DISEÑO DE RASANTE CALLE 15

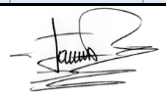
	Lado Izquierdo				Peralte	Eje					Peralte	Lado Derecho			
Abscisa	Chaflan		Calzada		Izquierdo	Coordenada (m)		Cota (m)			Derecho	Calzada		Chaflan	
(m)	*Cota (m)*	*Distancia Eje (m)*	*Cota (m)*	*Distancia Eje (m)*	*(%)*	*N*	*E*	*Negra*	*Roja*	*Subrasante*	*(%)*	*Distancia Eje (m)*	*Cota (m)*	*Distancia Eje (m)*	*Cota (m)*
0	19,104	3,401	18,728	1,500	-2	1463992,851	990553,544	18,943	18,758	18,058	-2	1,500	18,728	2,927	18,789
10	19,529	3,077	19,315	1,500	-2	1463991,121	990543,695	19,315	19,345	18,645	-2	1,500	19,315	3,509	19,085
20	19,996	2,859	19,901	1,500	-2	1463989,390	990533,846	19,837	19,931	19,231	-2	1,500	19,901	3,660	19,595
30	20,469	2,950	20,419	1,500	-2	1463987,660	990523,997	20,507	20,449	19,749	-2	1,500	20,419	2,870	20,509
40	20,786	3,080	20,801	1,500	-2	1463985,929	990514,148	20,659	20,831	20,131	-2	1,500	20,801	3,297	20,677
50	21,094	3,091	21,115	1,500	-2	1463984,198	990504,298	21,148	21,145	20,445	-2	1,500	21,115	3,006	21,137
60	21,473	3,073	21,485	1,500	-2	1463982,468	990494,449	21,520	21,515	20,815	-2	1,500	21,485	2,941	21,631
PC1 65.826	**21,760**	**3,084**	**21,777**	**1,500**	**-2**	**1463981,459**	**990488,711**	**21,736**	**21,807**	**21,107**	**-2**	**1,500**	**21,777**	**3,095**	**22,000**
70	22,062	2,968	22,022	1,500	-2	1463980,724	990484,602	22,128	22,052	21,352	-2	1,500	22,022	3,085	22,240
75	22,418	2,905	22,346	1,500	-2	1463979,810	990479,687	22,420	22,376	21,676	-2	1,500	22,346	3,076	22,560
80	22,771	2,855	22,674	1,500	-2	1463978,860	990474,778	22,710	22,704	22,004	-2	1,500	22,674	3,179	22,939
85	23,116	2,879	23,001	1,500	-2	1463977,874	990469,876	22,998	23,031	22,331	-2	1,500	23,001	3,132	23,243
90	23,459	2,909	23,329	1,500	-2	1463976,851	990464,982	23,288	23,359	22,659	-2	1,500	23,329	2,896	23,405
95	23,799	2,948	23,649	1,500	-2	1463975,792	990460,095	23,634	23,679	22,979	-2	1,500	23,649	3,304	23,521
100	24,131	3,052	23,930	1,500	-2	1463974,696	990455,217	23,983	23,960	23,260	-2	1,500	23,930	3,587	23,661
105	24,457	3,228	24,168	1,500	-2	1463973,565	990450,346	24,198	24,198	23,497	-2	1,500	24,168	3,698	23,843
PT1 106.988	**24,584**	**3,317**	**24,250**	**1,500**	**-2**	**1463973,105**	**990448,413**	**24,278**	**24,280**	**23,580**	**-2**	**1,500**	**24,250**	**3,658**	**23,945**
110	24,675	3,276	24,362	1,500	-2	1463972,404	990445,483	24,379	24,392	23,692	-2	1,500	24,362	3,452	24,161
120	24,917	3,133	24,675	1,500	-2	1463970,077	990435,758	24,637	24,705	24,005	-2	1,500	24,675	3,012	24,694
130	25,159	2,997	24,985	1,500	-2	1463967,750	990426,032	25,019	25,015	24,315	-2	1,500	24,985	3,395	24,812
140	25,318	3,001	25,294	1,500	-2	1463965,422	990416,307	25,175	25,324	24,624	-2	1,500	25,294	3,697	24,970
150	25,675	2,907	25,604	1,500	-2	1463963,095	990406,581	25,580	25,634	24,934	-2	1,500	25,604	3,364	25,446
160	25,990	2,896	25,913	1,500	-2	1463960,768	990396,856	25,942	25,943	25,243	-2	1,500	25,913	3,409	25,733
170	26,315	2,864	26,223	1,500	-2	1463958,440	990387,131	26,279	26,253	25,553	-2	1,500	26,223	3,066	26,214
170,91	26,333	2,885	26,251	1,500	-2	1463958,229	990386,246	26,319	26,281	25,581	-2	1,500	26,251	3,059	26,246



ING. JAIME ARNALDO RUBIANO CAMARGO
TP: 25202137446CND
Esp. Gerencia de Proyectos

DISEÑO DE RASANTE CALLE 16

	Lado Izquierdo				Peralte	Eje					Peralte	Lado Derecho			
Abscisa	Chaflan		Calzada		Izquierdo	Coordenada (m)		Cota (m)			Derecho	Calzada		Chaflan	
(m)	*Cota (m)*	*Distancia Eje (m)*	*Cota (m)*	*Distancia Eje (m)*	*(%)*	*N*	*E*	*Negra*	*Roja*	*Subrasante*	*(%)*	*Distancia Eje (m)*	*Cota (m)*	*Distancia Eje (m)*	*Cota (m)*
0	17,475	4,379	17,110	2,500	-2	1464025,772	990548,609	17,268	17,160	16,460	-2	2,500	17,110	3,915	17,177
10	17,711	4,241	17,415	2,500	-2	1464023,733	990538,819	17,519	17,465	16,765	-2	2,500	17,415	3,904	17,488
20	17,943	4,009	17,763	2,500	-2	1464021,695	990529,029	17,806	17,813	17,113	-2	2,500	17,763	3,978	17,799
30	18,569	4,339	18,224	2,500	-2	1464019,656	990519,239	18,307	18,274	17,574	-2	2,500	18,224	4,035	18,417
40	19,084	4,306	18,756	2,500	-2	1464017,618	990509,449	18,825	18,806	18,106	-2	2,500	18,756	3,935	18,899
50	19,434	3,942	19,288	2,500	-2	1464015,579	990499,659	19,322	19,338	18,638	-2	2,500	19,288	3,954	19,336
PC1 53.528	**19,562**	**3,877**	**19,476**	**2,500**	**-2**	**1464014,860**	**990496,205**	**19,497**	**19,526**	**18,826**	**-2**	**2,500**	**19,476**	**4,019**	**19,491**
55	19,620	3,918	19,555	2,500	-2	1464014,557	990494,765	19,570	19,605	18,904	-2	2,500	19,555	4,031	19,564
60	19,825	4,040	19,821	2,500	-2	1464013,480	990489,882	19,818	19,871	19,171	-2	2,500	19,821	4,050	19,820
65	20,141	3,940	20,087	2,500	-2	1464012,332	990485,016	20,114	20,137	19,437	-2	2,500	20,087	3,928	20,148
70	20,567	4,076	20,353	2,500	-2	1464011,113	990480,167	20,418	20,403	19,703	-2	2,500	20,353	3,970	20,514
75	21,040	4,490	20,620	2,500	-2	1464009,822	990475,336	20,741	20,670	19,970	-2	2,500	20,620	4,025	20,807
80	21,299	4,475	20,886	2,500	-2	1464008,460	990470,525	20,986	20,936	20,236	-2	2,500	20,886	3,979	20,921
85	21,525	4,395	21,152	2,500	-2	1464007,028	990465,735	21,242	21,202	20,502	-2	2,500	21,152	3,978	21,188
90	21,569	3,950	21,419	2,500	-2	1464005,526	990460,966	21,465	21,469	20,769	-2	2,500	21,419	4,121	21,383
PT1 93.580	**21,640**	**3,987**	**21,609**	**2,500**	**-2**	**1464004,407**	**990457,565**	**21,606**	**21,659**	**20,959**	**-2**	**2,500**	**21,609**	**4,213**	**21,527**
100	22,006	3,939	21,951	2,500	-2	1464002,368	990451,477	21,916	22,001	21,301	-2	2,500	21,951	4,077	21,937
110	22,535	3,947	22,484	2,500	-2	1463999,193	990441,995	22,578	22,534	21,834	-2	2,500	22,484	3,899	22,559
120	23,082	3,851	22,982	2,500	-2	1463996,018	990432,512	22,973	23,032	22,332	-2	2,500	22,982	4,036	23,176
130	23,446	3,992	23,418	2,500	-2	1463992,843	990423,030	23,246	23,468	22,768	-2	2,500	23,418	4,178	23,353
140	23,773	4,152	23,825	2,500	-2	1463989,667	990413,547	23,541	23,875	23,175	-2	2,500	23,825	4,474	23,612
150	24,360	3,906	24,232	2,500	-2	1463986,492	990404,065	24,252	24,282	23,582	-2	2,500	24,232	4,175	24,169
PC2 155.257	**24,647**	**4,051**	**24,446**	**2,500**	**-2**	**1463984,823**	**990399,080**	**24,455**	**24,496**	**23,796**	**-2**	**2,500**	**24,446**	**3,973**	**24,484**
160	24,907	4,186	24,639	2,500	-2	1463983,348	990394,572	24,684	24,689	23,988	-2	2,500	24,639	3,852	24,740
165	24,922	3,871	24,833	2,500	-2	1463981,862	990389,798	24,844	24,883	24,183	-2	2,500	24,833	3,969	24,873
170	25,173	3,969	25,013	2,500	-2	1463980,446	990385,003	25,030	25,063	24,363	-2	2,500	25,013	4,044	25,016
175	25,392	4,076	25,179	2,500	-2	1463979,101	990380,187	25,142	25,229	24,529	-2	2,500	25,179	3,956	25,332
PT2 178.523	**25,526**	**4,126**	**25,287**	**2,500**	**-2**	**1463978,196**	**990376,783**	**25,218**	**25,337**	**24,637**	**-2**	**2,500**	**25,287**	**4,183**	**25,554**
180	25,580	4,150	25,330	2,500	-2	1463977,824	990375,353	25,249	25,380	24,680	-2	2,500	25,330	4,286	25,648
190	26,026	4,522	25,590	2,500	-2	1463975,304	990365,676	26,065	25,640	24,940	-2	2,500	25,590	4,098	25,815
200	26,257	4,578	25,792	2,500	-2	1463972,785	990355,998	25,801	25,842	25,142	-2	2,500	25,792	4,087	25,774
210	26,210	4,193	25,938	2,500	-2	1463970,266	990346,321	25,951	25,988	25,287	-2	2,500	25,938	4,058	25,933
220	26,160	3,919	26,025	2,500	-2	1463967,747	990336,643	26,100	26,075	25,375	-2	2,500	26,025	3,918	26,091
230	26,129	3,915	26,062	2,500	-2	1463965,227	990326,966	26,191	26,112	25,412	-2	2,500	26,062	4,037	26,256
240	26,040	4,150	26,090	2,500	-2	1463962,708	990317,288	26,107	26,140	25,440	-2	2,500	26,090	4,027	26,279
250	25,952	4,277	26,066	2,500	-2	1463960,189	990307,611	26,023	26,116	25,416	-2	2,500	26,066	4,070	26,277
260	25,870	4,080	25,886	2,500	-2	1463957,669	990297,933	25,968	25,936	25,235	-2	2,500	25,886	3,852	25,987
270	25,712	3,881	25,596	2,500	-2	1463955,150	990288,256	25,669	25,646	24,946	-2	2,500	25,596	3,866	25,688
280	25,556	4,152	25,304	2,500	-2	1463952,631	990278,579	25,362	25,354	24,654	-2	2,500	25,304	3,895	25,381
290	25,236	4,098	25,012	2,500	-2	1463950,112	990268,901	25,055	25,062	24,362	-2	2,500	25,012	3,923	25,075
294,314	24,987	3,851	24,886	2,500	-2	1463949,025	990264,726	24,936	24,936	24,236	-2	2,500	24,886	3,869	24,976



ING. JAIME ARNALDO RUBIANO CAMARGO
TP: 25202137446CND
Esp. Gerencia de Proyectos

DISEÑO DE RASANTE CALLE 18

	Lado Izquierdo				Peralte	Eje					Peralte	Lado Derecho			
Abscisa	Chaflan		Calzada		Izquierdo	Coordenada (m)		Cota (m)			Derecho	Calzada		Chaflan	
(m)	*Cota (m)*	*Distancia Eje (m)*	*Cota (m)*	*Distancia Eje (m)*	*(%)*	*N*	*E*	*Negra*	*Roja*	*Subrasante*	*(%)*	*Distancia Eje (m)*	*Cota (m)*	*Distancia Eje (m)*	*Cota (m)*
0	15,849	3,228	15,560	1,500	-2	1464077,703	990532,594	15,896	15,590	14,890	-2	1,500	15,560	3,294	15,882
10	16,664	3,485	16,247	1,500	-2	1464075,248	990522,900	16,300	16,277	15,576	-2	1,500	16,247	3,003	16,269
PC1 17.615	**17,337**	**3,784**	**16,770**	**1,500**	**-2**	**1464073,378**	**990515,518**	**16,878**	**16,800**	**16,099**	**-2**	**1,500**	**16,770**	**3,342**	**16,623**
20	17,554	3,890	16,933	1,500	-2	1464072,816	990513,200	17,086	16,963	16,263	-2	1,500	16,933	3,456	16,730
30	18,248	3,905	17,620	1,500	-2	1464070,979	990503,373	17,681	17,650	16,950	-2	1,500	17,620	3,949	17,170
40	18,745	3,524	18,307	1,500	-2	1464069,990	990493,426	18,286	18,337	17,637	-2	1,500	18,307	3,964	17,850
PT1 42.184	**18,850**	**3,435**	**18,457**	**1,500**	**-2**	**1464069,887**	**990491,244**	**18,561**	**18,487**	**17,787**	**-2**	**1,500**	**18,457**	**3,933**	**18,015**
50	19,270	3,211	18,989	1,500	-2	1464069,593	990483,434	19,011	19,019	18,319	-2	1,500	18,989	3,773	18,627
60	19,850	3,055	19,647	1,500	-2	1464069,217	990473,441	19,628	19,677	18,977	-2	1,500	19,647	3,521	19,411
70	20,614	3,306	20,286	1,500	-2	1464068,840	990463,448	20,451	20,316	19,615	-2	1,500	20,286	4,441	19,590
PC2 71.213	**20,682**	**3,288**	**20,363**	**1,500**	**-2**	**1464068,795**	**990462,236**	**20,487**	**20,393**	**19,693**	**-2**	**1,500**	**20,363**	**4,359**	**19,708**
75	20,893	3,228	20,604	1,500	-2	1464068,628	990458,452	20,695	20,634	19,934	-2	1,500	20,604	4,089	20,084
80	21,158	3,121	20,922	1,500	-2	1464068,337	990453,461	20,978	20,952	20,252	-2	1,500	20,922	3,719	20,588
85	21,429	3,040	21,234	1,500	-2	1464067,964	990448,475	21,256	21,264	20,564	-2	1,500	21,234	3,439	21,039
90	21,704	3,040	21,509	1,500	-2	1464067,509	990443,496	21,401	21,539	20,839	-2	1,500	21,509	3,607	21,230
95	21,979	3,110	21,749	1,500	-2	1464066,972	990438,525	21,627	21,779	21,079	-2	1,500	21,749	3,679	21,434
100	22,200	3,078	21,985	1,500	-2	1464066,353	990433,563	22,012	22,015	21,315	-2	1,500	21,985	3,688	21,666
105	22,397	2,999	22,222	1,500	-2	1464065,653	990428,612	22,380	22,252	21,552	-2	1,500	22,222	3,349	22,072
110	22,594	2,921	22,458	1,500	-2	1464064,872	990423,674	22,594	22,488	21,788	-2	1,500	22,458	2,998	22,484
PT2 111.499	**22,653**	**2,897**	**22,529**	**1,500**	**-2**	**1464064,622**	**990422,196**	**22,654**	**22,559**	**21,859**	**-2**	**1,500**	**22,529**	**2,854**	**22,631**
120	22,946	3,339	23,091	1,500	-2	1464063,184	990413,817	23,094	23,121	22,421	-2	1,500	23,091	3,426	23,479
130	24,199	3,412	24,380	1,500	-2	1464061,491	990403,962	24,495	24,410	23,710	-2	1,500	24,380	2,883	24,497
PC3 132.673	**24,354**	**3,603**	**24,631**	**1,500**	**-2**	**1464061,039**	**990401,327**	**24,666**	**24,661**	**23,961**	**-2**	**1,500**	**24,631**	**3,084**	**24,613**
135	24,375	3,887	24,794	1,500	-2	1464060,637	990399,035	24,803	24,824	24,124	-2	1,500	24,794	3,219	24,709
140	24,359	4,457	25,063	1,500	-2	1464059,713	990394,121	25,024	25,093	24,393	-2	1,500	25,063	3,431	24,872
145	24,554	4,601	25,330	1,500	-2	1464058,708	990389,223	25,351	25,360	24,660	-2	1,500	25,330	3,627	25,041
150	24,833	4,515	25,565	1,500	-2	1464057,623	990384,343	25,545	25,595	24,895	-2	1,500	25,565	3,728	25,226
155	25,118	4,290	25,738	1,500	-2	1464056,458	990379,480	25,744	25,768	25,068	-2	1,500	25,738	3,658	25,434
PT3 158.618	**25,299**	**4,100**	**25,825**	**1,500**	**-2**	**1464055,565**	**990375,975**	**25,891**	**25,855**	**25,155**	**-2**	**1,500**	**25,825**	**3,502**	**25,598**
160	25,299	4,149	25,849	1,500	-2	1464055,216	990374,637	25,948	25,879	25,179	-2	1,500	25,849	3,421	25,663
170	25,659	3,560	25,914	1,500	-2	1464052,691	990364,961	25,934	25,944	25,244	-2	1,500	25,914	2,928	26,054
180	25,873	3,231	25,964	1,500	-2	1464050,166	990355,285	26,017	25,994	25,294	-2	1,500	25,964	3,279	25,849
PC4 185.388	**26,042**	**3,083**	**26,059**	**1,500**	**-2**	**1464048,805**	**990350,072**	**26,061**	**26,089**	**25,389**	**-2**	**1,500**	**26,059**	**3,635**	**25,766**
190	26,232	2,966	26,191	1,500	-2	1464047,689	990345,597	26,245	26,221	25,521	-2	1,500	26,191	3,517	25,957
195	26,438	2,945	26,386	1,500	-2	1464046,590	990340,719	26,436	26,416	25,716	-2	1,500	26,386	3,537	26,142
200	26,690	2,910	26,621	1,500	-2	1464045,606	990335,817	26,616	26,651	25,951	-2	1,500	26,621	3,662	26,315
205	27,005	2,948	26,855	1,500	-2	1464044,739	990330,893	26,869	26,885	26,185	-2	1,500	26,855	3,626	26,567
210	27,142	2,876	27,029	1,500	-2	1464043,988	990325,950	27,106	27,059	26,359	-2	1,500	27,029	3,467	26,820
PT4 214.867	**27,159**	**2,962**	**27,115**	**1,500**	**-2**	**1464043,370**	**990321,123**	**27,180**	**27,145**	**26,445**	**-2**	**1,500**	**27,115**	**3,605**	**26,837**
220	27,178	2,930	27,119	1,500	-2	1464042,776	990316,024	27,092	27,149	26,449	-2	1,500	27,119	3,840	26,723
230	26,999	2,915	26,866	1,500	-2	1464041,619	990306,091	26,919	26,896	26,196	-2	1,500	26,866	3,661	26,560

PC5 232.412	**26,861**	**2,862**	**26,754**	**1,500**	**-2**	**1464041,341**	**990303,696**	**26,792**	**26,784**	**26,084**	**-2**	**1,500**	**26,754**	**3,492**	**26,533**
235	26,710	2,859	26,614	1,500	-2	1464041,057	990301,123	26,640	26,644	25,944	-2	1,500	26,614	3,261	26,508
240	26,418	2,943	26,365	1,500	-2	1464040,595	990296,144	26,348	26,395	25,695	-2	1,500	26,365	2,956	26,411
245	26,317	2,870	26,227	1,500	-2	1464040,249	990291,156	26,295	26,257	25,557	-2	1,500	26,227	2,884	26,345
250	26,278	2,857	26,182	1,500	-2	1464040,019	990286,162	26,303	26,212	25,512	-2	1,500	26,182	2,918	26,316
PT5 250.015	**26,278**	**2,857**	**26,182**	**1,500**	**-2**	**1464040,018**	**990286,146**	**26,303**	**26,212**	**25,512**	**-2**	**1,500**	**26,182**	**2,918**	**26,316**
260	26,206	2,854	26,103	1,500	-2	1464039,674	990276,168	26,185	26,133	25,433	-2	1,500	26,103	3,032	26,295
PC6 266.035	**26,151**	**2,858**	**26,056**	**1,500**	**-2**	**1464039,465**	**990270,137**	**26,098**	**26,086**	**25,386**	**-2**	**1,500**	**26,056**	**3,101**	**26,282**
270	26,111	2,876	26,025	1,500	-2	1464039,345	990266,173	26,041	26,055	25,355	-2	1,500	26,025	3,150	26,275
275	26,080	2,861	25,986	1,500	-2	1464039,240	990261,174	26,020	26,016	25,316	-2	1,500	25,986	3,219	26,271
280	26,114	2,943	25,967	1,500	-2	1464039,188	990256,175	26,007	25,997	25,297	-2	1,500	25,967	3,250	26,267
285	26,167	3,028	25,978	1,500	-2	1464039,187	990251,175	26,035	26,008	25,308	-2	1,500	25,978	3,219	26,263
290	26,239	3,087	26,020	1,500	-2	1464039,239	990246,175	26,069	26,050	25,350	-2	1,500	26,020	3,102	26,246
PT6 294.674	**26,300**	**3,075**	**26,086**	**1,500**	**-2**	**1464039,335**	**990241,502**	**26,125**	**26,116**	**25,416**	**-2**	**1,500**	**26,086**	**2,928**	**26,226**
300	26,342	2,983	26,175	1,500	-2	1464039,470	990236,178	26,192	26,205	25,504	-2	1,500	26,175	3,025	26,362
310	26,388	2,954	26,340	1,500	-2	1464039,724	990226,181	26,436	26,370	25,670	-2	1,500	26,340	2,852	26,440
319,353	26,412	3,215	26,495	1,500	-2	1464039,962	990216,831	26,525	26,525	25,825	-2	1,500	26,495	3,494	26,273



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DISEÑO DE RASANTE CARRERA 16

	Lado Izquierdo				Peralte	Eje					Peralte	Lado Derecho			
Abscisa	Chaflan		Calzada		Izquierdo	Coordenada (m)		Cota (m)			Derecho	Calzada		Chaflan	
(m)	*Cota (m)*	*Distancia Eje (m)*	*Cota (m)*	*Distancia Eje (m)*	*(%)*	*N*	*E*	*Negra*	*Roja*	*Subrasante*	*(%)*	*Distancia Eje (m)*	*Cota (m)*	*Distancia Eje (m)*	*Cota (m)*
0	18,699	4,032	18,690	2,500	-2	1463773,659	990432,750	18,740	18,740	18,040	-2	2,500	18,690	3,961	18,734
10	19,075	3,978	19,039	2,500	-2	1463783,360	990430,324	19,124	19,089	18,389	-2	2,500	19,039	4,187	18,971
20	19,479	3,869	19,389	2,500	-2	1463793,061	990427,897	19,509	19,439	18,739	-2	2,500	19,389	4,079	19,374
30	19,879	3,932	19,738	2,500	-2	1463802,762	990425,471	19,832	19,788	19,088	-2	2,500	19,738	3,978	19,774
40	20,273	4,019	20,088	2,500	-2	1463812,464	990423,044	20,184	20,138	19,438	-2	2,500	20,088	3,878	20,173
50	20,624	3,974	20,461	2,500	-2	1463822,165	990420,618	20,519	20,511	19,811	-2	2,500	20,461	3,969	20,621
60	21,037	4,293	21,159	2,500	-2	1463831,866	990418,191	21,213	21,209	20,509	-2	2,500	21,159	3,865	21,267
PC1 66.600	**21,301**	**4,241**	**21,397**	**2,500**	**-2**	**1463838,269**	**990416,590**	**21,418**	**21,447**	**20,747**	**-2**	**2,500**	**21,397**	**4,063**	**21,604**
70	21,438	4,183	21,505	2,500	-2	1463841,566	990415,759	21,511	21,555	20,854	-2	2,500	21,505	4,019	21,690
75	21,639	4,096	21,663	2,500	-2	1463846,409	990414,516	21,647	21,713	21,013	-2	2,500	21,663	3,919	21,798
80	21,841	4,008	21,821	2,500	-2	1463851,245	990413,248	21,789	21,871	21,171	-2	2,500	21,821	3,888	21,901
85	22,044	3,919	21,979	2,500	-2	1463856,075	990411,954	21,965	22,029	21,329	-2	2,500	21,979	3,981	22,013
90	22,234	3,854	22,137	2,500	-2	1463860,898	990410,636	22,141	22,187	21,487	-2	2,500	22,137	4,085	22,119
PT1 93.144	**22,330**	**3,862**	**22,236**	**2,500**	**-2**	**1463863,927**	**990409,794**	**22,249**	**22,286**	**21,586**	**-2**	**2,500**	**22,236**	**4,139**	**22,191**
100	22,536	3,883	22,453	2,500	-2	1463870,530	990407,947	22,515	22,503	21,803	-2	2,500	22,453	4,020	22,468
110	22,839	3,961	22,795	2,500	-2	1463880,160	990405,253	22,908	22,845	22,145	-2	2,500	22,795	3,900	22,870
120	23,259	3,974	23,222	2,500	-2	1463889,790	990402,559	23,318	23,272	22,572	-2	2,500	23,222	3,946	23,274
130	23,923	4,027	23,735	2,500	-2	1463899,421	990399,866	23,771	23,785	23,084	-2	2,500	23,735	4,107	23,706
140	24,608	4,280	24,292	2,500	-2	1463909,051	990397,172	24,331	24,342	23,642	-2	2,500	24,292	4,362	24,135
150	25,198	4,347	24,849	2,500	-2	1463918,681	990394,478	24,895	24,899	24,199	-2	2,500	24,849	4,389	24,680
160	25,688	4,256	25,385	2,500	-2	1463928,312	990391,785	25,500	25,435	24,734	-2	2,500	25,385	4,218	25,300
170	25,587	4,497	25,811	2,500	-2	1463937,942	990389,091	25,821	25,861	25,161	-2	2,500	25,811	3,885	25,929
PC2 177.476	**25,955**	**4,376**	**26,119**	**2,500**	**-2**	**1463945,141**	**990387,077**	**26,147**	**26,169**	**25,469**	**-2**	**2,500**	**26,119**	**4,005**	**26,141**
180	26,143	4,202	26,220	2,500	-2	1463947,598	990386,500	26,307	26,270	25,570	-2	2,500	26,220	4,107	26,191
185	26,448	3,909	26,318	2,500	-2	1463952,565	990385,975	26,340	26,368	25,668	-2	2,500	26,318	4,181	26,251
PT2 187.977	**26,461**	**3,968**	**26,302**	**2,500**	**-2**	**1463955,539**	**990386,058**	**26,352**	**26,352**	**25,652**	**-2**	**2,500**	**26,302**	**4,127**	**26,263**
190	26,445	4,020	26,259	2,500	-2	1463957,556	990386,214	26,343	26,309	25,609	-2	2,500	26,259	4,171	26,198
200	25,854	3,955	25,701	2,500	-2	1463967,527	990386,986	25,703	25,751	25,051	-2	2,500	25,701	4,451	25,501
210	25,183	3,922	25,046	2,500	-2	1463977,497	990387,758	25,032	25,096	24,396	-2	2,500	25,046	4,224	24,958
220	24,909	3,951	24,758	2,500	-2	1463987,467	990388,531	24,830	24,808	24,107	-2	2,500	24,758	3,993	24,786
PC3 224.709	**24,798**	**3,941**	**24,652**	**2,500**	**-2**	**1463992,162**	**990388,894**	**24,715**	**24,702**	**24,002**	**-2**	**2,500**	**24,652**	**3,961**	**24,696**
225	24,793	3,942	24,646	2,500	-2	1463992,452	990388,915	24,707	24,696	23,996	-2	2,500	24,646	3,965	24,688
230	24,721	4,023	24,534	2,500	-2	1463997,446	990388,837	24,588	24,584	23,884	-2	2,500	24,534	4,051	24,534
235	24,631	4,039	24,436	2,500	-2	1464002,357	990387,931	24,481	24,486	23,786	-2	2,500	24,436	4,245	24,338
PT3 235.147	**24,629**	**4,039**	**24,434**	**2,500**	**-2**	**1464002,499**	**990387,892**	**24,478**	**24,484**	**23,784**	**-2**	**2,500**	**24,434**	**4,249**	**24,334**
240	24,543	3,979	24,378	2,500	-2	1464007,175	990386,594	24,496	24,428	23,728	-2	2,500	24,378	4,252	24,276
250	24,783	4,452	24,382	2,500	-2	1464016,811	990383,921	24,474	24,432	23,732	-2	2,500	24,382	4,127	24,343
260	25,094	4,744	24,547	2,500	-2	1464026,447	990381,247	24,606	24,597	23,897	-2	2,500	24,547	4,051	24,546
270	25,230	4,361	24,873	2,500	-2	1464036,083	990378,574	24,968	24,923	24,223	-2	2,500	24,873	3,906	24,945
280	25,403	3,950	25,354	2,500	-2	1464045,719	990375,901	25,259	25,404	24,704	-2	2,500	25,354	4,514	25,121
289,509	25,934	3,875	25,847	2,500	-2	1464054,882	990373,358	25,938	25,897	25,197	-2	2,500	25,847	4,082	25,831



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