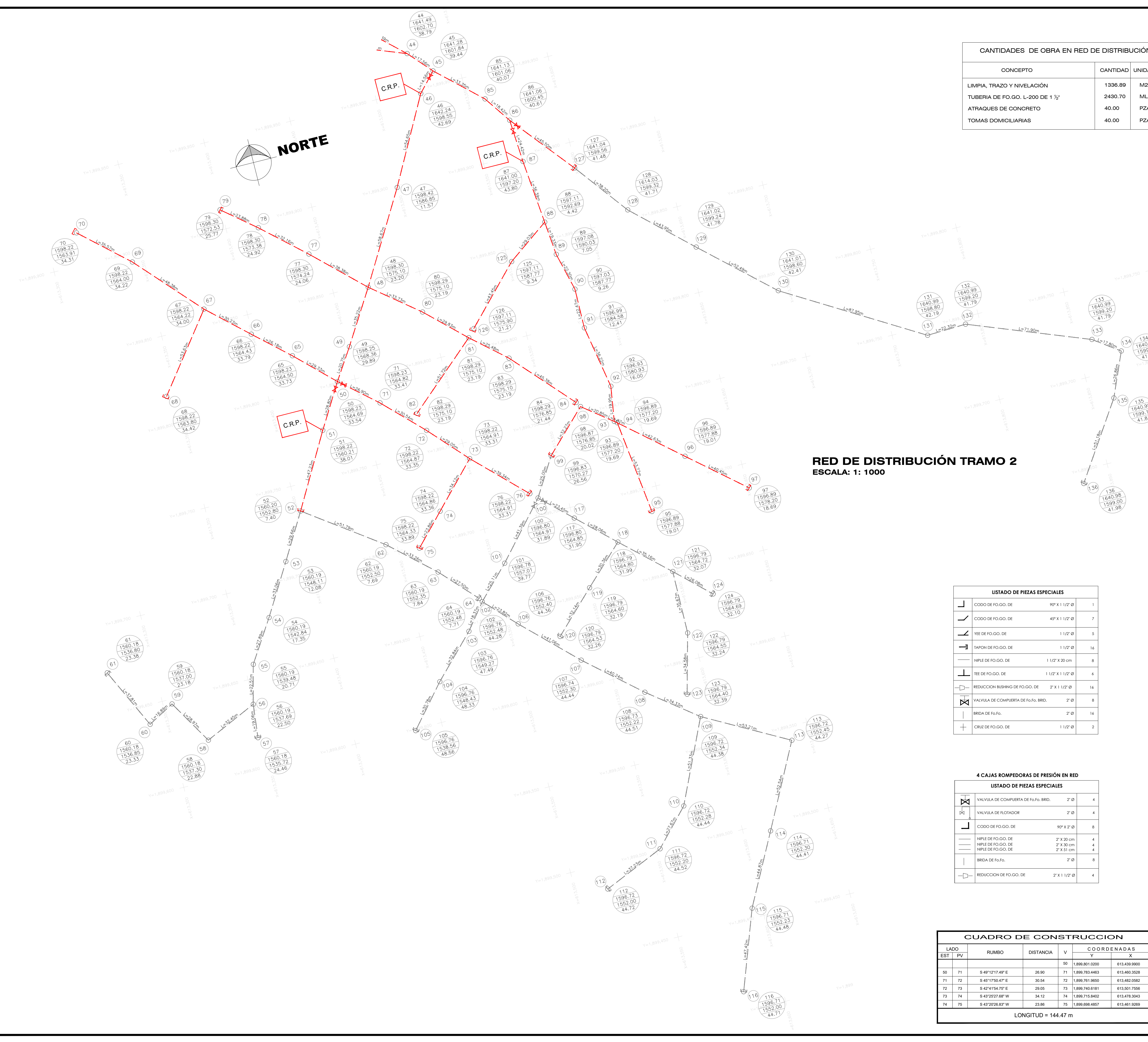




CANTIDADES DE OBRA EN RED DE DISTRIBUCIÓN			
CONCEPTO	CANTIDAD	UNIDAD	
LIMPIA, TRAZO Y NIVELACIÓN	1336.89	M2	
TUBERIA DE FO.GG. L-200 DE 1 1/2"	2430.70	ML	
ATRAQUES DE CONCRETO	40.00	PZA	
TOMAS DOMICILIARIAS	40.00	PZA	

RED DE DISTRIBUCIÓN TRAMO 2
ESCALA: 1: 1000

LISTADO DE PIEZAS ESPECIALES			
	CODO DE FO.GG. DE 90° X 1 1/2"	1	
	CODO DE FO.GG. DE 45° X 1 1/2"	7	
	YEE DE FO.GG. DE 1 1/2"	5	
	IMPON DE FO.GG. DE 1 1/2"	16	
	NIPLE DE FO.GG. DE 1 1/2 X 30 CM.	8	
	NIPLE DE FO.GG. DE 1 1/2 X 1 1/2"	6	
	REDUCCION Busing DE FO.GG. DE 2" X 1 1/2"	16	
	VÁLVULA DE COMPUERTA DE FO.GG. BRD. DE 2"	8	
	BANDA DE FO.GG. DE 2"	14	
	CRUZ DE FO.GG. DE 1 1/2"	2	

4 CAJAS ROMPEDORAS DE PRESIÓN EN RED			
LISTADO DE PIEZAS ESPECIALES			
	VÁLVULA DE COMPUERTA DE FO.GG. BRD. DE 2"	4	
	VÁLVULA DE ROTADOR DE 2"	4	
	CODO DE FO.GG. DE 90° X 2"	8	
	NIPLE DE FO.GG. DE 2"	4	
	NIPLE DE FO.GG. DE 2"	4	
	NIPLE DE FO.GG. DE 2"	4	
	BANDA DE FO.GG. DE 2"	8	
	REDUCCION DE FO.GG. DE 2"	4	

CUADRO DE CONSTRUCCION						
LADO		RUMBO	DISTANCIA	V	COORDENADAS	
EST	PV				Y	X
					1,899,801.0200	613,439.9900
50	71	S 49°12'17.49"E	26.90	71	1,899,783.4403	613,460.3238
71	72	S 45°17'50.47"E	30.54	72	1,899,761.9650	613,482.0562
72	73	S 42°14'54.73"E	29.05	73	1,899,740.6181	613,501.7556
73	74	S 47°25'27.68"E	34.12	74	1,899,715.8402	613,478.5943
74	75	S 43°22'58.83"E	33.86	75	1,899,688.4957	613,491.5289
LONGITUD = 144.47 m						

CUADRO DE CONSTRUCCION						
LADO	EST	PV	RUMBO	DISTANCIA	V	COORDENADAS X Y
1	2		S 83°42'50.34" W	2.75	2	1,900,148.3200 613,972.6400
2	3		S 84°38'46.62" W	28.55	3	1,900,141.4100 613,970.1700
3	4		S 45°29'46.80" W	10.56	4	1,900,137.1600 613,941.7500
4	5		S 81°12'28.22" W	4.06	5	1,900,136.5400 613,934.0900
5	6		N 42°29'08.42" E	10.20	6	1,900,138.5100 613,935.0100
6	7		S 45°54'32.24" W	9.49	7	1,900,132.1700 613,907.9500
7	8		S 39°29'27.78" W	7.00	8	1,900,126.7700 613,903.5000
8	9		S 88°39'20.74" W	11.08	9	1,900,126.5100 613,892.4200
9	10		S 68°51'52.69" W	15.87	10	1,900,120.7500 613,877.5200
10	11		S 73°30'52.08" W	6.07	11	1,900,119.2300 613,871.6400
11	12		S 81°09'04.28" W	14.88	12	1,900,112.8100 613,870.7700
12	13		S 85°41'58.42" W	20.48	13	1,900,104.3800 613,841.1500
13	14		S 58°52'47.27" W	8.17	14	1,900,100.1600 613,834.1100
14	15		S 40°12'04.45" W	5.75	15	1,900,095.7700 613,830.4000
15	16		S 24°34'42.30" W	5.29	16	1,900,090.9600 613,828.2900
16	17		S 33°10'56.57" W	12.87	17	1,900,080.1500 613,821.0400
17	18		N 30°50'58.32" E	5.58	18	1,900,083.6700 613,812.7100
18	19		N 81°54'16.47" E	8.83	19	1,900,085.0400 613,807.9900
19	20		N 64°40'41.57" W	21.23	20	1,900,084.1200 613,788.8000
20	21		N 61°29'55.45" E	9.64	21	1,900,085.5700 613,779.2700
21	22		N 74°17'55.45" E	18.70	22	1,900,100.6300 613,751.2700
22	23		N 80°28'36.28" E	16.88	23	1,900,108.7000 613,743.8400
23	24		N 50°07'21.28" E	43.87	24	1,900,131.2300 613,726.7800
24	25		N 60°30'28.18" E	23.03	25	1,900,142.5700 613,686.7100
25	26		N 72°55'36.94" E	24.35	26	1,900,149.7200 613,663.4300
26	27		S 82°43'12.19" W	29.36	27	1,900,146.0000 613,634.3100
27	28		S 78°05'58.69" E	50.81	28	1,900,155.3200 613,594.9900
28	29		S 84°29'02.99" E	19.43	29	1,900,168.7000 613,578.7500
29	30		S 24°02'32.27" E	13.11	30	1,900,115.8900 613,570.4100
30	31		S 12°17'35.08" E	16.34	31	1,900,099.8900 613,564.8900
31	32		S 56°01'23.94" E	53.18	32	1,900,070.1700 613,541.6500
32	33		S 28°27'48.20" E	20.52	33	1,900,052.1300 613,518.7700
33	34		S 59°50'51.21" E	5.38	34	1,900,048.8300 613,517.8500
34	35		S 41°50'44.54" E	5.78	35	1,900,042.0900 613,514.4500
35	36		S 52°20'31.89" E	19.87	36	1,900,036.0200 613,505.7700
36	37		S 82°51'01.84" E	20.33	37	1,900,033.4900 613,585.6000
37	38		S 88°31'14.93" W	56.56	38	1,900,032.0300 613,529.0900
38	39		S 88°45'34.74" W	19.86	39	1,900,031.6000 613,529.2000
39	40		S 71°05'36.96" W	11.59	40	1,900,028.0000 613,528.7100
40	41		S 30°50'51.38" W	34.1	41	1,900,020.3400 613,492.2900
41	42		S 15°30'55.04" W	10.43	42	1,900,010.2900 613,489.5900
42	43		S 25°14'38.99" W	16.30	43	1,899,995.5000 613,496.4000
43	44		S 47°30'21.59" E	36.39	44	1,899,970.9700 613,523.2800
44	45		S 47°20'52.42" E	17.56	45	1,899,957.9500 613,525.0700
45	46		S 42°29'08.42" E	14.38	46	1,899,940.9400 613,535.6100
46	47		S 28°12'55.95" E	24.05	47	1,899,895.0200 613,499.4200
47	48		S 30°34'17.22" E	50.67	48	1,899,848.3977 613,469.7936
48	49		S 31°40'01.01" E	35.22	49	1,899,814.4200 613,451.3000
49	50		S 33°01'25.92" E	20.75	50	1,899,811.0200 613,439.9900
50	51		S 30°50'51.38" E	28.80	51	1,899,795.2900 613,425.2200
51	52		S 30°27'48.97" E	47.23	52	1,899,754.1700 613,400.9900
52	53		S 30°24'13.82" E	29.66	53	1,899,709.5900 613,386.9800
53	54		S 30°50'52.18" E	33.06	54	1,899,681.2100 613,370.0300
54	55		S 32°42'15.73" W	27.89	55	1,899,657.7400 613,354.9600
55	56		S 14°09'57.09" W	22.51	56	1,899,635.9100 613,349.4500
56	57		S 08°02'17.28" W	19.06	57	1,899,616.9972 613,347.4452

LONGUTD = 1,166.68 m

CUADRO DE CONSTRUCCION						
LADO		RUMBO	DISTANCIA	V	COORDENADAS	
EST	PV				Y	X
88	125	S 54°06'14.17" W	29.03	88	1,899,859.7507	613,575.3831
				125	1,899,842.7322	613,551.8696
125	126	S 43°33'54.61" W	43.45	126	1,899,811.2844	613,321.9397
LONGITUD = 72.48 m						

CUADRO DE CONSTRUCCION							
LADO EST		PV	RUMBO	DISTANCIA	V	COORDENADAS	
						Y	X
81	83		S 49°02'14.94" E	25.48	81	1,899,806.9114	613,517.8743
					83	1,899,790.2065	613,537.1185
83	84		S 42°27'08.50" E	45.38	84	1,899,756.7200	613,567.7500
LONGITUD = 70.86 m							

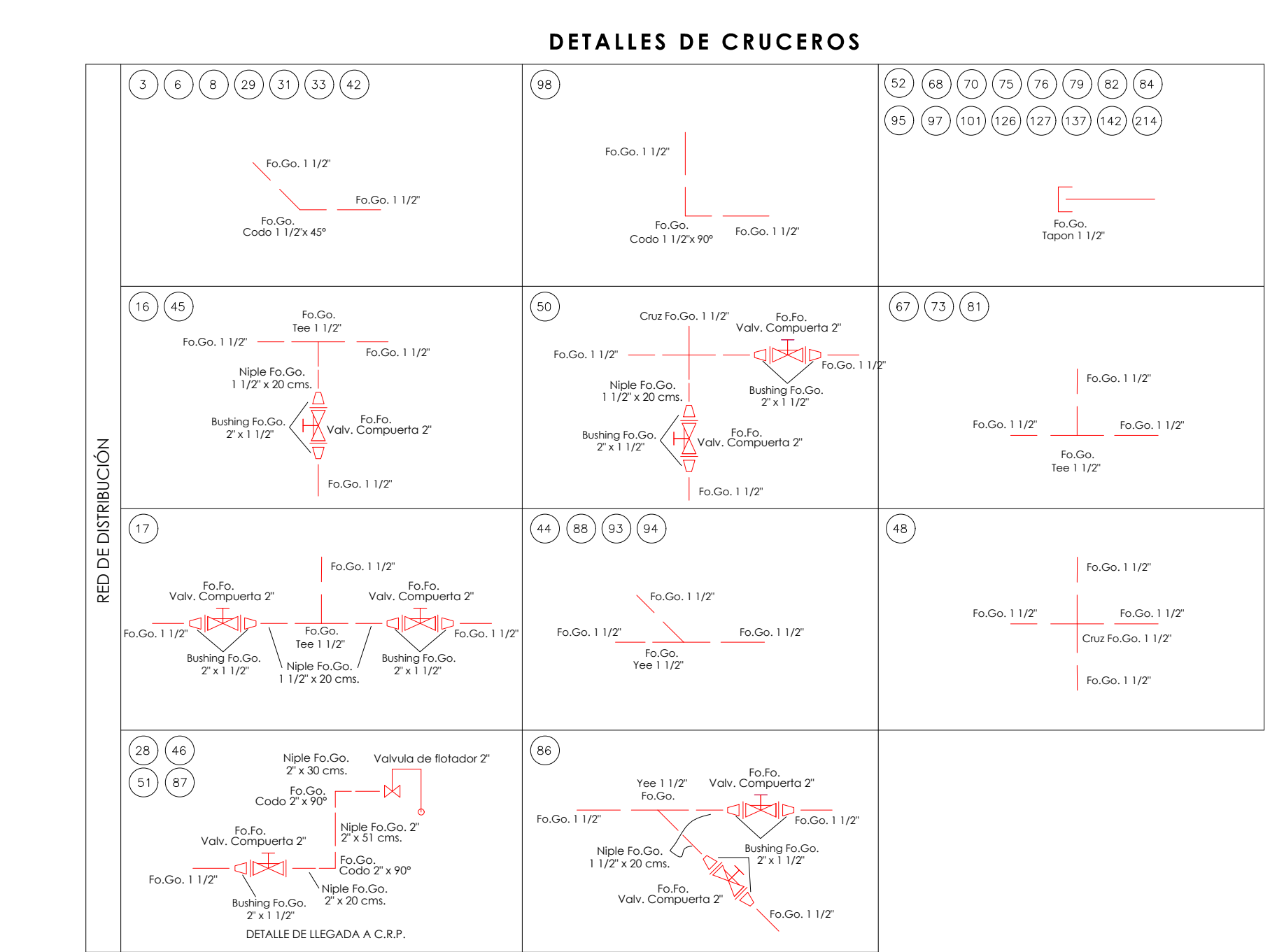
CUADRO DE CONSTRUCCION						
LADO	EST	PV	RUMBO	DISTANCIA	V	COORDENADAS
						Y X
				121	1,899,630.8084	613,597.3523
121	124		S 48°52'08.20" E	26.08	124	1,899,632.9775 613,616.4162
LONGITUD = 26.08 m						

CUADRO DE CONSTRUCCION						
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CUADRO DE CONSTRUCCION						
LADO	EST	PV	RUMBO	DISTANCIA	Y	X
COORDENADAS						
Y X						
65	66	N 48°00'00.20" W	29.33	66	1,899,821.0200	613,428.9900
66	67	N 48°15'55.40" W	26.18	66	1,509,821.3558	613,418.8579
67	68	N 47°54'09.01" W	30.23	67	1,509,838.7832	613,399.3217
68	67	N 47°54'09.01" W	30.23	68	1,899,858.0488	613,376.8913
67	68	S 37°18'28.62" W	53.63	68	1,899,816.3934	613,344.3972
LONGITUD = 139.37 m						

CUADRO DE CONSTRUCCION						
LADO		RUMBO	DISTANCIA	V	COORDENADAS	
EST	PV				Y	X
				48	1,899,848.3077	613,469.7936
48	80	S 51°22'48.15" E	33.73	80	1,899,827.3476	613,496.1437
80	81	S 40°42'29.10" E	29.83	81	1,899,806.9114	613,517.8743
81	82	S 48°20'31.74" E	51.72	82	1,899,772.6948	613,479.1766
LONGITUD = 115.28 m						

CUADRO DE CONSTRUCCION						
LADO		RUMBO	DISTANCIA	V	COORDENADAS	
EST	PV				Y	X
100	117	S 49°33'42.50" E	23.45	117	1,899,709,600.65	613,533,752.1
117	118	S 47°02'20.80" E	29.06	118	1,899,693,632.4	613,550,575.2
118	119	S 45°07'02.03" W	30.36	119	1,899,674,512.10	613,571,409.4
119	120	S 45°12'59.75" W	32.14	120	1,899,653,403.43	613,549,598.4
LONGITUD = 114.01 m						



CUADRO DE CONSTRUCCION							
LADO	EST	PV	RUMBO	DISTANCIA	Y	COORDENADAS X	
					45	1,899,957,9900	613,538,0700
45	85	47°31'26.10"	33.35	85	1,899,950,4200	613,559,8700	
85	86	30°00'35.48"	16.42	86	1,899,930,3400	613,570,2400	
86	87	03°40'47.08"	24.42	87	1,899,950,7500	613,571,6500	
87	88	05°34'17.22"	36.39	88	1,899,950,7500	613,575,3831	
88	89	05°34'17.22"	19.33	89	1,899,940,5100	613,577,2900	
89	90	14°10'29.24"	22.36	90	1,899,918,8900	613,562,7000	
90	91	07°27'32.32"	22.47	91	1,899,798,4200	613,562,5400	
91	92	10°18'17.49"	36.22	92	1,899,760,7800	613,569,0200	
92	93	08°34'56.80"	19.85	93	1,899,741,0488	613,568,0423	
93	94	52°10'18.20"	1.87	94	1,899,739,9017	613,587,5500	
94	95	07°12'46.47"	53.77	95	1,899,686,5578	613,594,2720	
LONGITUD = 286.45 m							

CUADRO DE CONSTRUCCION						
LADO		RUMBO	DISTANCIA	COORDENADAS		
EST	PV			X	Y	Z
				93	1,899,741.0498	613,588.0423
93	98	N 52°10'18.20"	20.85	98	1,899,733.8490	613,569.5700
98	99	S 44°58'29.61"	32.27	99	1,899,713.1100	613,544.7900
99	100	S 31°21'11.91"	25.00	100	1,899,709.0905	613,533.7521
100	101	S 41°12'02.37"	41.39	101	1,899,678.5200	613,506.4900
101	102	S 54°47'00.83"	35.12	102	1,899,650.6488	613,551.1252
102	103	S 38°30'21.78"	18.37	103	1,899,646.1500	613,477.5400
103	104	S 44°08'11.91"	32.84	104	1,899,620.1000	613,454.8700
104	105	S 40°19'13.72"	30.78	105	1,899,599.1500	613,434.7500
LONGITUD = 226 61 E						