m	DTI'_Fore2
24	[illegible]	[illegible]	[illegible]	0.125m	DTI'_Sub
25	[illegible]	[illegible]	[illegible]	0.125m	DTI'
26	[illegible]	[illegible]	[illegible]	1.225m	DTI'_Sub
27	[illegible]	[illegible]	[illegible]	1.225m	DTI'_Fore1
28	[illegible]	[illegible]	[illegible]	1.225m	DTI'
29	[illegible]	[illegible]	[illegible]	1.225m	Deque_Fore2
30	[illegible]	[illegible]	[illegible]	1.225m	Deque
31	[illegible]	[illegible]	[illegible]	1.225m	Deque_Sub
32	[illegible]	[illegible]	[illegible]	1.805m	Thing
33	[illegible]	[illegible]	[illegible]	1.805m	DTI'_Fore2
34	[illegible]	[illegible]	[illegible]	1.805m	DTI'
35	[illegible]	[illegible]	[illegible]	1.805m	DTI'_Sub
36	[illegible]	[illegible]	[illegible]	2.225m	Top_Dark
37	[illegible]	[illegible]	[illegible]	2.225m	Flanges_Outer
38	[illegible]	[illegible]	[illegible]	2.225m	Back_Dark
39	[illegible]	[illegible]	[illegible]	-0.273m	Daylight

CABINAGE CORTE

	X	Y	Z	Outlaw	
0	[illegible]	[illegible]	[illegible]	-0.223m	Daylight
1	[illegible]	[illegible]	[illegible]	-0.205m	Wings
2	[illegible]	[illegible]	[illegible]	-0.223m	Top_Dark
3	[illegible]	[illegible]	[illegible]	-0.223m	Flanges_Outer
4	[illegible]	[illegible]	[illegible]	+1.805m	DTI'_Fore2
5	[illegible]	[illegible]	[illegible]	+1.805m	DTI'_Sub
6	[illegible]	[illegible]	[illegible]	+1.805m	DTI'
7	[illegible]	[illegible]	[illegible]	+1.805m	Thing
8	[illegible]	[illegible]	[illegible]	+1.225m	DTI'_Fore1
9	[illegible]	[illegible]	[illegible]	+1.225m	Deque_Sub
10	[illegible]	[illegible]	[illegible]	+1.225m	DTI'_Sub
11	[illegible]	[illegible]	[illegible]	+1.225m	DTI'
12	[illegible]	[illegible]	[illegible]	+1.225m	Deque_Fore2
13	[illegible]	[illegible]	[illegible]	+1.225m	Deque
14	[illegible]	[illegible]	[illegible]	-0.125m	DTI'_Fore2





31	[illegible]	[illegible]	[illegible]	0.125m	STY_Panel
32	[illegible]	[illegible]	[illegible]	0.125m	STY_Sub
33	[illegible]	[illegible]	[illegible]	0.125m	STY
37	[illegible]	[illegible]	[illegible]	1.225m	STY_Sub
38	[illegible]	[illegible]	[illegible]	1.225m	STY_Panel
39	[illegible]	[illegible]	[illegible]	1.225m	STY
45	[illegible]	[illegible]	[illegible]	1.221m	Stairs_Panel
51	[illegible]	[illegible]	[illegible]	1.221m	Stairs
52	[illegible]	[illegible]	[illegible]	1.221m	Stairs_Sub
53	[illegible]	[illegible]	[illegible]	1.255m	Ramp
54	[illegible]	[illegible]	[illegible]	1.85m	STY_Panel
55	[illegible]	[illegible]	[illegible]	1.85m	STY
56	[illegible]	[illegible]	[illegible]	1.85m	STY_Sub
57	[illegible]	[illegible]	[illegible]	2.225m	Top_Dark
58	[illegible]	[illegible]	[illegible]	2.225m	Fixtures_Outer
59	[illegible]	[illegible]	[illegible]	2.225m	Seats_Dark
60	[illegible]	[illegible]	[illegible]	2.77m	Daylight

[illegible]

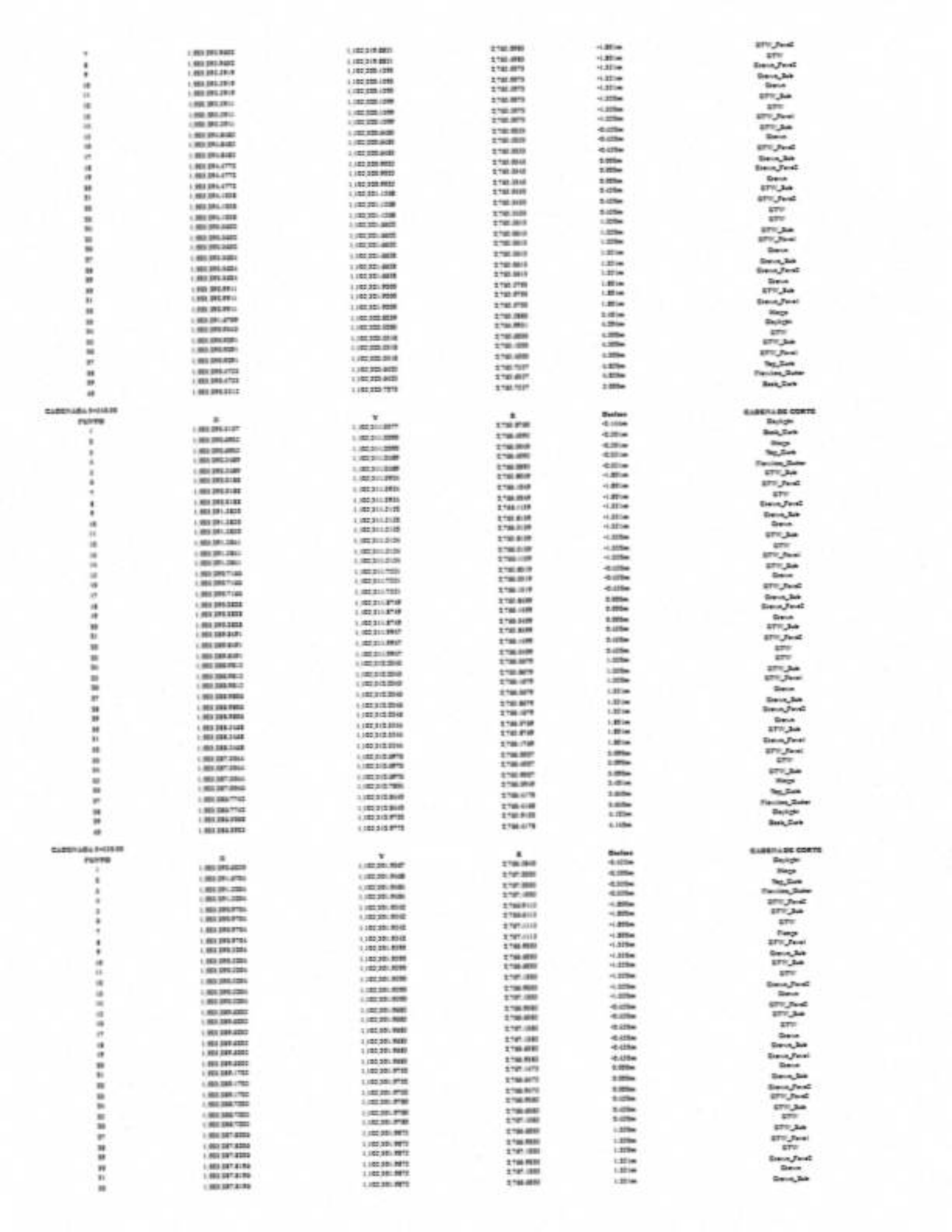
FLOOR	X	Y	Z	Radius	CABINET
1	[illegible]	[illegible]	[illegible]	-0.75m	Daylight
2	[illegible]	[illegible]	[illegible]	-0.225m	Wings
3	[illegible]	[illegible]	[illegible]	-0.225m	Top_Dark
4	[illegible]	[illegible]	[illegible]	-0.225m	Fixtures_Outer
5	[illegible]	[illegible]	[illegible]	-1.825m	STY_Panel
6	[illegible]	[illegible]	[illegible]	-1.825m	STY_Sub
7	[illegible]	[illegible]	[illegible]	-1.825m	STY
8	[illegible]	[illegible]	[illegible]	-1.825m	Ramp
9	[illegible]	[illegible]	[illegible]	-1.225m	STY_Panel
10	[illegible]	[illegible]	[illegible]	-1.225m	Stairs_Sub
11	[illegible]	[illegible]	[illegible]	-1.225m	STY_Sub
12	[illegible]	[illegible]	[illegible]	-1.225m	STY
13	[illegible]	[illegible]	[illegible]	-1.225m	Stairs_Panel
14	[illegible]	[illegible]	[illegible]	-1.225m	Stairs
15	[illegible]	[illegible]	[illegible]	-0.625m	STY_Panel
16	[illegible]	[illegible]	[illegible]	-0.625m	STY_Sub
17	[illegible]	[illegible]	[illegible]	-0.625m	STY
18	[illegible]	[illegible]	[illegible]	-0.625m	Stairs
19	[illegible]	[illegible]	[illegible]	-0.625m	Stairs_Sub
20	[illegible]	[illegible]	[illegible]	-0.625m	Stairs_Panel
21	[illegible]	[illegible]	[illegible]	0.025m	Stairs
22	[illegible]	[illegible]	[illegible]	0.025m	Stairs_Sub
23	[illegible]	[illegible]	[illegible]	0.025m	Stairs_Panel
24	[illegible]	[illegible]	[illegible]	0.425m	STY_Panel
25	[illegible]	[illegible]	[illegible]	0.425m	STY_Sub
26	[illegible]	[illegible]	[illegible]	0.425m	STY
27	[illegible]	[illegible]	[illegible]	1.225m	STY_Sub
28	[illegible]	[illegible]	[illegible]	1.225m	STY_Panel
29	[illegible]	[illegible]	[illegible]	1.225m	STY
30	[illegible]	[illegible]	[illegible]	1.21m	Stairs_Panel
31	[illegible]	[illegible]	[illegible]	1.21m	Stairs
32	[illegible]	[illegible]	[illegible]	1.21m	Stairs_Sub
33	[illegible]	[illegible]	[illegible]	1.855m	Ramp
34	[illegible]	[illegible]	[illegible]	1.85m	STY_Panel
35	[illegible]	[illegible]	[illegible]	1.85m	STY
36	[illegible]	[illegible]	[illegible]	1.85m	STY_Sub
37	[illegible]	[illegible]	[illegible]	2.225m	Top_Dark
38	[illegible]	[illegible]	[illegible]	2.225m	Fixtures_Outer
39	[illegible]	[illegible]	[illegible]	2.225m	Seats_Dark
40	[illegible]	[illegible]	[illegible]	2.27m	Daylight

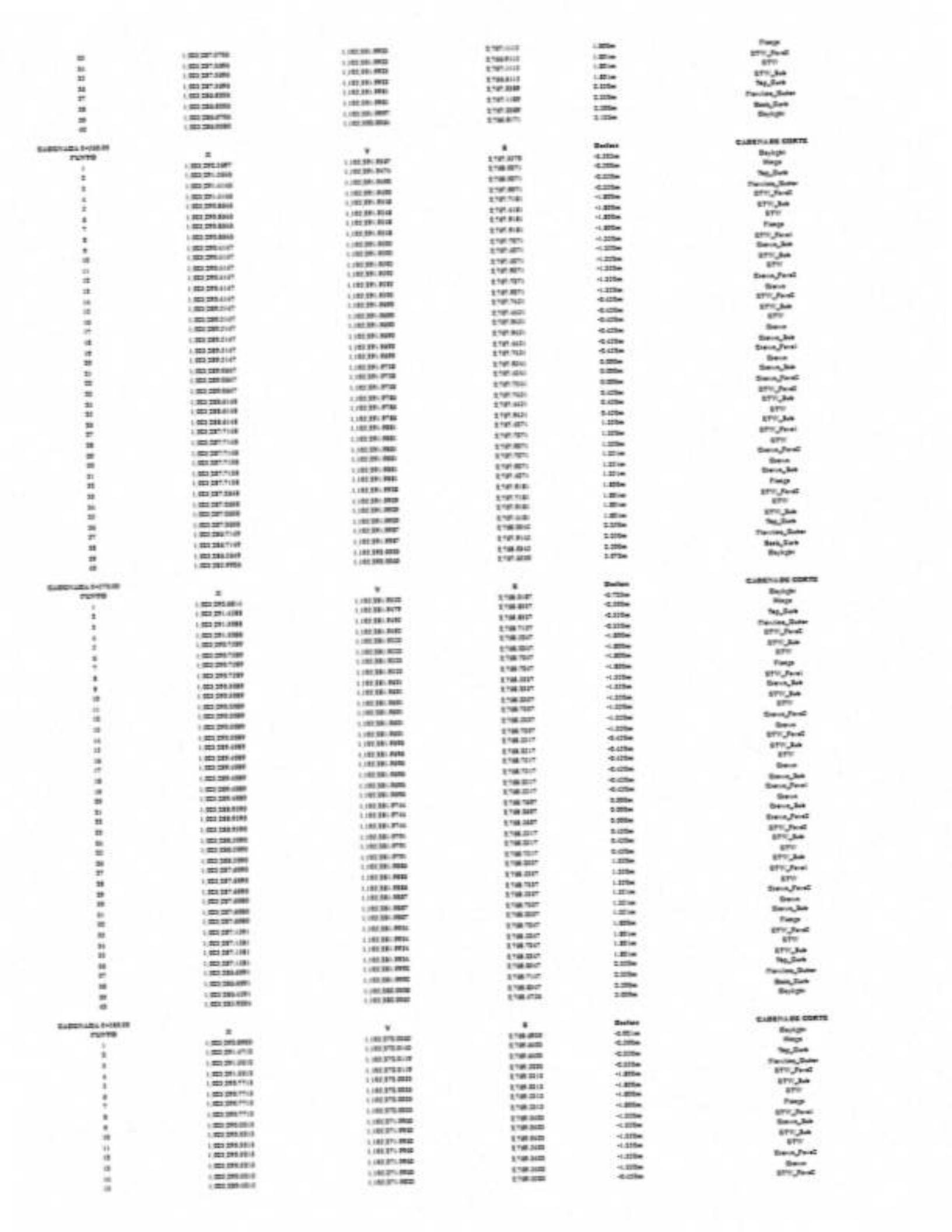
[illegible]

FLOOR	X	Y	Z	Radius	CABINET
1	[illegible]	[illegible]	[illegible]	-0.585m	Daylight
2	[illegible]	[illegible]	[illegible]	-0.21m	Seats_Dark
3	[illegible]	[illegible]	[illegible]	-0.21m	Wings
4	[illegible]	[illegible]	[illegible]	-0.21m	Top_Dark
5	[illegible]	[illegible]	[illegible]	-0.21m	Fixtures_Outer
6	[illegible]	[illegible]	[illegible]	-1.81m	STY_Sub
7	[illegible]	[illegible]	[illegible]	-1.81m	STY_Panel
8	[illegible]	[illegible]	[illegible]	-1.81m	STY
9	[illegible]	[illegible]	[illegible]	-1.21m	Stairs_Panel
10	[illegible]	[illegible]	[illegible]	-1.21m	Stairs_Sub
11	[illegible]	[illegible]	[illegible]	-1.21m	Stairs
12	[illegible]	[illegible]	[illegible]	-1.225m	STY_Sub
13	[illegible]	[illegible]	[illegible]	-1.225m	STY
14	[illegible]	[illegible]	[illegible]	-1.225m	STY_Panel
15	[illegible]	[illegible]	[illegible]	-0.625m	STY_Sub
16	[illegible]	[illegible]	[illegible]	-0.625m	Stairs
17	[illegible]	[illegible]	[illegible]	-0.625m	STY_Panel
18	[illegible]	[illegible]	[illegible]	0.025m	Stairs_Sub
19	[illegible]	[illegible]	[illegible]	0.025m	Stairs_Panel
20	[illegible]	[illegible]	[illegible]	0.025m	Stairs
21	[illegible]	[illegible]	[illegible]	0.125m	STY_Sub
22	[illegible]	[illegible]	[illegible]	0.125m	STY_Panel
23	[illegible]	[illegible]	[illegible]	0.125m	STY
24	[illegible]	[illegible]	[illegible]	1.225m	STY
25	[illegible]	[illegible]	[illegible]	1.225m	STY_Sub
26	[illegible]	[illegible]	[illegible]	1.225m	STY_Panel
27	[illegible]	[illegible]	[illegible]	1.21m	Stairs
28	[illegible]	[illegible]	[illegible]	1.21m	Stairs_Sub
29	[illegible]	[illegible]	[illegible]	1.21m	Stairs_Panel
30	[illegible]	[illegible]	[illegible]	1.85m	Stairs
31	[illegible]	[illegible]	[illegible]	1.85m	STY_Sub
32	[illegible]	[illegible]	[illegible]	1.85m	Stairs_Panel
33	[illegible]	[illegible]	[illegible]	2.225m	STY_Panel
34	[illegible]	[illegible]	[illegible]	2.225m	STY
35	[illegible]	[illegible]	[illegible]	2.225m	STY_Sub
36	[illegible]	[illegible]	[illegible]	2.21m	Wings
37	[illegible]	[illegible]	[illegible]	2.21m	Top_Dark
38	[illegible]	[illegible]	[illegible]	2.21m	Fixtures_Outer
39	[illegible]	[illegible]	[illegible]	2.775m	Seats_Dark
40	[illegible]	[illegible]	[illegible]	2.855m	Daylight

[illegible]

FLOOR	X	Y	Z	Radius	CABINET
1	[illegible]	[illegible]	[illegible]	-0.225m	Daylight
2	[illegible]	[illegible]	[illegible]	-0.21m	Seats_Dark
3	[illegible]	[illegible]	[illegible]	-0.21m	Wings
4	[illegible]	[illegible]	[illegible]	-0.21m	Top_Dark
5	[illegible]	[illegible]	[illegible]	-0.21m	Fixtures_Outer
6	[illegible]	[illegible]	[illegible]	-1.81m	STY_Sub





Index	X	Y	Z	Radius	Classification
1	1.003.295.6489	1.182.545.9418	2.773.9559	+1.205m	Daylight
2	1.003.291.9397	1.182.545.8179	2.773.9665	-0.105m	Warp
3	1.003.291.7898	1.182.545.8126	2.773.9665	-0.115m	Tag_Dark
4	1.003.291.7898	1.182.545.8126	2.771.9455	-0.115m	Trenches_Outer
5	1.003.291.3198	1.182.545.8979	2.771.7213	+1.805m	DTI/_Fore2
6	1.003.291.3198	1.182.545.8979	2.771.4313	+1.805m	DTI/_Sub
7	1.003.291.3198	1.182.545.8979	2.771.4313	+1.805m	DTI/
8	1.003.291.3198	1.182.545.8979	2.771.4313	+1.805m	Tango
9	1.003.295.7899	1.182.545.9999	2.771.7655	+1.225m	DTI/_Fore1
10	1.003.295.7899	1.182.545.9999	2.771.4655	+1.225m	Dance_Sub
11	1.003.295.7899	1.182.545.9999	2.771.4655	+1.225m	DTI/_Sub
12	1.003.295.7899	1.182.545.9999	2.771.7655	+1.225m	DTI/
13	1.003.295.7899	1.182.545.9999	2.771.7655	+1.225m	Dance_Fore2
14	1.003.295.7899	1.182.545.9999	2.771.7655	+1.225m	Dance
15	1.003.289.8955	1.182.541.9629	2.771.7783	-0.125m	DTI/_Fore2
16	1.003.289.8955	1.182.541.9629	2.771.4783	-0.125m	DTI/_Sub
17	1.003.289.8955	1.182.541.9629	2.771.8783	-0.125m	DTI/
18	1.003.289.8955	1.182.541.9629	2.771.8783	-0.125m	Dance
19	1.003.289.8955	1.182.541.9629	2.771.4783	-0.125m	Dance_Sub
20	1.003.289.8955	1.182.541.9629	2.771.7783	-0.125m	Dance_Fore1
21	1.003.289.4481	1.182.541.8188	2.771.5873	0.000m	Dance
22	1.003.289.4481	1.182.541.8188	2.771.4873	0.000m	Dance_Sub
23	1.003.289.4481	1.182.541.8188	2.771.7873	0.000m	Dance_Fore2
24	1.003.288.9961	1.182.541.8119	2.771.7783	0.125m	DTI/_Fore2
25	1.003.288.9961	1.182.541.8119	2.771.4783	0.125m	DTI/_Sub
26	1.003.288.9961	1.182.541.8119	2.771.8783	0.125m	DTI/
27	1.003.288.9962	1.182.541.8078	2.771.4883	1.225m	DTI/_Sub
28	1.003.288.9962	1.182.541.8078	2.771.7883	1.225m	DTI/_Fore1
29	1.003.288.9962	1.182.541.8078	2.771.8883	1.225m	DTI/
30	1.003.288.9962	1.182.541.8078	2.771.7883	1.225m	Dance_Fore2
31	1.003.288.9962	1.182.541.8078	2.771.8883	1.225m	Dance
32	1.003.288.9962	1.182.541.8078	2.771.4883	1.225m	Dance_Sub
33	1.003.287.4393	1.182.541.8038	2.771.8113	1.805m	Tango
34	1.003.287.4393	1.182.541.8038	2.771.8113	1.805m	DTI/_Fore2
35	1.003.287.4393	1.182.541.8038	2.771.4313	1.805m	DTI/
36	1.003.287.4393	1.182.541.8038	2.773.9955	2.225m	DTI/_Sub
37	1.003.287.4393	1.182.541.8038	2.771.8955	2.225m	Tag_Dark
38	1.003.287.4393	1.182.541.8038	2.773.9955	2.225m	Trenches_Outer
39	1.003.286.9161	1.182.541.8038	2.771.8734	2.993m	Back_Dark
40	1.003.292.1189	1.182.541.8187			Daylight

Index	X	Y	Z	Radius	Classification
1	1.003.295.7371	1.182.555.8448	2.771.7732	+0.000m	Daylight
2	1.003.295.8929	1.182.555.8181	2.773.8668	-0.205m	Warp
3	1.003.291.9129	1.182.555.8188	2.773.8668	-0.215m	Tag_Dark
4	1.003.291.9129	1.182.555.8188	2.773.7168	-0.215m	Trenches_Outer
5	1.003.291.3968	1.182.555.8988	2.773.2278	+1.805m	DTI/_Fore2
6	1.003.291.3968	1.182.555.8988	2.773.2278	+1.805m	DTI/_Sub
7	1.003.291.3968	1.182.555.8988	2.773.7278	+1.805m	DTI/
8	1.003.291.3968	1.182.555.8988	2.773.7278	+1.805m	Tango
9	1.003.295.9161	1.182.555.8913	2.773.3668	+1.215m	DTI/_Fore1
10	1.003.295.9161	1.182.555.8913	2.773.3668	+1.215m	Dance_Sub
11	1.003.295.9161	1.182.555.8913	2.773.3668	+1.215m	DTI/_Sub
12	1.003.295.9161	1.182.555.8913	2.773.7668	+1.215m	DTI/
13	1.003.295.9161	1.182.555.8913	2.773.7668	+1.215m	Dance_Fore2
14	1.003.295.9161	1.182.555.8913	2.773.7668	+1.215m	Dance
15	1.003.295.9161	1.182.555.8913	2.773.7668	+1.215m	DTI/_Fore2
16	1.003.295.9160	1.182.551.8871	2.773.3868	-0.125m	DTI/_Sub
17	1.003.295.9160	1.182.551.8871	2.773.7868	-0.125m	DTI/
18	1.003.295.9160	1.182.551.8871	2.773.7868	-0.125m	Dance
19	1.003.295.9160	1.182.551.8871	2.773.3868	-0.125m	Dance_Sub
20	1.003.295.9160	1.182.551.8871	2.773.3868	-0.125m	Dance_Fore1
21	1.003.289.3965	1.182.551.8861	2.773.7958	0.000m	Dance
22	1.003.289.3965	1.182.551.8861	2.773.3958	0.000m	Dance_Sub
23	1.003.289.3965	1.182.551.8861	2.773.3958	0.000m	Dance_Fore2
24	1.003.289.1183	1.182.551.8731	2.773.3918	0.125m	DTI/_Fore2
25	1.003.289.1183	1.182.551.8731	2.773.3918	0.125m	DTI/_Sub
26	1.003.289.1183	1.182.551.8731	2.773.7918	0.125m	DTI/
27	1.003.288.5161	1.182.551.8249	2.773.3948	1.225m	DTI/_Sub
28	1.003.288.5161	1.182.551.8249	2.773.3948	1.225m	DTI/_Fore1
29	1.003.288.5161	1.182.551.8249	2.773.7948	1.225m	DTI/
30	1.003.288.5161	1.182.551.8249	2.773.3947	1.225m	Dance_Fore2
31	1.003.288.5161	1.182.551.8249	2.773.7947	1.225m	Dance
32	1.003.288.5161	1.182.551.8249	2.773.3947	1.225m	Dance_Sub
33	1.003.287.7961	1.182.551.8159	2.773.7279	1.805m	Tango
34	1.003.287.7961	1.182.551.8159	2.773.7277	1.805m	DTI/_Fore2
35	1.003.287.7961	1.182.551.8159	2.773.3277	1.805m	DTI/
36	1.003.287.8161	1.182.551.8154	2.773.3648	2.225m	DTI/_Sub
37	1.003.287.8161	1.182.551.8154	2.773.7648	2.225m	Tag_Dark
38	1.003.287.8961	1.182.551.8111	2.773.8648	2.225m	Trenches_Outer
39	1.003.283.8479	1.182.551.8512	2.773.3328	2.993m	Back_Dark
40					Daylight

Index	X	Y	Z	Radius	Classification
1	1.003.295.8318	1.182.555.8421	2.773.8168	+1.552m	Daylight
2	1.003.295.8231	1.182.555.8554	2.773.8734	-0.205m	Warp
3	1.003.295.1581	1.182.555.8168	2.773.8734	-0.215m	Tag_Dark
4	1.003.295.1581	1.182.555.8168	2.773.2234	-0.215m	Trenches_Outer
5	1.003.291.2203	1.182.555.8994	2.773.8644	+1.855m	DTI/_Fore2
6	1.003.291.2203	1.182.555.8994	2.773.8644	+1.855m	DTI/_Sub
7	1.003.291.2203	1.182.555.8994	2.773.2644	+1.855m	DTI/
8	1.003.291.2203	1.182.555.8994	2.773.2644	+1.855m	Tango
9	1.003.291.1883	1.182.555.8954	2.773.8734	+1.225m	DTI/_Fore1
10	1.003.291.1883	1.182.555.8954	2.773.8734	+1.225m	Dance_Sub
11	1.003.291.1883	1.182.555.8954	2.773.8734	+1.225m	DTI/_Sub
12	1.003.291.1883	1.182.555.8954	2.773.2734	+1.225m	DTI/
13	1.003.291.1883	1.182.555.8954	2.773.2734	+1.225m	Dance_Fore2
14	1.003.291.1883	1.182.555.8954	2.773.2734	+1.225m	Dance
15	1.003.289.8351	1.182.551.8984	2.773.8814	-0.125m	DTI/_Fore2
16	1.003.289.8351	1.182.551.8984	2.773.2814	-0.125m	DTI/_Sub
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19	1.003.289.8351	1.182.551.8984	2.773.2814	-0.125m	Dance_Sub
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23	1.003.289.7231	1.182.551.8913	2.773.4834	0.000m	Dance_Fore2

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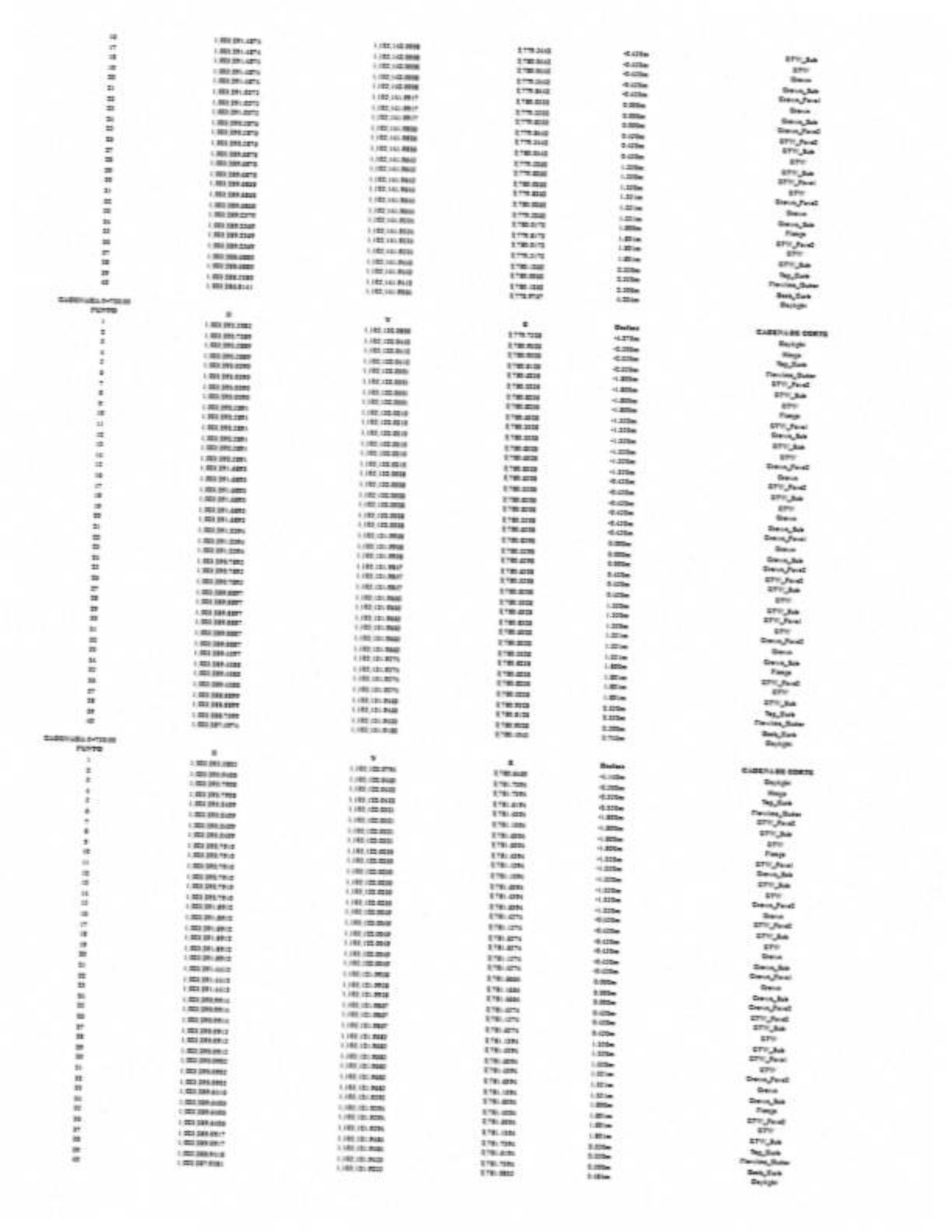
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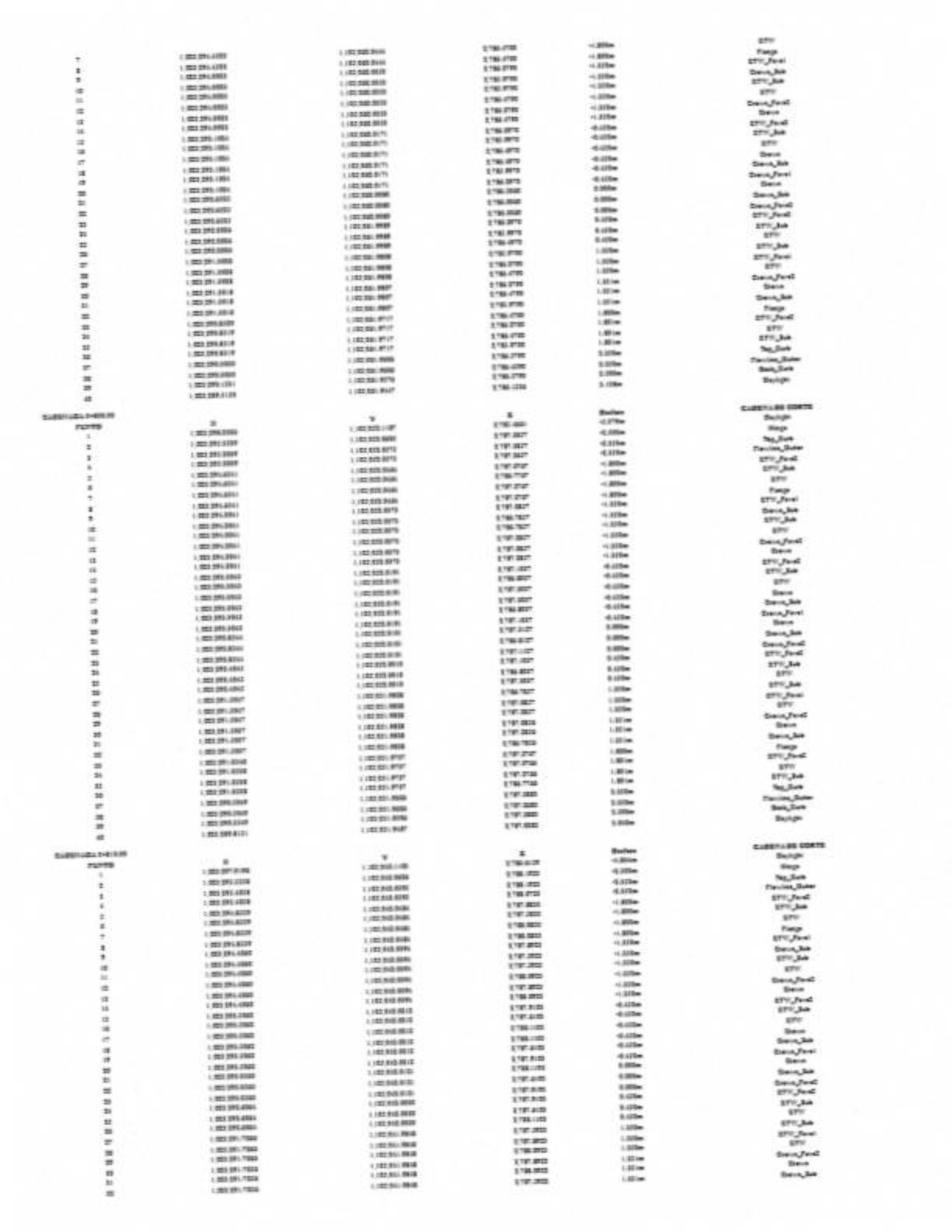
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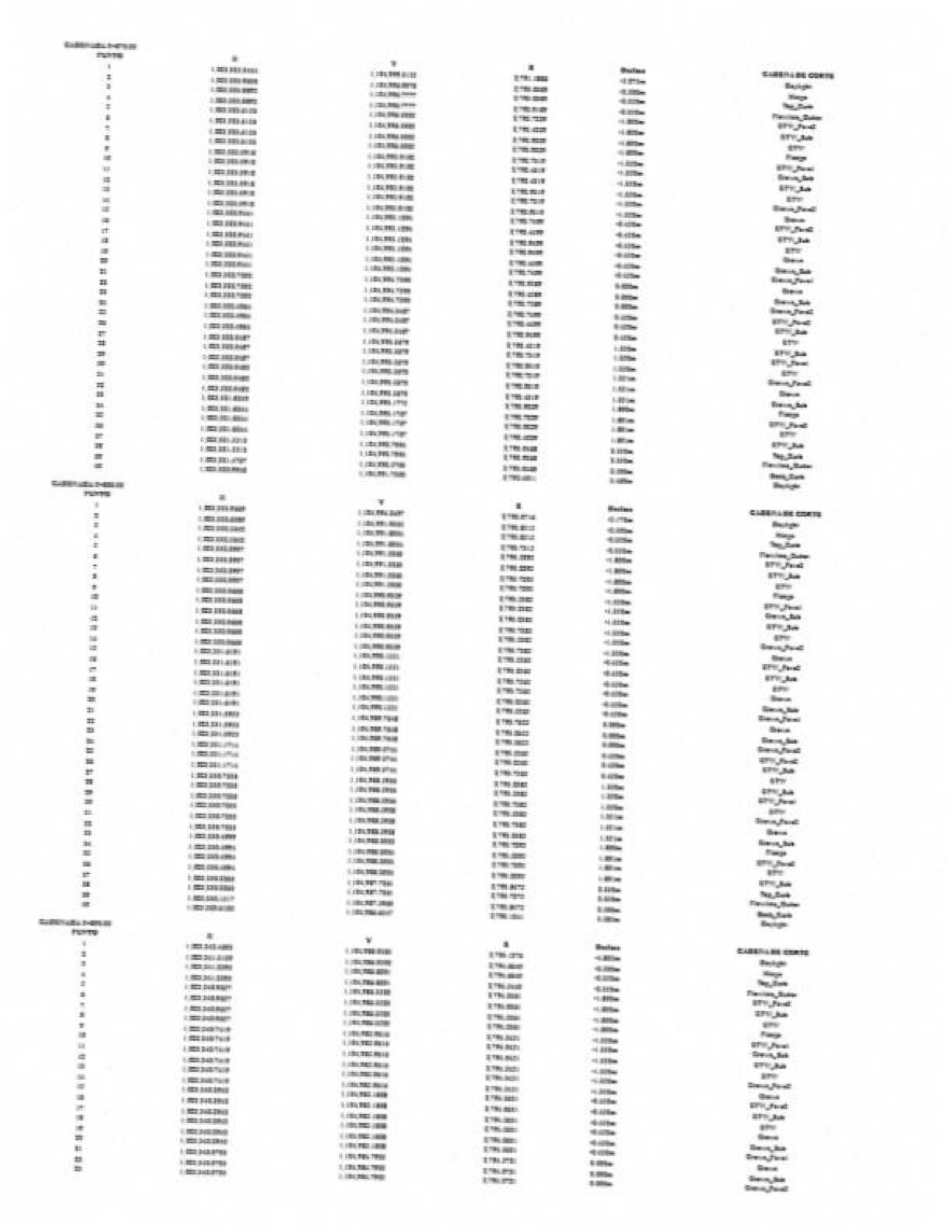


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36	[illegible]	[illegible]	[illegible]	1.805m	ETF/_Ink
37	[illegible]	[illegible]	[illegible]	2.215m	Tag_Dark
38	[illegible]	[illegible]	[illegible]	2.215m	Flawless_Sister
39	[illegible]	[illegible]	[illegible]	2.225m	Back_Dark
40	[illegible]	[illegible]	[illegible]	2.953m	Daylight

Customer Number	X	Y	Z	Status	Customer Name
1	[illegible]	[illegible]	[illegible]	-0.387m	Daylight
2	[illegible]	[illegible]	[illegible]	-0.205m	Mango
3	[illegible]	[illegible]	[illegible]	-0.215m	Tag_Dark
4	[illegible]	[illegible]	[illegible]	-0.215m	Flawless_Sister
5	[illegible]	[illegible]	[illegible]	-1.805m	ETF/_Feral
6	[illegible]	[illegible]	[illegible]	-1.805m	ETF/_Ink
7	[illegible]	[illegible]	[illegible]	-1.805m	ETF/
8	[illegible]	[illegible]	[illegible]	-1.805m	Tango
9	[illegible]	[illegible]	[illegible]	-1.225m	ETF/_Feral
10	[illegible]	[illegible]	[illegible]	-1.225m	Dance_Ink
11	[illegible]	[illegible]	[illegible]	-1.225m	ETF/_Ink
12	[illegible]	[illegible]	[illegible]	-1.225m	ETF/
13	[illegible]	[illegible]	[illegible]	-1.225m	Dance_Feral
14	[illegible]	[illegible]	[illegible]	-1.225m	Dance
15	[illegible]	[illegible]	[illegible]	-0.425m	ETF/_Feral
16	[illegible]	[illegible]	[illegible]	-0.425m	ETF/_Ink
17	[illegible]	[illegible]	[illegible]	-0.425m	ETF/
18	[illegible]	[illegible]	[illegible]	-0.425m	Dance
19	[illegible]	[illegible]	[illegible]	-0.425m	Dance_Ink
20	[illegible]	[illegible]	[illegible]	-0.425m	Dance_Feral
21	[illegible]	[illegible]	[illegible]	0.005m	Dance
22	[illegible]	[illegible]	[illegible]	0.005m	Dance_Ink
23	[illegible]	[illegible]	[illegible]	0.005m	Dance_Feral
24	[illegible]	[illegible]	[illegible]	0.425m	ETF/_Feral
25	[illegible]	[illegible]	[illegible]	0.425m	ETF/_Ink
26	[illegible]	[illegible]	[illegible]	0.425m	ETF/
27	[illegible]	[illegible]	[illegible]	1.225m	ETF/_Ink
28	[illegible]	[illegible]	[illegible]	1.225m	ETF/_Feral
29	[illegible]	[illegible]	[illegible]	1.225m	ETF/
30	[illegible]	[illegible]	[illegible]	1.225m	Dance_Feral
31	[illegible]	[illegible]	[illegible]	1.225m	Dance
32	[illegible]	[illegible]	[illegible]	1.805m	Dance_Ink
33	[illegible]	[illegible]	[illegible]	1.805m	Tango
34	[illegible]	[illegible]	[illegible]	1.805m	ETF/_Feral
35	[illegible]	[illegible]	[illegible]	1.805m	ETF/
36	[illegible]	[illegible]	[illegible]	1.805m	ETF/_Ink
37	[illegible]	[illegible]	[illegible]	2.215m	Tag_Dark
38	[illegible]	[illegible]	[illegible]	2.215m	Flawless_Sister
39	[illegible]	[illegible]	[illegible]	2.225m	Back_Dark
40	[illegible]	[illegible]	[illegible]	2.953m	Daylight

Customer Number	X	Y	Z	Status	Customer Name
1	[illegible]	[illegible]	[illegible]	-0.387m	Daylight
2	[illegible]	[illegible]	[illegible]	-0.205m	Mango
3	[illegible]	[illegible]	[illegible]	-0.215m	Tag_Dark
4	[illegible]	[illegible]	[illegible]	-0.215m	Flawless_Sister
5	[illegible]	[illegible]	[illegible]	-1.805m	ETF/_Feral
6	[illegible]	[illegible]	[illegible]	-1.805m	ETF/_Ink
7	[illegible]	[illegible]	[illegible]	-1.805m	ETF/
8	[illegible]	[illegible]	[illegible]	-1.805m	Tango
9	[illegible]	[illegible]	[illegible]	-1.225m	ETF/_Feral
10	[illegible]	[illegible]	[illegible]	-1.225m	Dance_Ink
11	[illegible]	[illegible]	[illegible]	-1.225m	ETF/_Ink
12	[illegible]	[illegible]	[illegible]	-1.225m	ETF/
13	[illegible]	[illegible]	[illegible]	-1.225m	Dance_Feral
14	[illegible]	[illegible]	[illegible]	-1.225m	Dance
15	[illegible]	[illegible]	[illegible]	-0.425m	ETF/_Feral
16	[illegible]	[illegible]	[illegible]	-0.425m	ETF/_Ink
17	[illegible]	[illegible]	[illegible]	-0.425m	ETF/
18	[illegible]	[illegible]	[illegible]	-0.425m	Dance
19	[illegible]	[illegible]	[illegible]	-0.425m	Dance_Ink
20	[illegible]	[illegible]	[illegible]	-0.425m	Dance_Feral
21	[illegible]	[illegible]	[illegible]	0.005m	Dance
22	[illegible]	[illegible]	[illegible]	0.005m	Dance_Ink
23	[illegible]	[illegible]	[illegible]	0.005m	Dance_Feral





51	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40

16	[illegible]	[illegible]	[illegible]	-0.020m	STV
17	[illegible]	[illegible]	[illegible]	-0.020m	STV_Panel
18	[illegible]	[illegible]	[illegible]	-0.020m	Deck
19	[illegible]	[illegible]	[illegible]	-0.020m	Deck_Sub
20	[illegible]	[illegible]	[illegible]	-0.020m	Deck_Panel
21	[illegible]	[illegible]	[illegible]	0.000m	Deck_Panel
22	[illegible]	[illegible]	[illegible]	0.000m	Deck_Sub
23	[illegible]	[illegible]	[illegible]	0.000m	Deck
24	[illegible]	[illegible]	[illegible]	0.020m	STV_Sub
25	[illegible]	[illegible]	[illegible]	0.020m	STV_Panel
26	[illegible]	[illegible]	[illegible]	0.020m	STV
27	[illegible]	[illegible]	[illegible]	1.200m	STV_Sub
28	[illegible]	[illegible]	[illegible]	1.200m	STV
29	[illegible]	[illegible]	[illegible]	1.200m	STV_Panel
30	[illegible]	[illegible]	[illegible]	1.201m	Deck_Sub
31	[illegible]	[illegible]	[illegible]	1.201m	Deck
32	[illegible]	[illegible]	[illegible]	1.201m	Deck_Panel
33	[illegible]	[illegible]	[illegible]	1.800m	Flange
34	[illegible]	[illegible]	[illegible]	1.801m	STV_Sub
35	[illegible]	[illegible]	[illegible]	1.801m	STV_Panel
36	[illegible]	[illegible]	[illegible]	1.801m	STV
37	[illegible]	[illegible]	[illegible]	2.200m	Flanges_Outer
38	[illegible]	[illegible]	[illegible]	2.200m	Top_Deck
39	[illegible]	[illegible]	[illegible]	2.200m	Deck_Out
40	[illegible]	[illegible]	[illegible]	2.207m	Daylight

CADENA DE CORTE

PUNTO	X	Y	Z	Desface	CADENA DE CORTE
1	[illegible]	[illegible]	[illegible]	-0.052m	Daylight
2	[illegible]	[illegible]	[illegible]	-0.200m	Deck_Out
3	[illegible]	[illegible]	[illegible]	-0.220m	Flanges_Outer
4	[illegible]	[illegible]	[illegible]	-0.220m	Top_Deck
5	[illegible]	[illegible]	[illegible]	-1.800m	STV
6	[illegible]	[illegible]	[illegible]	-1.800m	STV_Panel
7	[illegible]	[illegible]	[illegible]	-1.800m	STV_Sub
8	[illegible]	[illegible]	[illegible]	-1.800m	Flange
9	[illegible]	[illegible]	[illegible]	-1.220m	Deck_Sub
10	[illegible]	[illegible]	[illegible]	-1.220m	STV
11	[illegible]	[illegible]	[illegible]	-1.220m	Deck
12	[illegible]	[illegible]	[illegible]	-1.220m	STV_Sub
13	[illegible]	[illegible]	[illegible]	-1.220m	STV_Panel
14	[illegible]	[illegible]	[illegible]	-1.220m	Deck_Panel
15	[illegible]	[illegible]	[illegible]	-0.020m	STV_Panel
16	[illegible]	[illegible]	[illegible]	-0.020m	STV
17	[illegible]	[illegible]	[illegible]	-0.020m	STV_Sub
18	[illegible]	[illegible]	[illegible]	-0.020m	Deck_Sub
19	[illegible]	[illegible]	[illegible]	-0.020m	Deck_Panel
20	[illegible]	[illegible]	[illegible]	-0.020m	Deck
21	[illegible]	[illegible]	[illegible]	0.000m	Deck_Sub
22	[illegible]	[illegible]	[illegible]	0.000m	Deck_Panel
23	[illegible]	[illegible]	[illegible]	0.000m	Deck
24	[illegible]	[illegible]	[illegible]	0.020m	STV_Sub
25	[illegible]	[illegible]	[illegible]	0.020m	Deck
26	[illegible]	[illegible]	[illegible]	0.020m	STV_Panel
27	[illegible]	[illegible]	[illegible]	1.200m	STV_Sub
28	[illegible]	[illegible]	[illegible]	1.200m	STV
29	[illegible]	[illegible]	[illegible]	1.200m	STV_Panel
30	[illegible]	[illegible]	[illegible]	1.201m	Deck_Sub
31	[illegible]	[illegible]	[illegible]	1.201m	Deck
32	[illegible]	[illegible]	[illegible]	1.201m	Deck_Panel
33	[illegible]	[illegible]	[illegible]	1.800m	Flange
34	[illegible]	[illegible]	[illegible]	1.801m	STV
35	[illegible]	[illegible]	[illegible]	1.801m	STV_Panel
36	[illegible]	[illegible]	[illegible]	1.801m	STV_Sub
37	[illegible]	[illegible]	[illegible]	2.200m	Flanges_Outer
38	[illegible]	[illegible]	[illegible]	2.200m	Top_Deck
39	[illegible]	[illegible]	[illegible]	2.200m	Deck_Out
40	[illegible]	[illegible]	[illegible]	2.207m	Daylight

CADENA DE CORTE

PUNTO	X	Y	Z	Desface	CADENA DE CORTE
1	[illegible]	[illegible]	[illegible]	-0.052m	Daylight
2	[illegible]	[illegible]	[illegible]	-0.200m	Deck_Out
3	[illegible]	[illegible]	[illegible]	-0.220m	Flanges_Outer
4	[illegible]	[illegible]	[illegible]	-0.220m	Top_Deck
5	[illegible]	[illegible]	[illegible]	-1.800m	STV
6	[illegible]	[illegible]	[illegible]	-1.800m	STV_Panel
7	[illegible]	[illegible]	[illegible]	-1.800m	STV_Sub
8	[illegible]	[illegible]	[illegible]	-1.800m	Flange
9	[illegible]	[illegible]	[illegible]	-1.220m	Deck_Sub
10	[illegible]	[illegible]	[illegible]	-1.220m	STV
11	[illegible]	[illegible]	[illegible]	-1.220m	Deck
12	[illegible]	[illegible]	[illegible]	-1.220m	STV_Sub
13	[illegible]	[illegible]	[illegible]	-1.220m	STV_Panel
14	[illegible]	[illegible]	[illegible]	-1.220m	Deck_Panel
15	[illegible]	[illegible]	[illegible]	-0.020m	STV_Panel
16	[illegible]	[illegible]	[illegible]	-0.020m	STV
17	[illegible]	[illegible]	[illegible]	-0.020m	STV_Sub
18	[illegible]	[illegible]	[illegible]	-0.020m	Deck_Sub
19	[illegible]	[illegible]	[illegible]	-0.020m	Deck_Panel
20	[illegible]	[illegible]	[illegible]	-0.020m	Deck
21	[illegible]	[illegible]	[illegible]	0.000m	Deck_Sub
22	[illegible]	[illegible]	[illegible]	0.000m	Deck_Panel
23	[illegible]	[illegible]	[illegible]	0.000m	Deck
24	[illegible]	[illegible]	[illegible]	0.020m	STV_Sub
25	[illegible]	[illegible]	[illegible]	0.020m	Deck
26	[illegible]	[illegible]	[illegible]	0.020m	STV_Panel
27	[illegible]	[illegible]	[illegible]	1.200m	STV_Sub
28	[illegible]	[illegible]	[illegible]	1.200m	STV
29	[illegible]	[illegible]	[illegible]	1.200m	STV_Panel
30	[illegible]	[illegible]	[illegible]	1.201m	Deck_Sub
31	[illegible]	[illegible]	[illegible]	1.201m	Deck
32	[illegible]	[illegible]	[illegible]	1.201m	Deck_Panel
33	[illegible]	[illegible]	[illegible]	1.800m	Flange
34	[illegible]	[illegible]	[illegible]	1.801m	STV
35	[illegible]	[illegible]	[illegible]	1.801m	STV_Panel
36	[illegible]	[illegible]	[illegible]	1.801m	STV_Sub
37	[illegible]	[illegible]	[illegible]	2.200m	Flanges_Outer
38	[illegible]	[illegible]	[illegible]	2.200m	Top_Deck
39	[illegible]	[illegible]	[illegible]	2.200m	Deck_Out
40	[illegible]	[illegible]	[illegible]	2.207m	Daylight

[illegible]	X	Y	Z	Radius	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	Daylight
2	[illegible]	[illegible]	[illegible]	[illegible]	Beds_Dark
3	[illegible]	[illegible]	[illegible]	[illegible]	Fences_Outer
4	[illegible]	[illegible]	[illegible]	[illegible]	Veg_Dark
5	[illegible]	[illegible]	[illegible]	[illegible]	ETI
6	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Fwd
7	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Sub
8	[illegible]	[illegible]	[illegible]	[illegible]	Flags
9	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Sub
10	[illegible]	[illegible]	[illegible]	[illegible]	ETI
11	[illegible]	[illegible]	[illegible]	[illegible]	Grass
12	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Sub
13	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Fwd
14	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Fwd
15	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Fwd
16	[illegible]	[illegible]	[illegible]	[illegible]	ETI
17	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Sub
18	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Sub
19	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Fwd
20	[illegible]	[illegible]	[illegible]	[illegible]	Grass
21	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Sub
22	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Fwd
23	[illegible]	[illegible]	[illegible]	[illegible]	Grass
24	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Sub
25	[illegible]	[illegible]	[illegible]	[illegible]	Grass
26	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Fwd
27	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Sub
28	[illegible]	[illegible]	[illegible]	[illegible]	ETI
29	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Fwd
30	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Sub
31	[illegible]	[illegible]	[illegible]	[illegible]	Grass
32	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Fwd
33	[illegible]	[illegible]	[illegible]	[illegible]	Flags
34	[illegible]	[illegible]	[illegible]	[illegible]	ETI
35	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Fwd
36	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Sub
37	[illegible]	[illegible]	[illegible]	[illegible]	Fences_Outer
38	[illegible]	[illegible]	[illegible]	[illegible]	Veg_Dark
39	[illegible]	[illegible]	[illegible]	[illegible]	Hedge
40	[illegible]	[illegible]	[illegible]	[illegible]	Daylight

[illegible]	X	Y	Z	Radius	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	Daylight
2	[illegible]	[illegible]	[illegible]	[illegible]	Beds_Dark
3	[illegible]	[illegible]	[illegible]	[illegible]	Fences_Outer
4	[illegible]	[illegible]	[illegible]	[illegible]	Veg_Dark
5	[illegible]	[illegible]	[illegible]	[illegible]	ETI
6	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Fwd
7	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Sub
8	[illegible]	[illegible]	[illegible]	[illegible]	Flags
9	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Sub
10	[illegible]	[illegible]	[illegible]	[illegible]	ETI
11	[illegible]	[illegible]	[illegible]	[illegible]	Grass
12	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Sub
13	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Fwd
14	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Fwd
15	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Fwd
16	[illegible]	[illegible]	[illegible]	[illegible]	ETI
17	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Sub
18	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Sub
19	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Fwd
20	[illegible]	[illegible]	[illegible]	[illegible]	Grass
21	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Sub
22	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Fwd
23	[illegible]	[illegible]	[illegible]	[illegible]	Grass
24	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Sub
25	[illegible]	[illegible]	[illegible]	[illegible]	Grass
26	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Fwd
27	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Sub
28	[illegible]	[illegible]	[illegible]	[illegible]	ETI
29	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Fwd
30	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Sub
31	[illegible]	[illegible]	[illegible]	[illegible]	Grass
32	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Fwd
33	[illegible]	[illegible]	[illegible]	[illegible]	Flags
34	[illegible]	[illegible]	[illegible]	[illegible]	ETI
35	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Fwd
36	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Sub
37	[illegible]	[illegible]	[illegible]	[illegible]	Fences_Outer
38	[illegible]	[illegible]	[illegible]	[illegible]	Veg_Dark
39	[illegible]	[illegible]	[illegible]	[illegible]	Hedge
40	[illegible]	[illegible]	[illegible]	[illegible]	Daylight

[illegible]	X	Y	Z	Radius	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	Daylight
2	[illegible]	[illegible]	[illegible]	[illegible]	Hedge
3	[illegible]	[illegible]	[illegible]	[illegible]	Veg_Dark
4	[illegible]	[illegible]	[illegible]	[illegible]	Fences_Outer
5	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Fwd
6	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Sub
7	[illegible]	[illegible]	[illegible]	[illegible]	ETI
8	[illegible]	[illegible]	[illegible]	[illegible]	Flags
9	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Fwd
10	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Sub
11	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Sub
12	[illegible]	[illegible]	[illegible]	[illegible]	ETI
13	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Fwd
14	[illegible]	[illegible]	[illegible]	[illegible]	Grass
15	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Fwd
16	[illegible]	[illegible]	[illegible]	[illegible]	ETI_Sub
17	[illegible]	[illegible]	[illegible]	[illegible]	ETI
18	[illegible]	[illegible]	[illegible]	[illegible]	Grass
19	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Sub
20	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Fwd
21	[illegible]	[illegible]	[illegible]	[illegible]	Grass
22	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Sub
23	[illegible]	[illegible]	[illegible]	[illegible]	Grass_Fwd

1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

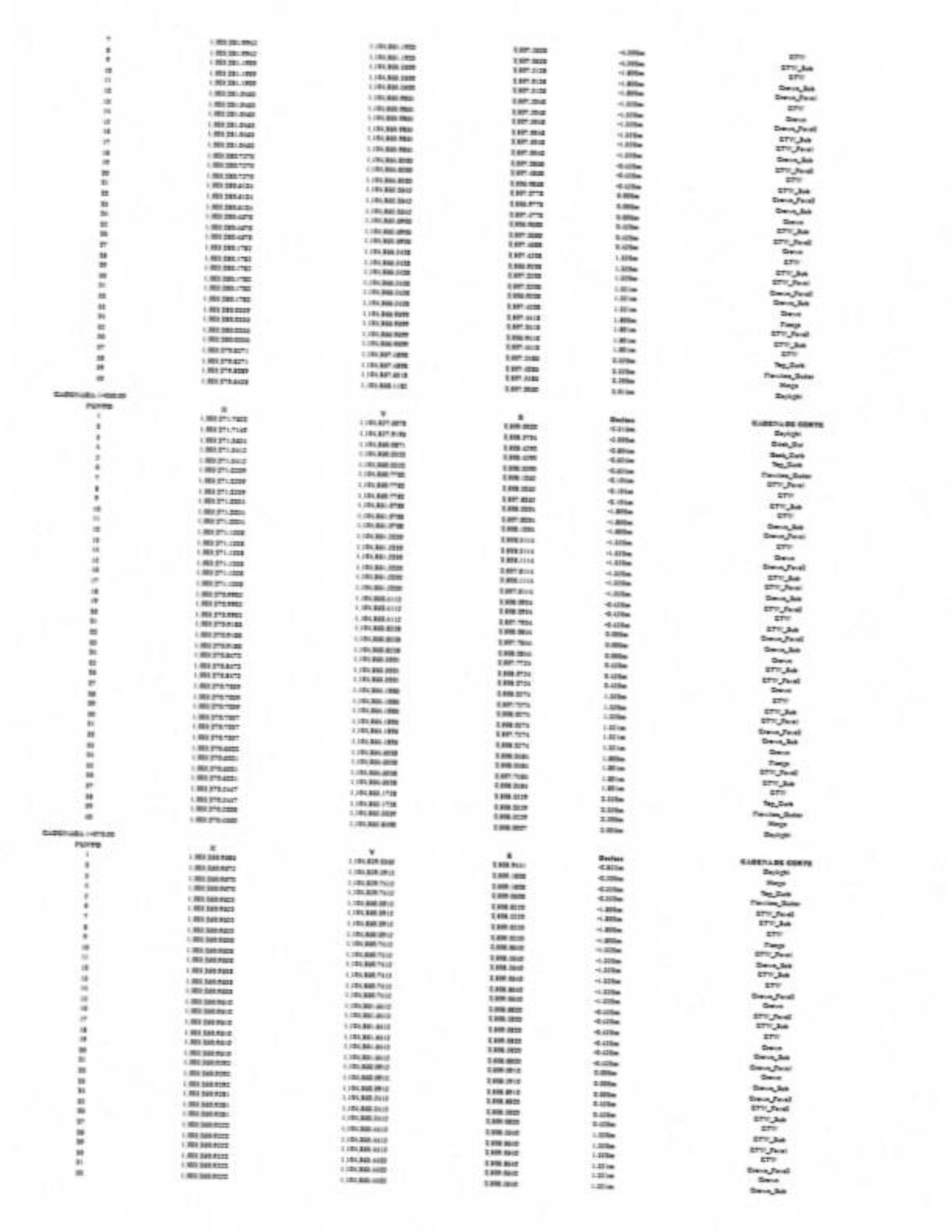
	x	y	z	Shelves	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

	x	y	z	Shelves	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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3	[illegible]	[illegible]	[illegible]	[illegible]	Device_Sub
4	[illegible]	[illegible]	[illegible]	[illegible]	Device_Feed
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11	[illegible]	[illegible]	[illegible]	[illegible]	DTV_Feed
12	[illegible]	[illegible]	[illegible]	[illegible]	Device
13	[illegible]	[illegible]	[illegible]	[illegible]	Device_Sub
14	[illegible]	[illegible]	[illegible]	[illegible]	Device_Feed
15	[illegible]	[illegible]	[illegible]	[illegible]	Device
16	[illegible]	[illegible]	[illegible]	[illegible]	DTV_Sub
17	[illegible]	[illegible]	[illegible]	[illegible]	Device_Feed
18	[illegible]	[illegible]	[illegible]	[illegible]	DTV_Feed
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20	[illegible]	[illegible]	[illegible]	[illegible]	DTV_Sub
21	[illegible]	[illegible]	[illegible]	[illegible]	Relays
22	[illegible]	[illegible]	[illegible]	[illegible]	Veg_Dark
23	[illegible]	[illegible]	[illegible]	[illegible]	Flanders_Sober
24	[illegible]	[illegible]	[illegible]	[illegible]	Beds_Dark
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3	[illegible]	[illegible]	[illegible]	[illegible]	Relays
4	[illegible]	[illegible]	[illegible]	[illegible]	Veg_Dark
5	[illegible]	[illegible]	[illegible]	[illegible]	Flanders_Sober
6	[illegible]	[illegible]	[illegible]	[illegible]	DTV_Sub
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9	[illegible]	[illegible]	[illegible]	[illegible]	Device_Feed
10	[illegible]	[illegible]	[illegible]	[illegible]	Device_Sub
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36	[illegible]	[illegible]	[illegible]	[illegible]	Veg_Dark
37	[illegible]	[illegible]	[illegible]	[illegible]	Flanders_Sober
38	[illegible]	[illegible]	[illegible]	[illegible]	Beds_Dark
39	[illegible]	[illegible]	[illegible]	[illegible]	Daylight
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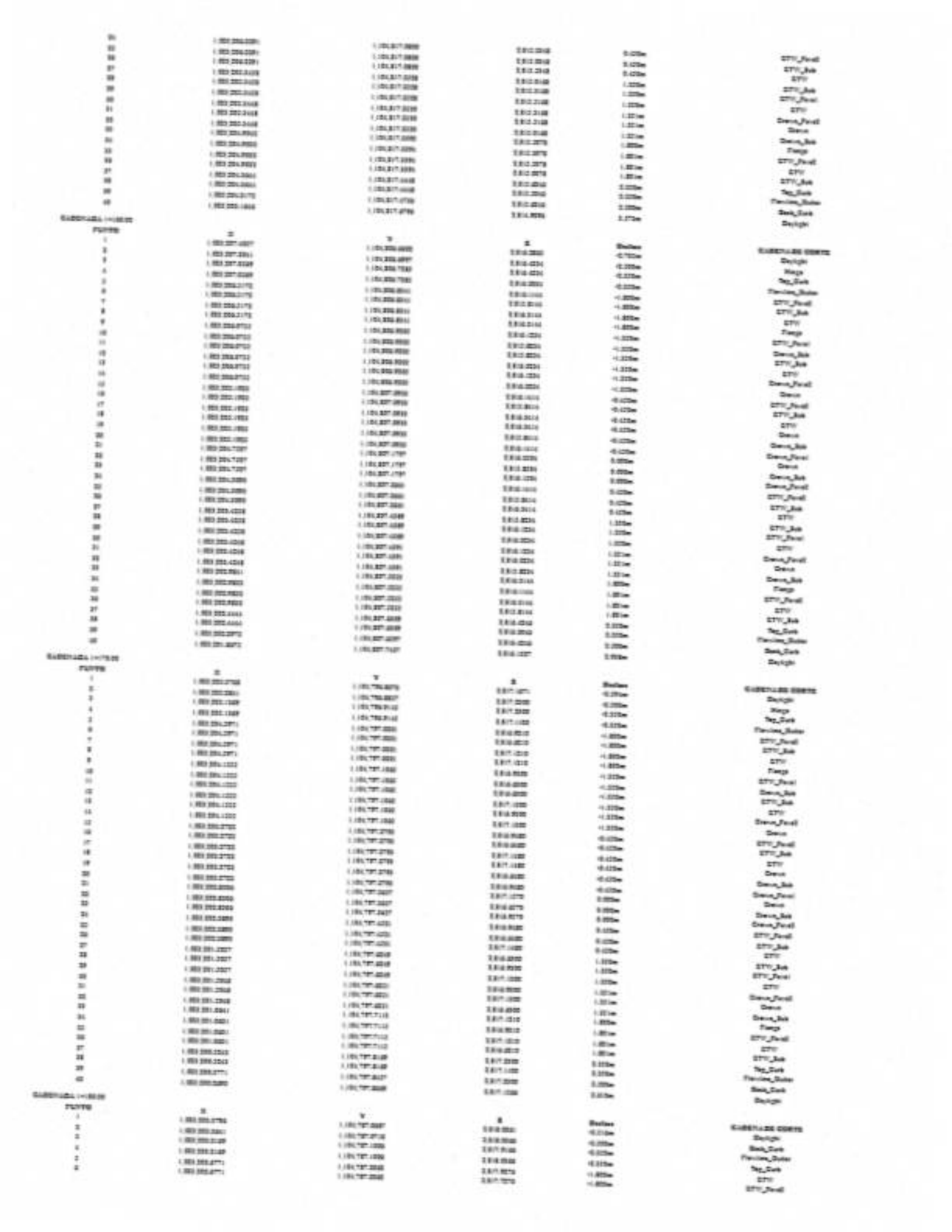












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Your Company Name

123 Main Street

Suite #321

City, State 01234

Alignment Station and Curve Report

Nombre del proyecto: C:\Users\kathe\Downloads\TBD-DG CENTRO-0fbobfvt.dwg

Fecha del informe: 7/11/2024 9:44:54 p. m.

Cliente: Client Company

Descripción de proyecto:

Preparado por: Preparer

Alignment: ALINEACIÓN_TRAMO_1

Description:

Tangent Data

Description	PT Station	Northing	Easting
Start:	0+00.000	1105731.376	1023360.219
End:	0+10.641	1105721.806	1023364.871

Tangent Data

Parameter	Value	Parameter	Value
Length:	10.641	Course:	S 25° 55' 17.2117" E

Curve Point Data

Description	Station	Northing	Easting
PC:	0+10.641	1105721.806	1023364.871
RP:		1105709.810	1023340.190
PT:	0+53.199	1105685.373	1023352.676

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	88° 51' 21.0786"	Type:	RIGHT
Radius:	27.442		
Length:	42.558	Tangent:	26.900
Mid-Ord:	7.845	External:	10.985
Chord:	38.420	Course:	S 18° 30' 23.3276" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	0+53.199	1105685.373	1023352.676
End:	0+59.757	1105682.389	1023346.836

Tangent Data

Parameter	Value	Parameter	Value
Length:	6.558	Course:	S 62° 56' 03.8669" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	0+59.757	1105682.389	1023346.836
End:	0+85.147	1105671.756	1023323.780

Tangent Data

Tangent Data

Parameter	Value	Parameter	Value
Length:	25.390	Course:	S 65° 14' 25.4588" W

Curve Point Data

Description	Station	Northing	Easting
PC:	0+85.147	1105671.756	1023323.780
RP:		1105628.593	1023343.687
PT:	1+29.089	1105638.696	1023297.241

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	52° 58' 04.7290"	Type:	LEFT
Radius:	47.532		
Length:	43.942	Tangent:	23.682
Mid-Ord:	4.988	External:	5.573
Chord:	42.394	Course:	S 38° 45' 23.0944" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	1+29.089	1105638.696	1023297.241
End:	1+37.955	1105630.033	1023295.356

Tangent Data

Parameter	Value	Parameter	Value
Length:	8.866	Course:	S 12° 16' 20.7299" W

Curve Point Data

Description	Station	Northing	Easting
PC:	1+37.955	1105630.033	1023295.356
RP:		1105622.999	1023327.692
PT:	1+84.887	1105592.108	1023315.825

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	81° 15' 33.2370"	Type:	LEFT
Radius:	33.092		
Length:	46.932	Tangent:	28.393
Mid-Ord:	7.977	External:	10.511
Chord:	43.096	Course:	S 28° 21' 25.8886" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1+84.887	1105592.108	1023315.825
End:	2+40.435	1105572.189	1023367.679

Tangent Data

Parameter	Value	Parameter	Value
Length:	55.548	Course:	S 68° 59' 12.5071" E

Curve Point Data

Description	Station	Northing	Easting
PC:	2+40.435	1105572.189	1023367.679
RP:		1105543.213	1023356.549
PT:	2+85.629	1105535.476	1023386.609

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	83° 25' 17.2358"	Type:	RIGHT
Radius:	31.040		
Length:	45.194	Tangent:	27.666
Mid-Ord:	7.868	External:	10.540

Chord:	41.307	Course:	S 27° 16' 33.8892" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	2+85.629	1105535.476	1023386.609
End:	4+64.071	1105362.666	1023342.128

Tangent Data

Parameter	Value	Parameter	Value
Length:	178.442	Course:	S 14° 26' 04.7287" W

Curve Point Data

Description	Station	Northing	Easting
PC:	4+64.071	1105362.666	1023342.128
RP:		1105372.427	1023304.209
PT:	5+00.946	1105336.023	1023318.627

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	53° 57' 33.1358"	Type:	RIGHT
Radius:	39.155		
Length:	36.874	Tangent:	19.933
Mid-Ord:	4.261	External:	4.782
Chord:	35.527	Course:	S 41° 24' 51.2966" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	5+00.946	1105336.023	1023318.627
End:	5+12.067	1105331.928	1023308.287

Tangent Data

Parameter	Value	Parameter	Value
Length:	11.122	Course:	S 68° 23' 37.8644" W

Curve Point Data

Description	Station	Northing	Easting
PC:	5+12.067	1105331.928	1023308.287
RP:		1105303.828	1023319.416
PT:	5+47.826	1105304.147	1023289.193

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	67° 47' 16.2413"	Type:	LEFT
Radius:	30.224		
Length:	35.759	Tangent:	20.305
Mid-Ord:	5.136	External:	6.187
Chord:	33.709	Course:	S 34° 29' 59.7438" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	5+47.826	1105304.147	1023289.193
End:	5+75.483	1105276.491	1023288.901

Tangent Data

Parameter	Value	Parameter	Value
Length:	27.658	Course:	S 00° 36' 21.6231" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	5+75.483	1105276.491	1023288.901
End:	7+02.198	1105149.792	1023290.880

Tangent Data

Parameter	Value	Parameter	Value

Length:	126.715	Course:	S 00° 53' 41.5722" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	7+02.198	1105149.792	1023290.880
End:	8+17.813	1105034.200	1023293.214

Tangent Data

Parameter	Value	Parameter	Value
Length:	115.615	Course:	S 01° 09' 24.3528" E

Curve Point Data

Description	Station	Northing	Easting
PC:	8+17.813	1105034.200	1023293.214
RP:		1105035.014	1023333.513
PT:	8+59.329	1105000.047	1023313.463

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	59° 00' 47.5711"	Type:	LEFT
Radius:	40.308		
Length:	41.516	Tangent:	22.811
Mid-Ord:	5.228	External:	6.007
Chord:	39.705	Course:	S 30° 39' 48.1384" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	8+59.329	1105000.047	1023313.463
End:	8+94.554	1104982.525	1023344.021

Tangent Data

Parameter	Value	Parameter	Value
Length:	35.225	Course:	S 60° 10' 11.9240" E

Curve Point Data

Description	Station	Northing	Easting
PC:	8+94.554	1104982.525	1023344.021
RP:		1104956.147	1023328.896
PT:	9+46.017	1104937.932	1023353.243

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	96° 58' 21.2533"	Type:	RIGHT
Radius:	30.406		
Length:	51.462	Tangent:	34.352
Mid-Ord:	10.253	External:	15.469
Chord:	45.536	Course:	S 11° 41' 01.2973" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	9+46.017	1104937.932	1023353.243
End:	9+62.220	1104924.958	1023343.536

Tangent Data

Parameter	Value	Parameter	Value
Length:	16.204	Course:	S 36° 48' 09.3293" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	9+62.220	1104924.958	1023343.536
End:	10+11.799	1104887.613	1023310.926

Tangent Data

Parameter	Value	Parameter	Value
Length:	49.579	Course:	S 41° 07' 42.4882" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	10+11.799	1104887.613	1023310.926
End:	10+19.079	1104882.171	1023306.091

Tangent Data

Parameter	Value	Parameter	Value
Length:	7.280	Course:	S 41° 36' 51.4317" W

Curve Point Data

Description	Station	Northing	Easting
PC:	10+19.079	1104882.171	1023306.091
RP:		1104921.868	1023261.401
PT:	10+69.367	1104862.094	1023261.593

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	48° 12' 08.9352"	Type:	RIGHT
Radius:	59.775		
Length:	50.288	Tangent:	26.740
Mid-Ord:	5.211	External:	5.708
Chord:	48.818	Course:	S 65° 42' 55.8993" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	10+69.367	1104862.094	1023261.593
End:	10+80.750	1104862.057	1023250.209

Tangent Data

Parameter	Value	Parameter	Value
Length:	11.383	Course:	S 89° 49' 00.3669" W

Curve Point Data

Description	Station	Northing	Easting
PC:	10+80.750	1104862.057	1023250.209
RP:		1104819.719	1023250.345
PT:	11+38.940	1104827.848	1023208.794

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	78° 44' 49.2746"	Type:	LEFT
Radius:	42.338		
Length:	58.189	Tangent:	34.744
Mid-Ord:	9.610	External:	12.431
Chord:	53.717	Course:	S 50° 26' 35.7296" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	11+38.940	1104827.848	1023208.794
End:	12+00.000	1104767.924	1023197.070

Tangent Data

Parameter	Value	Parameter	Value
Length:	61.060	Course:	S 11° 04' 11.0923" W

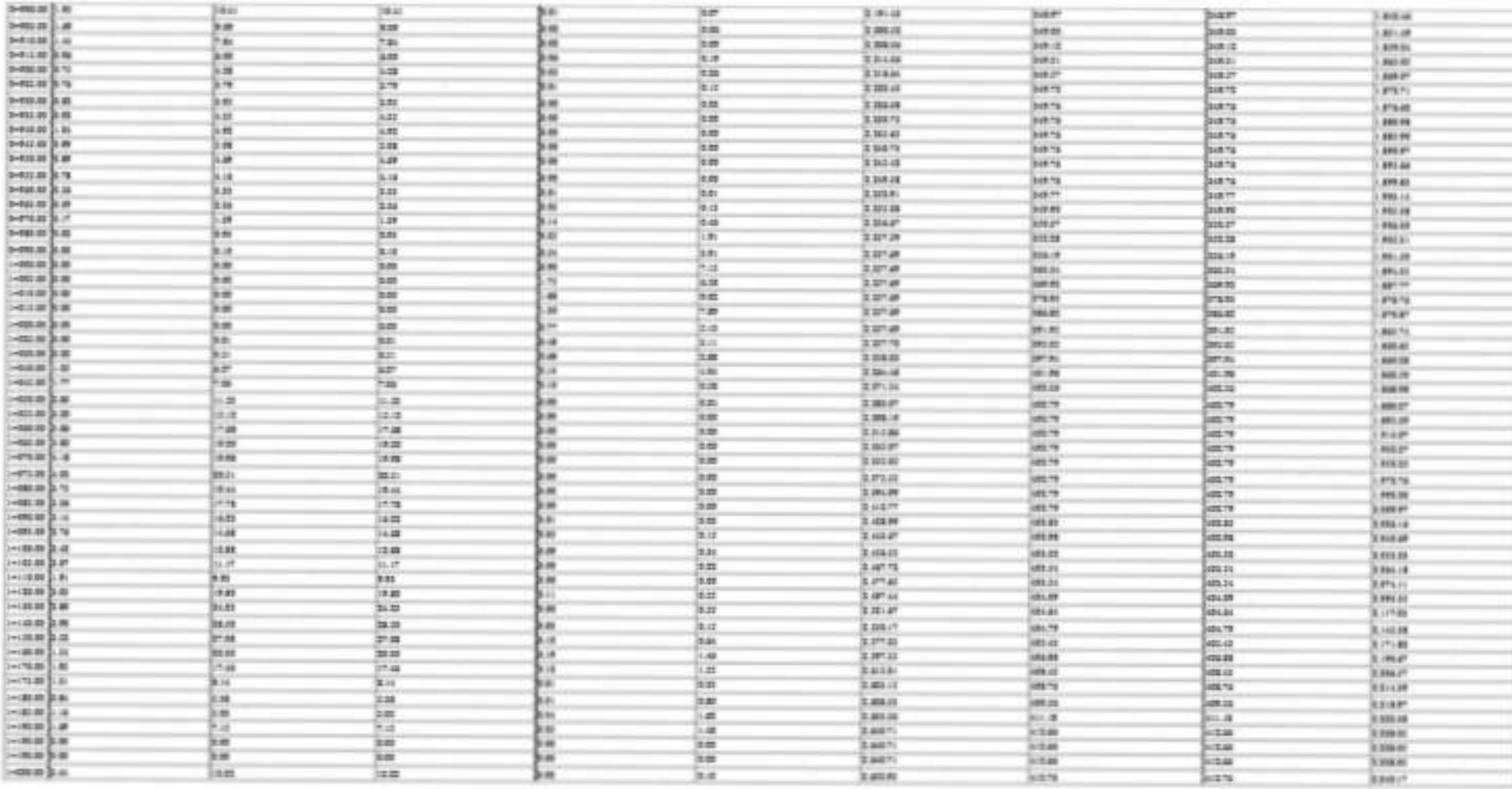
Informe de volumen

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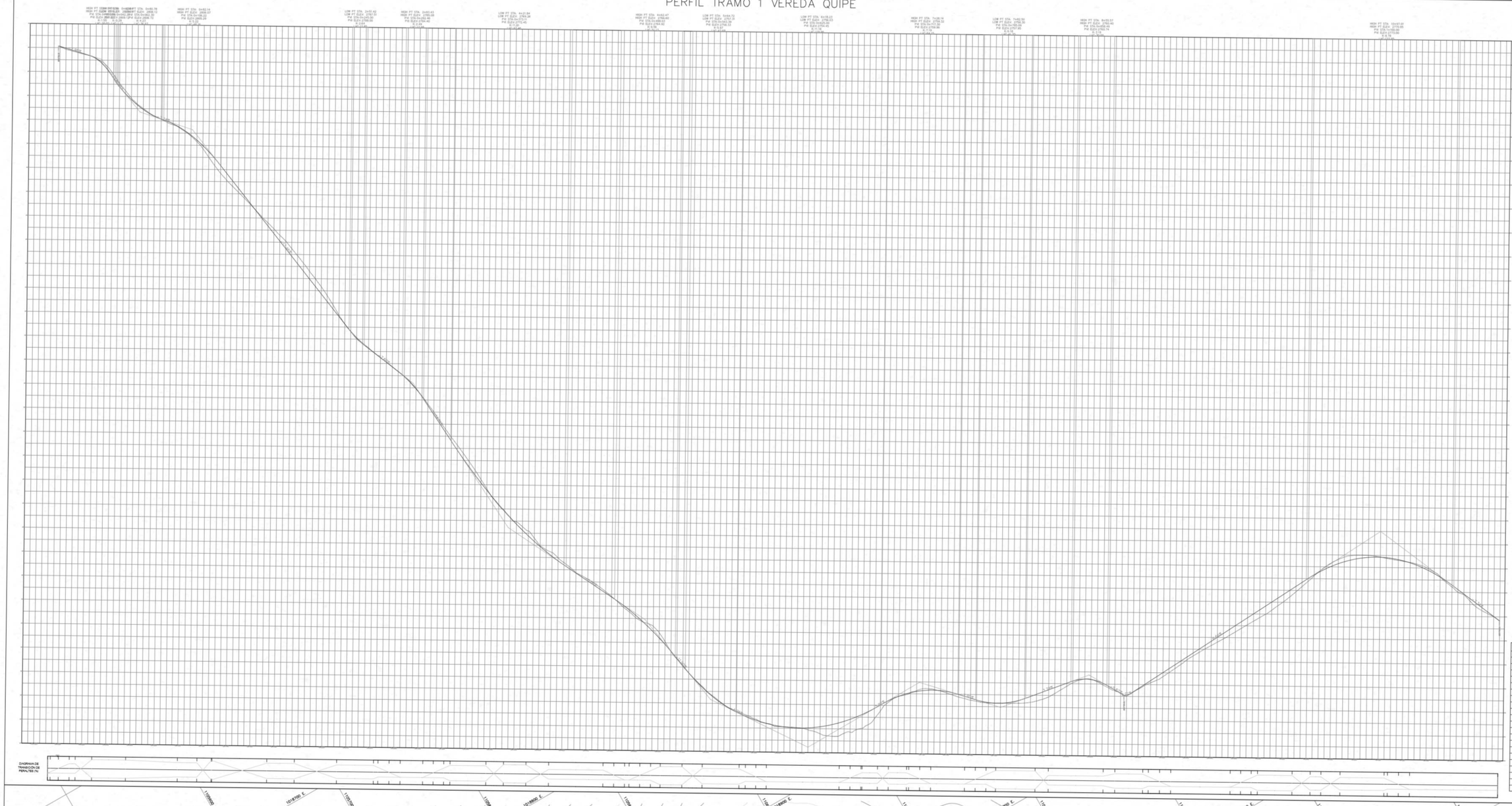
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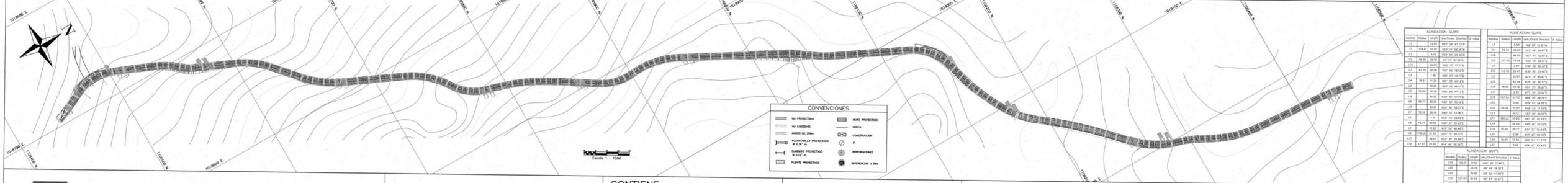
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PERFIL TRAMO 1 VEREDA QUIPE





ALINEACION QUIPE

Number	Radius	Length	Line/Chord Direction	A Value
L1		13.95	N52° 09' 47.22"E	
C1	178.81	10.85	N24° 14' 05.26"E	
L2		9.16	N15° 59' 23.30"E	
C2	46.85	39.56	N41° 51' 02.86"E	
L14		32.85	N22° 17' 11.31"E	
C3	83.76	25.56	N31° 56' 48.97"E	
L3		1.88	N39° 47' 19.73"E	
C4	39.61	11.39	N51° 33' 03.12"E	
L4		35.69	N31° 38' 46.97"E	
C5	72.80	32.28	N35° 39' 47.13"E	
L16		24.02	N48° 38' 47.95"E	
C6	95.77	39.39	N39° 38' 53.16"E	
L15		54.81	N24° 36' 58.57"E	
C7	72.19	39.19	N49° 10' 14.56"E	
L5		4.35	N55° 43' 28.59"E	
C8	43.34	30.69	N35° 20' 07.42"E	
L6		10.33	N15° 59' 40.48"E	
C9	178.68	51.10	N24° 15' 34.31"E	
L7		39.82	N32° 30' 29.84"E	
C10	47.57	29.45	N14° 46' 08.06"E	

ALINEACION QUIPE

Number	Radius	Length	Line/Chord Direction	A Value
L1		6.53	N2° 58' 12.87"W	
C1	74.42	40.65	N12° 26' 29.87"E	
L18		84.50	N37° 51' 13.55"E	
C12	127.62	15.48	N33° 14' 49.57"E	
L8		2.07	N30° 36' 28.48"E	
C13	112.98	22.47	N35° 36' 43.48"E	
L9		21.57	N25° 14' 49.44"E	
L10		43.39	N25° 35' 49.37"E	
C14	48.68	44.18	N51° 7' 33.24"E	
L11		2.53	N77° 35' 33.04"E	
C15	167.04	31.73	N68° 44' 49.29"E	
L12		2.94	N59° 54' 09.19"E	
C16	83.34	32.57	N49° 42' 11.44"E	
L13		4.43	N39° 26' 35.37"E	
C17	395.22	55.63	N41° 28' 42.74"E	
L19		29.39	N45° 46' 55.15"E	
C18	76.92	38.17	N31° 23' 53.67"E	
L20		8.08	N17° 20' 50.10"E	
L21		17.58	N22° 17' 43.17"E	
L22		7.50	N28° 27' 45.43"E	

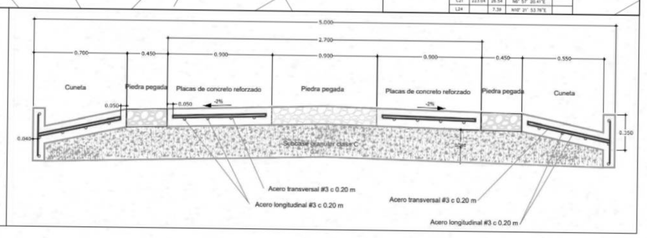
ALINEACION QUIPE

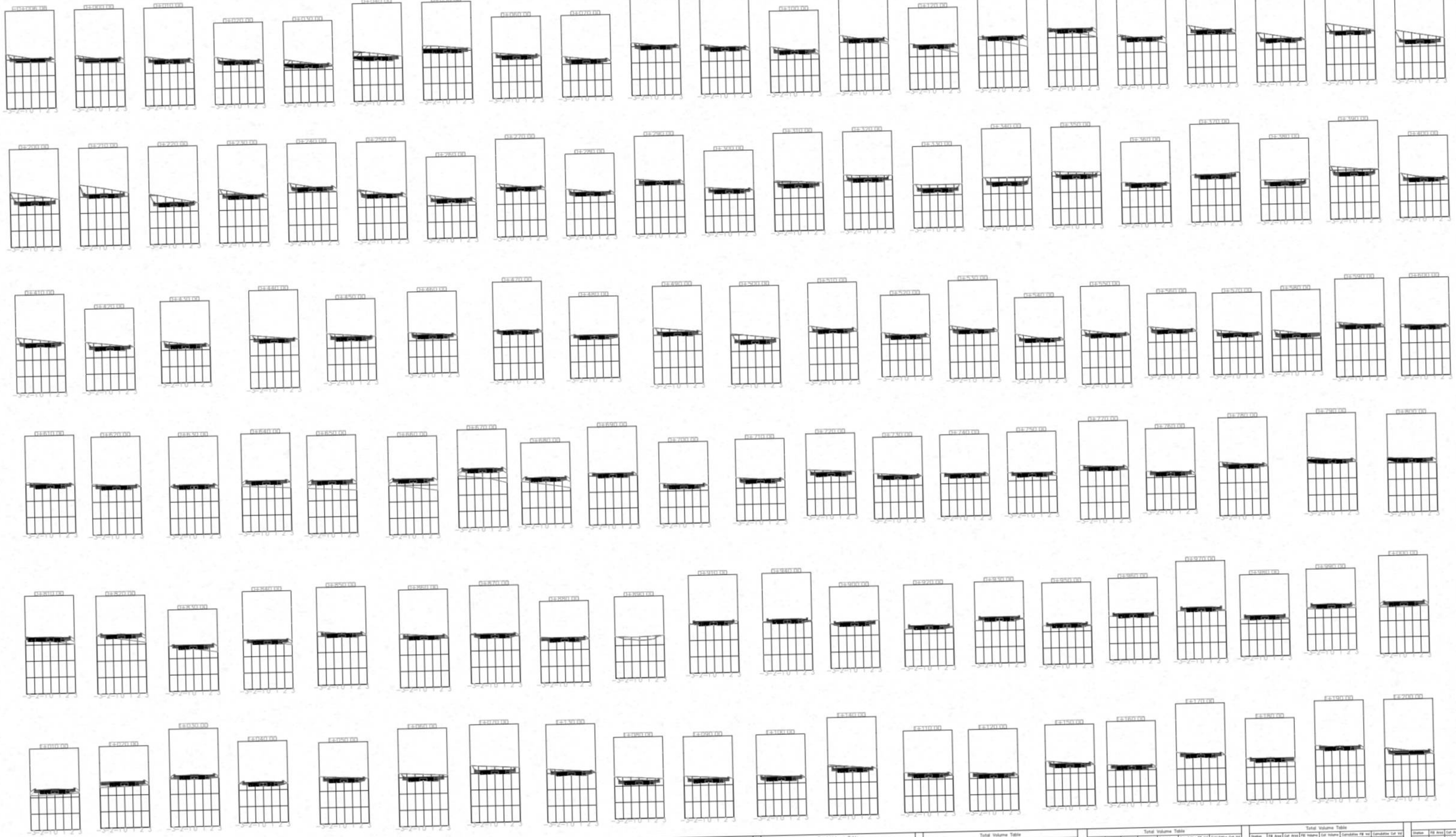
Number	Radius	Length	Line/Chord Direction	A Value
C19	195.31	44.69	N56° 38' 21.84"E	
L23		20.39	N4° 49' 18.26"E	
L24		36.59	N3° 57' 47.06"E	
C21	223.04	28.54	N6° 57' 25.46"E	
L25		7.39	N10° 27' 53.76"E	

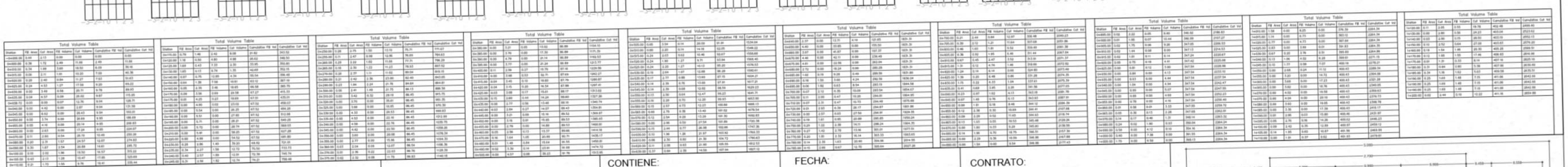
Curve Table: Alignments

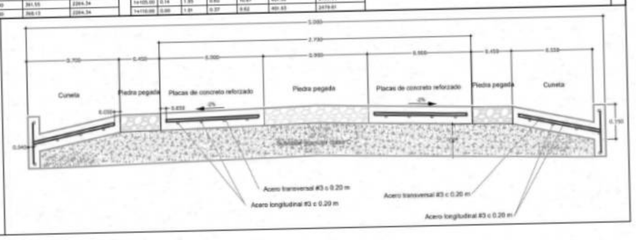
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C21	223.04	28.54	N6° 57' 25.46"E	1019231.44,1106414.91	1019234.05,1106441.14
C20	99.81	17.58	N22° 54' 17.77"E	1019204.31,1106282.78	1019211.14,1106308.95
C19	108.31	44.69	N16° 38' 21.84"E	1019214.78,1106315.64	1019227.47,1106358.15
C18	76.92	38.17	N31° 23' 53.67"E	1019192.72,1106274.79	1019202.55,1106286.98
C17	395.22	55.63	N41° 28' 42.74"E	1019127.05,1106194.96	1019163.54,1106236.51
C16	83.34	32.57	N49° 42' 17.44"E	1019099.99,1106176.71	1019124.31,1106191.47
C15	167.04	31.73	N68° 44' 49.29"E	1019059.23,1106150.40	1019088.33,1106164.85
C14	48.68	44.18	N51° 35' 39.39"E	1019014.48,1106123.36	1019043.83,1106149.91
C13	112.98	22.47	N35° 36' 33.48"E	1018975.00,1106045.50	1018986.54,1106064.76
C12	127.62	15.48	N33° 14' 49.57"E	1018963.39,1106027.39	1018973.77,1106043.80
C11	74.42	40.65	N12° 26' 29.87"E	1018919.71,1105995.20	1018919.23,1105943.84
C10	47.57	29.45	N14° 46' 08.06"E	1018903.68,1105876.66	1018891.05,1105868.69
C9	178.68	51.10	N24° 15' 34.31"E	1018881.84,1105750.13	1018882.76,1105837.77
C8	43.34	30.05	N35° 51' 35.63"E	1018841.62,1105757.43	1018858.67,1105781.31
C7	72.19	39.19	N49° 10' 14.56"E	1018813.08,1105725.42	1018838.05,1105765.60
C6	95.77	39.39	N39° 38' 53.16"E	1018769.82,1105644.23	1018790.25,1105675.60
C5	72.80	32.28	N35° 39' 47.13"E	1018728.41,1105631.02	1018747.22,1105636.92
C4	39.61	11.39	N33° 33' 03.12"E	1018706.36,1105598.60	1018714.33,1105608.27
C3	83.76	25.56	N31° 02' 19.52"E	1018694.04,1105535.35	1018707.17,1105557.17
C2	46.85	39.56	N41° 51' 02.86"E	1018642.83,1105445.58	1018681.58,1105534.90
C1	178.81	10.85	N24° 14' 05.26"E	1018689.55,1105432.01	1018685.65,1105461.89

MUNICIPIO DE CALDAS, BOYACÁ	**APROBÓ:** SECRETARÍA DE PLANEACIÓN Y OBRAS PÚBLICAS	CONTIENE: DISEÑO GEOMÉTRICO PLANTA-PERFIL TRAMO 2 - VEREDA QUIPE K0+000 - K1+200	FECHA: NOVIEMBRE 2024	CONTRATO: IPMC-017-2024 ELABORACIÓN DE ESTUDIOS Y DISEÑOS PARA EL MEJORAMIENTO DE LAS VÍAS TERCIARIAS EN LAS VEREDAS DE QUIPE Y CENTRO DEL MUNICIPIO DE CALDAS, BOYACÁ
PROYECTO: MEJORAMIENTO DE VÍAS MEDIANTE LA CONSTRUCCIÓN DE PLACA HUELLAS EN ZONA RURAL DEL MUNICIPIO DE CALDAS - BOYACÁ	**DISEÑÓ:** IVON KATHERINE HERNANDEZ PACHON M.P. 01116-10830	ESCALAS: 1:1000 INDICADAS	ARCHIVO: DG QUIPE / PLANO No. 1 DE 2	









MUNICIPIO DE CALDAS, BOYACÁ	APROBÓ: SECRETARÍA DE PLANEACIÓN Y OBRAS PÚBLICAS
PROYECTO: MEJORAMIENTO DE VÍAS MEDIANTE LA CONSTRUCCIÓN DE PLACA HUELLAS EN ZONA RURAL DEL MUNICIPIO DE CALDAS - BOYACÁ	DISEÑÓ: ING. JONATHERINE HERNANDEZ PACHÓN M.P. 01116-10830
CONTIENE: DISEÑO GEOMÉTRICO SECCIONES TRANSVERSALES TRAMO 2 - VEREDA QUIPE K0+000 - K1+200	ESCALAS: 1:1000 INDICADAS
FECHA: NOVIEMBRE 2024	ARCHIVO: DG QUIPE
PLANO No. 2 DE 2	CONTRATO: IPMC-017-2024 ELABORACIÓN DE ESTUDIOS Y DISEÑOS PARA EL MEJORAMIENTO DE LAS VÍAS TERCIARIAS EN LAS VEREDAS DE QUIPE Y CENTRO DEL MUNICIPIO DE CALDAS, BOYACÁ