

TEETER IRRIGATION

APRIL 01, 2014

WISH-76505

CUSTOMER : BRENT WOODS

VALLEY 8000 - 30
8 TOWER - 1309.64 FT
SYSTEM 600 GPM @ 14 PSI

P.O. NO. : 753221
JOB NO. :
LEGAL : SW 1/4 1-31-31
CROP :

NELSON D3000 SPRAY NOZZLES
NELSON 10 & 6 PSI REGULATORS
NO ENDGUN
ELEVATION 2 FT UP, 2 FT DOWN

1310 ONTARIO STREET

PLAINS, KANSAS 67869

(620)563-7557

WARRANTY

WATER APPLICATION UNIFORMITY OBTAINED WITH THIS SYSTEM CAN BE ADVERSELY AFFECTED BY MANY VARIABLES INCLUDING THE IMPROPER MAKEUP OR INSTALLATION OF THE SPRINKLER OR SPRAY NOZZLE PACKAGE, OBSTRUCTED NOZZLES, MAINTAINING INCORRECT PIVOT PRESSURE, UNFAVORABLE CLIMATIC CONDITIONS, TIGHT AND/OR SLOPING SOILS, IMPROPER END GUN ARC SETTINGS, ERRATIC AND IMPROPER OPERATING SPEED OF THE SYSTEM, POOR QUALITY OF WATER WITH ABRASIVES, CORROSIVES, AND/OR SOLIDS WHICH CAN CAUSE PLUGGING AND JAMMING, AS WELL AS INHERENT VARIABLES IN THE MANY COMPONENTS COMPRISING THE SYSTEM. THEREFORE WESTERN IRRIGATION SUPPLY HOUSE, INC., MAKES NO WARRANTY AS TO THE UNIFORMITY OF COVERAGE OBTAINED FROM THIS WATER APPLICATION PRINTOUT OTHER THAN ITS MATHEMATICAL ACCURACY.

IT IS THE RESPONSIBILITY OF THE END USER TO DETERMINE IF ANY INCOMPATIBILITY EXISTS BETWEEN THE WATER DISTRIBUTION DEVICES AND THE CROP, THE SOIL, AND THE PHYSICAL STRUCTURE OF THE MECHANICAL MOVE SYSTEM. WESTERN IRRIGATION SUPPLY HOUSE, INC., THEREFORE, DISCLAIMS ANY LIABILITY FOR DAMAGES DUE TO FAILURE OF THE SYSTEM TO PERFORM AS CONTEMPLATED.

FIGURES PRESENTED ON THIS COMPUTER PRINTOUT ARE BASED ON THE FOLLOWING:

1. DATA FURNISHED TO WESTERN IRRIGATION SUPPLY HOUSE, INC., ON PIPE LENGTH, DIAMETER, SURFACE FINISH, OUTLET SPACINGS, WATER FLOW, PIVOT PRESSURE AND ALL OTHER APPLICABLE INFORMATION.
2. THERE IS 100% WATER APPLICATION EFFICIENCY (ZERO WIND VELOCITY AND NO EVAPORATION).
3. PIVOT PRESSURE IS MEASURED ON THE MAIN HORIZONTAL DISTRIBUTION PIPE JUST AFTER THE LAST ELBOW.
4. MAIN PIPE PRESSURE IS CALCULATED AS IF THE PIVOT IS ALWAYS ON LEVEL GROUND.
5. SPRINKLER OR SPRAY NOZZLE BASE PRESSURE MAY BE LESS THAN MAIN LINE PIPE PRESSURE DUE TO THE USE OF PRESSURE REGULATORS. WHERE DROP PIPES ARE USED THE STATIC HEAD IS ADDED TO AND FRICTION LOSS IS SUBTRACTED FROM THE MAIN LINE PIPE PRESSURE TO DETERMINE INLET PSI. REGULATORS ARE CONSIDERED MOUNTED AT THE SAME HEIGHT AS THE SPRINKLING DEVICE UNLESS NOTED.

VALLEY 8000 - 30

APRIL 01, 2014

WISH-76505

DEALER

TEETER IRRIGATION
 1310 ONTARIO STREET
 PLAINS, KANSAS 67869

IRRIGATOR

BRENT WOODS
 SW 1/4 1-31-31
 753221

TOTAL TARGET GPM 600.00
 TOP OF PIVOT PRESSURE 14.00
 NO ENDGUN
 NUMBER OF OUTLETS 509

FRICTION FACTOR USED 140
 TOTAL LENGTH 1309.64
 NUMBER OF TOWERS 8
 NUMBER OF SPRINKLERS 256

SPANS	LENGTH	PIPE I.D.
1	160.85	6.415
6	160.11	6.415
1	159.85	6.415
OH	18.28	6.415
	10.00	2.06

NELSON D3000 SPRAY NOZZLES - CONCAVE BLUE 36 DEEP GROOVE PLATES
 NELSON BLUE TOP INTEGRAL 10 & 6 PSI SERIES REGULATORS
 DROPS AVERAGE 12.5 FT OF .75 I.D. FLEXIBLE HOSE WITH 24 INCH SLIP POLYWEIGHT®
 ELEVATION IS 2 FT UP AND 2 FT DOWN

CAUTIONS AND WARNINGS

- 1 . Over watering at beginning of system due to practical limitations on smallest nozzle sizes available and/or allowable for proper operation.
- 2 . When using spray nozzles with five foot ground clearance or less, nozzle should travel between crop rows and spacing should not exceed 80 inches.
- 3 . This system designed for minimum pressure. Failure to deliver indicated pressure at the top of pivot point will adversely affect regulator and/or sprinkler/spray performance. Elevations, pipe sizes and type of drop pipe must be as shown.

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
1		5.40	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	1
2		14.40	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	2
3	23.40	23.40	0.27	0.47	13.50	11.32	D3000 9 LT BL/BEIGE	1	NNB10LF	
4	9.00	32.40	0.20	0.47	13.29	11.32	D3000 9 LT BL/BEIGE	2	NNB10LF	
5	9.00	41.40	0.19	0.47	13.10	11.32	D3000 9 LT BL/BEIGE	3	NNB10LF	
6	4.54	45.94	0.15	0.47	13.01	11.32	D3000 9 LT BL/BEIGE	4	NNB10LF	
7		48.44	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	3
8	5.00	50.94	0.18	0.47	12.92	11.32	D3000 9 LT BL/BEIGE	5	NNB10LF	
9		53.44	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	4
10	5.00	55.94	0.19	0.47	12.84	11.32	D3000 9 LT BL/BEIGE	6	NNB10LF	
11		58.44	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	5
12	5.00	60.94	0.21	0.47	12.77	11.32	D3000 9 LT BL/BEIGE	7	NNB10LF	
13		63.44	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	6
14	5.00	65.94	0.23	0.47	12.70	11.32	D3000 9 LT BL/BEIGE	8	NNB10LF	
15		68.44	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	7
16	5.00	70.94	0.25	0.47	12.65	11.32	D3000 9 LT BL/BEIGE	9	NNB10LF	
17		73.44	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	8
18	5.00	75.94	0.26	0.47	12.60	11.32	D3000 9 LT BL/BEIGE	10	NNB10LF	
19		78.44	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	9
20	4.95	80.89	0.28	0.47	12.56	11.32	D3000 9 LT BL/BEIGE	11	NNB10LF	
21		83.34	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	10
22	4.95	85.84	0.30	0.47	12.52	11.32	D3000 9 LT BL/BEIGE	12	NNB10LF	
23		88.34	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	11
24	5.00	90.84	0.31	0.47	12.50	11.32	D3000 9 LT BL/BEIGE	13	NNB10LF	
25		93.34	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	12
26	5.00	95.84	0.33	0.47	12.48	11.32	D3000 9 LT BL/BEIGE	14	NNB10LF	
27		98.34	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	13
28	5.00	100.84	0.35	0.47	12.47	11.32	D3000 9 LT BL/BEIGE	15	NNB10LF	
29		103.34	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	14
30	5.00	105.84	0.37	0.47	12.47	11.32	D3000 9 LT BL/BEIGE	16	NNB10LF	
31		108.34	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	15
32	5.00	110.84	0.38	0.47	12.47	11.33	D3000 9 LT BL/BEIGE	17	NNB10LF	
33		113.34	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	16
34	5.00	115.84	0.40	0.47	12.49	11.33	D3000 9 LT BL/BEIGE	18	NNB10LF	
35		118.34	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	17
36	5.00	120.84	0.42	0.47	12.51	11.33	D3000 9 LT BL/BEIGE	19	NNB10LF	
37		123.34	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	18
38	5.00	125.84	0.44	0.47	12.54	11.33	D3000 9 LT BL/BEIGE	20	NNB10LF	
39		128.34	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	19
40	5.00	130.84	0.45	0.47	12.58	11.33	D3000 9 LT BL/BEIGE	21	NNB10LF	
41		133.34	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	20
42	5.00	135.84	0.47	0.47	12.62	11.33	D3000 9 LT BL/BEIGE	22	NNB10LF	
43		138.34	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	21
44	5.00	140.84	0.49	0.47	12.67	11.33	D3000 9 LT BL/BEIGE	23	NNB10LF	
45		143.34	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	22
46	5.00	145.84	0.50	0.47	12.74	11.33	D3000 9 LT BL/BEIGE	24	NNB10LF	
47		148.34	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	23
48	5.00	150.84	0.52	0.57	12.80	11.31	D3000 10 BEIGE	25	NNB10LF	

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
96	5.00	270.95	0.94	0.88	11.28	6.86	D3000 14 LIME	49	NNB06LF	
97		273.45	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	48
98	5.00	275.95	0.95	1.01	11.30	6.83	D3000 15 LIME/LAV	50	NNB06LF	
99		278.45	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	49
100	5.00	280.95	0.97	1.01	11.32	6.83	D3000 15 LIME/LAV	51	NNB06LF	
101		283.45	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	50
102	5.00	285.95	0.99	1.01	11.35	6.83	D3000 15 LIME/LAV	52	NNB06LF	
103		288.45	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	51
104	5.00	290.95	1.01	1.01	11.39	6.83	D3000 15 LIME/LAV	53	NNB06LF	
105		293.45	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	52
106	5.00	295.95	1.02	1.01	11.44	6.83	D3000 15 LIME/LAV	54	NNB06LF	
107		298.45	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	53
108	5.00	300.95	1.04	1.01	11.50	6.83	D3000 15 LIME/LAV	55	NNB06LF	
109		303.45	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	54
110	5.00	305.95	1.06	1.01	11.56	6.83	D3000 15 LIME/LAV	56	NNB06LF	
111		308.45	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	55
112	5.00	310.95	1.08	1.01	11.63	6.83	D3000 15 LIME/LAV	57	NNB06LF	
113		313.45	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	56
114	5.00	315.95	1.12	1.15	11.62	6.80	D3000 16 LAVENDER	58	NNB06LF	
115		318.45	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	57
TOWER 2	160.11	320.96								
116	5.21	321.16	1.13	1.15	11.59	6.80	D3000 16 LAVENDER	59	NNB06LF	
117		323.66	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	58
118	5.00	326.16	1.13	1.15	11.55	6.80	D3000 16 LAVENDER	60	NNB06LF	
119		328.66	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	59
120	5.00	331.16	1.15	1.15	11.45	6.80	D3000 16 LAVENDER	61	NNB06LF	
121		333.66	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	60
122	5.00	336.16	1.16	1.15	11.31	6.80	D3000 16 LAVENDER	62	NNB06LF	
123		338.66	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	61
124	5.00	341.16	1.18	1.15	11.18	6.80	D3000 16 LAVENDER	63	NNB06LF	
125		343.66	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	62
126	5.00	346.16	1.20	1.15	11.06	6.80	D3000 16 LAVENDER	64	NNB06LF	
127		348.66	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	63
128	5.00	351.16	1.21	1.15	10.95	6.80	D3000 16 LAVENDER	65	NNB06LF	
129		353.66	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	64
130	5.00	356.16	1.23	1.30	10.84	6.76	D3000 17 LAV/GRAY	66	NNB06LF	
131		358.66	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	65
132	5.00	361.16	1.25	1.30	10.74	6.76	D3000 17 LAV/GRAY	67	NNB06LF	
133		363.66	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	66
134	5.00	366.16	1.27	1.30	10.65	6.76	D3000 17 LAV/GRAY	68	NNB06LF	
135		368.66	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	67
136	5.00	371.16	1.28	1.30	10.57	6.76	D3000 17 LAV/GRAY	69	NNB06LF	
137		373.66	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	68
138	5.00	376.16	1.30	1.30	10.49	6.76	D3000 17 LAV/GRAY	70	NNB06LF	
139		378.66	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	69
140	5.00	381.16	1.32	1.30	10.43	6.76	D3000 17 LAV/GRAY	71	NNB06LF	
141		383.66	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	70
142	5.00	386.16	1.34	1.30	10.37	6.76	D3000 17 LAV/GRAY	72	NNB06LF	

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
238	5.00	626.17	2.17	2.14	9.63	6.58	D3000 22 YELLOW	120	NNB06LF	
239		628.67	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	119
240	5.00	631.17	2.18	2.14	9.72	6.58	D3000 22 YELLOW	121	NNB06LF	
241		633.67	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	120
242	5.00	636.17	2.25	2.32	9.72	6.56	D3000 23 YEL/RED	122	NNB06LF	
243		638.67	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	121
TOWER 4	160.11	641.18								
244	5.21	641.38	2.27	2.32	9.70	6.56	D3000 23 YEL/RED	123	NNB06LF	
245		643.88	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	122
246	5.00	646.38	2.24	2.32	9.67	6.56	D3000 23 YEL/RED	124	NNB06LF	
247		648.88	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	123
248	5.00	651.38	2.25	2.32	9.58	6.56	D3000 23 YEL/RED	125	NNB06LF	
249		653.88	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	124
250	5.00	656.38	2.27	2.32	9.46	6.56	D3000 23 YEL/RED	126	NNB06LF	
251		658.88	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	125
252	5.00	661.38	2.29	2.32	9.34	6.56	D3000 23 YEL/RED	127	NNB06LF	
253		663.88	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	126
254	5.00	666.38	2.30	2.32	9.23	6.56	D3000 23 YEL/RED	128	NNB06LF	
255		668.88	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	127
256	5.00	671.38	2.32	2.32	9.12	6.56	D3000 23 YEL/RED	129	NNB06LF	
257		673.88	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	128
258	5.00	676.38	2.34	2.32	9.03	6.56	D3000 23 YEL/RED	130	NNB06LF	
259		678.88	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	129
260	5.00	681.38	2.36	2.32	8.94	6.56	D3000 23 YEL/RED	131	NNB06LF	
261		683.88	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	130
262	5.00	686.38	2.37	2.32	8.86	6.56	D3000 23 YEL/RED	132	NNB06LF	
263		688.88	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	131
264	5.00	691.38	2.39	2.32	8.79	6.56	D3000 23 YEL/RED	133	NNB06LF	
265		693.88	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	132
266	5.00	696.38	2.41	2.32	8.73	6.56	D3000 23 YEL/RED	134	NNB06LF	
267		698.88	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	133
268	5.00	701.38	2.43	2.32	8.67	6.56	D3000 23 YEL/RED	135	NNB06LF	
269		703.88	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	134
270	5.00	706.38	2.44	2.55	8.63	6.53	D3000 24 RED	136	NNB06LF	
271		708.88	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	135
272	5.00	711.38	2.46	2.55	8.59	6.53	D3000 24 RED	137	NNB06LF	
273		713.88	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	136
274	5.00	716.38	2.47	2.55	8.56	6.53	D3000 24 RED	138	NNB06LF	
275		718.88	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	137
276	4.95	721.33	2.47	2.55	8.54	6.53	D3000 24 RED	139	NNB06LF	
277		723.78	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	138
278	4.95	726.28	2.50	2.55	8.52	6.53	D3000 24 RED	140	NNB06LF	
279		728.78	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	139
280	5.00	731.28	2.53	2.55	8.52	6.53	D3000 24 RED	141	NNB06LF	
281		733.78	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	140
282	5.00	736.28	2.55	2.55	8.52	6.53	D3000 24 RED	142	NNB06LF	
283		738.78	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	141
284	5.00	741.28	2.56	2.55	8.53	6.53	D3000 24 RED	143	NNB06LF	

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
332		5.00	861.49	2.98	2.98	8.12	D3000 26 WHITE	167	NNB06LF	
333			863.99	- - - - -	- - - - -	6.47	- - - - -	- - - - -	- - - - -	166
334		5.00	866.49	3.00	2.98	8.08	D3000 26 WHITE	168	NNB06LF	
335			868.99	- - - - -	- - - - -	6.47	- - - - -	- - - - -	- - - - -	167
336		5.00	871.49	3.01	2.98	8.05	D3000 26 WHITE	169	NNB06LF	
337			873.99	- - - - -	- - - - -	6.47	- - - - -	- - - - -	- - - - -	168
338		5.00	876.49	3.02	2.98	8.03	D3000 26 WHITE	170	NNB06LF	
339			878.99	- - - - -	- - - - -	6.47	- - - - -	- - - - -	- - - - -	169
340		4.95	881.44	3.02	2.98	8.01	D3000 26 WHITE	171	NNB06LF	
341			883.89	- - - - -	- - - - -	6.47	- - - - -	- - - - -	- - - - -	170
342		4.95	886.39	3.05	2.98	8.00	D3000 26 WHITE	172	NNB06LF	
343			888.89	- - - - -	- - - - -	6.47	- - - - -	- - - - -	- - - - -	171
344		5.00	891.39	3.08	3.18	8.00	D3000 27 WHITE/BLUE	173	NNB06LF	
345			893.89	- - - - -	- - - - -	6.45	- - - - -	- - - - -	- - - - -	172
346		5.00	896.39	3.10	3.18	8.01	D3000 27 WHITE/BLUE	174	NNB06LF	
347			898.89	- - - - -	- - - - -	6.45	- - - - -	- - - - -	- - - - -	173
348		5.00	901.39	3.12	3.18	8.03	D3000 27 WHITE/BLUE	175	NNB06LF	
349			903.89	- - - - -	- - - - -	6.45	- - - - -	- - - - -	- - - - -	174
350		5.00	906.39	3.13	3.18	8.05	D3000 27 WHITE/BLUE	176	NNB06LF	
351			908.89	- - - - -	- - - - -	6.45	- - - - -	- - - - -	- - - - -	175
352		5.00	911.39	3.15	3.18	8.09	D3000 27 WHITE/BLUE	177	NNB06LF	
353			913.89	- - - - -	- - - - -	6.45	- - - - -	- - - - -	- - - - -	176
354		5.00	916.39	3.17	3.18	8.13	D3000 27 WHITE/BLUE	178	NNB06LF	
355			918.89	- - - - -	- - - - -	6.45	- - - - -	- - - - -	- - - - -	177
356		5.00	921.39	3.18	3.18	8.18	D3000 27 WHITE/BLUE	179	NNB06LF	
357			923.89	- - - - -	- - - - -	6.45	- - - - -	- - - - -	- - - - -	178
358		5.00	926.39	3.20	3.18	8.23	D3000 27 WHITE/BLUE	180	NNB06LF	
359			928.89	- - - - -	- - - - -	6.45	- - - - -	- - - - -	- - - - -	179
360		5.00	931.39	3.22	3.18	8.30	D3000 27 WHITE/BLUE	181	NNB06LF	
361			933.89	- - - - -	- - - - -	6.45	- - - - -	- - - - -	- - - - -	180
362		5.00	936.39	3.24	3.18	8.37	D3000 27 WHITE/BLUE	182	NNB06LF	
363			938.89	- - - - -	- - - - -	6.45	- - - - -	- - - - -	- - - - -	181
364		5.00	941.39	3.25	3.18	8.45	D3000 27 WHITE/BLUE	183	NNB06LF	
365			943.89	- - - - -	- - - - -	6.45	- - - - -	- - - - -	- - - - -	182
366		5.00	946.39	3.27	3.18	8.54	D3000 27 WHITE/BLUE	184	NNB06LF	
367			948.89	- - - - -	- - - - -	6.45	- - - - -	- - - - -	- - - - -	183
368		5.00	951.39	3.29	3.18	8.64	D3000 27 WHITE/BLUE	185	NNB06LF	
369			953.89	- - - - -	- - - - -	6.45	- - - - -	- - - - -	- - - - -	184
370		5.00	956.39	3.38	3.46	8.66	D3000 28 BLUE	186	NNB06LF	
371			958.89	- - - - -	- - - - -	6.41	- - - - -	- - - - -	- - - - -	185
TOWER 6	160.11		961.40							
372	5.21		961.60	3.40	3.46	8.65	6.41 D3000 28 BLUE	187	NNB06LF	
373			964.10	- - - - -	- - - - -	6.41	- - - - -	- - - - -	- - - - -	186
374	5.00		966.60	3.34	3.46	8.64	6.41 D3000 28 BLUE	188	NNB06LF	
375			969.10	- - - - -	- - - - -	6.41	- - - - -	- - - - -	- - - - -	187
376	5.00		971.60	3.36	3.46	8.56	6.41 D3000 28 BLUE	189	NNB06LF	
377			974.10	- - - - -	- - - - -	6.41	- - - - -	- - - - -	- - - - -	188
378	5.00		976.60	3.38	3.46	8.45	6.41 D3000 28 BLUE	190	NNB06LF	

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
379		979.10	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	189
380	5.00	981.60	3.39	3.46	8.34	6.41	D3000 28 BLUE	191	NNB06LF	
381		984.10	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	190
382	5.00	986.60	3.41	3.46	8.25	6.41	D3000 28 BLUE	192	NNB06LF	
383		989.10	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	191
384	5.00	991.60	3.42	3.46	8.16	6.41	D3000 28 BLUE	193	NNB06LF	
385		994.10	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	192
386	5.00	996.60	3.44	3.46	8.08	6.41	D3000 28 BLUE	194	NNB06LF	
387		999.10	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	193
388	5.00	1001.60	3.46	3.46	8.00	6.41	D3000 28 BLUE	195	NNB06LF	
389		1004.10	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	194
390	5.00	1006.60	3.48	3.46	7.94	6.41	D3000 28 BLUE	196	NNB06LF	
391		1009.10	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	195
392	5.00	1011.60	3.49	3.46	7.88	6.41	D3000 28 BLUE	197	NNB06LF	
393		1014.10	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	196
394	5.00	1016.60	3.51	3.46	7.83	6.41	D3000 28 BLUE	198	NNB06LF	
395		1019.10	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	197
396	5.00	1021.60	3.53	3.46	7.79	6.41	D3000 28 BLUE	199	NNB06LF	
397		1024.10	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	198
398	5.00	1026.60	3.55	3.46	7.76	6.41	D3000 28 BLUE	200	NNB06LF	
399		1029.10	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	199
400	5.00	1031.60	3.56	3.46	7.74	6.41	D3000 28 BLUE	201	NNB06LF	
401		1034.10	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	200
402	5.00	1036.60	3.57	3.46	7.72	6.41	D3000 28 BLUE	202	NNB06LF	
403		1039.10	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	201
404	4.95	1041.55	3.57	3.46	7.71	6.41	D3000 28 BLUE	203	NNB06LF	
405		1044.00	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	202
406	4.95	1046.50	3.60	3.69	7.71	6.38	D3000 29 BLUE/DK BRN	204	NNB06LF	
407		1049.00	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	203
408	5.00	1051.50	3.64	3.69	7.72	6.38	D3000 29 BLUE/DK BRN	205	NNB06LF	
409		1054.00	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	204
410	5.00	1056.50	3.65	3.69	7.73	6.38	D3000 29 BLUE/DK BRN	206	NNB06LF	
411		1059.00	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	205
412	5.00	1061.50	3.67	3.69	7.76	6.38	D3000 29 BLUE/DK BRN	207	NNB06LF	
413		1064.00	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	206
414	5.00	1066.50	3.69	3.69	7.79	6.38	D3000 29 BLUE/DK BRN	208	NNB06LF	
415		1069.00	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	207
416	5.00	1071.50	3.70	3.69	7.83	6.38	D3000 29 BLUE/DK BRN	209	NNB06LF	
417		1074.00	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	208
418	5.00	1076.50	3.72	3.69	7.87	6.38	D3000 29 BLUE/DK BRN	210	NNB06LF	
419		1079.00	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	209
420	5.00	1081.50	3.74	3.69	7.93	6.38	D3000 29 BLUE/DK BRN	211	NNB06LF	
421		1084.00	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	210
422	5.00	1086.50	3.76	3.69	7.99	6.38	D3000 29 BLUE/DK BRN	212	NNB06LF	
423		1089.00	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	211
424	5.00	1091.50	3.78	3.69	8.06	6.38	D3000 29 BLUE/DK BRN	213	NNB06LF	
425		1094.00	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	212
426	5.00	1096.50	3.80	3.69	8.14	6.38	D3000 29 BLUE/DK BRN	214	NNB06LF	

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
474		5.00	1216.61	4.20	4.17	7.63	6.32 D3000 31 DK BRN/ORN	238	NNB06LF	
475			1219.11	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	237
476		5.00	1221.61	4.22	4.17	7.66	6.32 D3000 31 DK BRN/ORN	239	NNB06LF	
477			1224.11	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	238
478		5.00	1226.61	4.24	4.17	7.70	6.32 D3000 31 DK BRN/ORN	240	NNB06LF	
479			1229.11	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	239
480		5.00	1231.61	4.27	4.17	7.74	6.32 D3000 31 DK BRN/ORN	241	NNB06LF	
481			1234.11	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	240
482		5.00	1236.61	4.29	4.17	7.79	6.32 D3000 31 DK BRN/ORN	242	NNB06LF	
483			1239.11	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	241
484		5.00	1241.61	4.31	4.17	7.85	6.32 D3000 31 DK BRN/ORN	243	NNB06LF	
485			1244.11	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	242
486		5.00	1246.61	4.34	4.46	7.92	6.28 D3000 32 ORANGE	244	NNB06LF	
487			1249.11	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	243
488		5.00	1251.61	4.35	4.46	8.00	6.28 D3000 32 ORANGE	245	NNB06LF	
489			1254.11	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	244
490		5.00	1256.61	4.36	4.46	8.08	6.28 D3000 32 ORANGE	246	NNB06LF	
491			1259.11	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	245
492		5.00	1261.61	4.37	4.46	8.17	6.28 D3000 32 ORANGE	247	NNB06LF	
493			1264.11	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	246
494		5.00	1266.61	4.37	4.46	8.27	6.28 D3000 32 ORANGE	248	NNB06LF	
495			1269.11	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	247
496		5.00	1271.61	4.38	4.46	8.38	6.28 D3000 32 ORANGE	249	NNB06LF	
497			1274.11	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	248
498		5.00	1276.61	4.37	4.46	8.40	6.28 D3000 32 ORANGE	250	NNB06LF	
499			1279.11	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	249
TOWER 8		159.85	1281.36							
500		4.95	1281.56	4.37	4.46	8.40	6.28 D3000 32 ORANGE	251	NNB06LF	
501			1284.06	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	250
502		5.00	1286.56	4.39	4.46	8.40	6.28 D3000 32 ORANGE	252	NNB06LF	
503			1289.06	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	251
504		5.00	1291.56	4.39	4.46	8.40	6.28 D3000 32 ORANGE	253	NNB06LF	
505			1294.06	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	252
506		5.00	1296.56	5.74	5.90	8.40	6.13 D3000 37 PUR/BLK	254	NNB06LF	
507			1299.64	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	253
				PIPE ID CHANGES FROM 6.415 TO 2.060						
508		8.08	1304.64	5.68	5.55	8.39	6.17 D3000 36 PURPLE	255	NNB06LF	
509		5.00	1309.64	5.62	5.55	8.39	6.17 D3000 36 PURPLE	256	NNB06LF	
OVERHANG		28.28	1309.64							
			TOTAL GPM = 600.04							

GPA = 4.84

MINIMUM RECOMMENDED REGULATOR INLET PRESSURE IS 11.00 PSI
 WITH GRADUATED ELEVATION OF 2.00 FT THE INLET PRESSURE IS 11.59 PSI FOR SPRINKLER 254
 THIS POSITION IS THE CLOSEST TO THE MINIMUM RECOMMENDED INLET PRESSURE

HYDRAULICS SUMMARY

TOWER NUMBER	ACRES UNDER SPAN	GPM NEED	ACTUAL GPM	GPM PER ACRE	AVERAGE IN. PER HR DELIVERED UNDER SPAN	AVERAGE IN. DELIVERED FOR REVOLUTION TIME		
						36 HR	48 HR	60 HR
1	1.87	9.04	12.63	6.77	0.015	0.54	0.72	0.90
2	5.56	26.94	26.55	4.77	0.011	0.38	0.51	0.63
3	9.26	44.85	44.19	4.77	0.011	0.38	0.51	0.63
4	12.96	62.75	62.16	4.80	0.011	0.38	0.51	0.64
5	16.66	80.66	80.16	4.81	0.011	0.38	0.51	0.64
6	20.35	98.56	97.42	4.79	0.011	0.38	0.51	0.63
7	24.05	116.47	115.21	4.79	0.011	0.38	0.51	0.64
8	27.70	134.14	133.38	4.81	0.011	0.38	0.51	0.64
OVERHANG	5.28	25.59	28.33	5.36	0.012	0.43	0.57	0.71
TOTAL	123.70	599.00	600.04	4.85				

SUMMARY OF SPRINKLERS

- 24 D3000 9 LT BL/BEIGE
- 2 D3000 10 BEIGE
- 3 D3000 11 BEIGE/GOLD
- 6 D3000 12 GOLD
- 7 D3000 13 GOLD/LIME
- 7 D3000 14 LIME
- 8 D3000 15 LIME/LAV
- 8 D3000 16 LAVENDER
- 9 D3000 17 LAV/GRAY
- 9 D3000 18 GRAY
- 10 D3000 19 GRAY/TURQ
- 9 D3000 20 TURQUOISE
- 10 D3000 21 TURQ/YEL
- 9 D3000 22 YELLOW
- 14 D3000 23 YEL/RED
- 12 D3000 24 RED

SUMMARY OF REGULATORS

- 26 NNB10LF
- 230 NNB06LF

13 D3000 25 RED/WHITE
12 D3000 26 WHITE
13 D3000 27 WHITE/BLUE
18 D3000 28 BLUE
12 D3000 29 BLUE/DK BRN
13 D3000 30 DK BROWN
15 D3000 31 DK BRN/ORN
10 D3000 32 ORANGE
2 D3000 36 PURPLE
1 D3000 37 PUR/BLK

253 PLUGS

TOTAL OF 256 REGULATORS

NOZZLE POSITION CHART

D3000 9 LT BL/BEIGE	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24
D3000 10 BEIGE	25, 26
D3000 11 BEIGE/GOLD	27, 28, 29
D3000 12 GOLD	30, 31, 32, 33, 34, 35
D3000 13 GOLD/LIME	36, 37, 38, 39, 40, 41, 42
D3000 14 LIME	43, 44, 45, 46, 47, 48, 49
D3000 15 LIME/LAV	50, 51, 52, 53, 54, 55, 56, 57
D3000 16 LAVENDER	58, 59, 60, 61, 62, 63, 64, 65
D3000 17 LAV/GRAY	66, 67, 68, 69, 70, 71, 72, 73, 74
D3000 18 GRAY	75, 76, 77, 78, 79, 80, 81, 82, 83
D3000 19 GRAY/TURQ	84, 85, 86, 87, 88, 89, 90, 91, 92, 93
D3000 20 TURQUOISE	94, 95, 96, 97, 98, 99, 100, 101, 102
D3000 21 TURQ/YEL	103, 104, 105, 106, 107, 108, 109, 110, 111, 112
D3000 22 YELLOW	113, 114, 115, 116, 117, 118, 119, 120, 121
D3000 23 YEL/RED	122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135
D3000 24 RED	136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147
D3000 25 RED/WHITE	148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160
D3000 26 WHITE	161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172
D3000 27 WHITE/BLUE	173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185
D3000 28 BLUE	186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203
D3000 29 BLUE/DK BRN	204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215
D3000 30 DK BROWN	216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228
D3000 31 DK BRN/ORN	229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243
D3000 32 ORANGE	244, 245, 246, 247, 248, 249, 250, 251, 252, 253
D3000 36 PURPLE	255, 256
D3000 37 PUR/BLK	254

WISH-76505

PRECIPITATION CHART

APRIL 01, 2014

DEALER - TEETER IRRIGATION

IRRIGATOR - BRENT WOODS

FIELD NO - SW 1/4 1-31-31

TOTAL LENGTH PIPE = 1309.64
 GPM UNDER PIPE = 600.04
 ACRES UNDER PIPE = 123.70
 RANGE OF ENDGUN = .00
 GPM OF ENDGUN = .00
 ACRES UNDER ENDGUN = .00

SYSTEM PRESSURE = 14 PSI
 TOTAL GPM = 600.04

MOTOR SIZE (HP) = .6
 LOADED MOTOR RPM = 1800
 CENTER GEAR BOX RATIO = 53
 WHEEL GEAR BOX RATIO = 52
 TIRE SIZE = 11.2 X 38
 LAST TOWER SPEED (FPM) = 9.39

PRECIPITATION BASED**% TIMER BASED**

PRECIPITATION INCHES	% TIMER SETTING	TIME HOURS	% TIMER SETTING	PRECIPITATION INCHES	TIME HOURS
.15	100.00	14.29 - 857 min	100.00	.15	14.29 - 857 min
.20	76.56	18.66	90.00	.17	15.87
.25	61.25	23.32	80.00	.19	17.86
.30	51.04	27.99	70.00	.22	20.41
.40	38.28	37.32	60.00	.26	23.81
.50	30.62	46.65	50.00	.31	28.57
.60	25.52	55.98	45.00	.34	31.75
.70	21.87	65.31	40.00	.38	35.72
.75	20.42	69.97	35.00	.44	40.82
.80	19.14	74.64	30.00	.51	47.62
.90	17.01	83.97	25.00	.61	57.14
1.00	15.31	93.30	20.00	.77	71.43
1.25	12.25	116.62	15.00	1.02	95.24
1.50	10.21	139.95	10.00	1.53	142.86
1.75	8.75	163.27	5.00	3.06	285.72

CAUTION: The relationship between precipitation rate, timer setting, and hours per revolution provided above are theoretical numbers based on the data list at the top of the page. Actual precipitation rates may vary due to the following field and machine conditions: wind drift; evaporation; tire slippage, tire loaded radius; drive train efficiency; elevation changes; soil type. Due to these varying field and machine conditions the above chart should be used as a guide only.

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 600 @ 14 PSI

VALLEY 8000 - 30
 NELSON D3000 SPRAY NOZZLES
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Rotation time at 100% = 14.29 Hours Or 857 minutes

Installation Chart

Page 1

Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg		
1	PLUG				48	25	10	10LF		43	48	14	6LF		25	71	17	6LF		7	PLUG	94	20	6LF		
2	PLUG				49	PLUG				44	PLUG	49	14	6LF		26	PLUG				8	PLUG	95	20	6LF	
3	1	9	10LF		50	26	10	10LF		45	PLUG	49	14	6LF		27	72	17	6LF		9	PLUG				
4	2	9	10LF		51	PLUG				46	PLUG	50	15	6LF		28	PLUG	73	17	6LF		10	PLUG			
5	3	9	10LF		TOWER 1					47	PLUG	51	15	6LF		29	PLUG				11	PLUG	96	20	6LF	
6	4	9	10LF		1	27	11	6LF		48	PLUG	51	15	6LF		30	PLUG				12	PLUG				
7	PLUG				2	PLUG				49	PLUG	51	15	6LF		31	74	17	6LF		13	PLUG	97	20	6LF	
8	5	9	10LF		3	28	11	6LF		50	PLUG	52	15	6LF		32	PLUG				14	PLUG				
9	PLUG				4	PLUG				51	PLUG	52	15	6LF		33	75	18	6LF		15	PLUG	98	20	6LF	
10	6	9	10LF		5	29	11	6LF		52	PLUG	53	15	6LF		34	PLUG				16	PLUG				
11	PLUG				6	PLUG				53	PLUG	53	15	6LF		35	76	18	6LF		17	PLUG	99	20	6LF	
12	7	9	10LF		7	30	12	6LF		54	PLUG	54	15	6LF		36	PLUG				18	PLUG				
13	PLUG				8	PLUG				55	PLUG	54	15	6LF		37	77	18	6LF		19	PLUG	100	20	6LF	
14	8	9	10LF		9	31	12	6LF		56	PLUG	55	15	6LF		38	PLUG				20	PLUG				
15	PLUG				10	PLUG				57	PLUG	55	15	6LF		39	78	18	6LF		21	PLUG	101	20	6LF	
16	9	9	10LF		11	32	12	6LF		58	PLUG	56	15	6LF		40	PLUG				22	PLUG				
17	PLUG				12	PLUG				59	PLUG	56	15	6LF		41	79	18	6LF		23	PLUG	102	20	6LF	
18	10	9	10LF		13	33	12	6LF		60	PLUG	57	15	6LF		42	PLUG				24	PLUG				
19	PLUG				14	PLUG				61	PLUG	57	15	6LF		43	80	18	6LF		25	PLUG	103	21	6LF	
20	11	9	10LF		15	34	12	6LF		62	PLUG	58	16	6LF		44	PLUG				26	PLUG				
21	PLUG				16	PLUG				63	PLUG	58	16	6LF		45	81	18	6LF		27	PLUG	104	21	6LF	
22	12	9	10LF		17	35	12	6LF		64	PLUG					46	PLUG				28	PLUG				
23	PLUG				18	PLUG				TOWER 2					47	82	18	6LF		29	PLUG	105	21	6LF		
24	13	9	10LF		19	36	13	6LF		1	PLUG	59	16	6LF		48	PLUG				30	PLUG				
25	PLUG				20	PLUG				2	PLUG					49	83	18	6LF		31	PLUG	106	21	6LF	
26	14	9	10LF		21	37	13	6LF		3	PLUG	60	16	6LF		50	PLUG				32	PLUG				
27	PLUG				22	PLUG				4	PLUG					51	84	19	6LF		33	PLUG	107	21	6LF	
28	15	9	10LF		23	38	13	6LF		5	PLUG	61	16	6LF		52	PLUG				34	PLUG				
29	PLUG				24	PLUG				6	PLUG					53	85	19	6LF		35	PLUG	108	21	6LF	
30	16	9	10LF		25	39	13	6LF		7	PLUG	62	16	6LF		54	PLUG				36	PLUG				
31	PLUG				26	PLUG				8	PLUG					55	86	19	6LF		37	PLUG	109	21	6LF	
32	17	9	10LF		27	40	13	6LF		9	PLUG	63	16	6LF		56	PLUG				38	PLUG				
33	PLUG				28	PLUG				10	PLUG					57	87	19	6LF		39	PLUG	110	21	6LF	
34	18	9	10LF		29	41	13	6LF		11	PLUG	64	16	6LF		58	PLUG				40	PLUG				
35	PLUG				30	PLUG				12	PLUG					59	88	19	6LF		41	PLUG	111	21	6LF	
36	19	9	10LF		31	42	13	6LF		13	PLUG	65	16	6LF		60	PLUG				42	PLUG				
37	PLUG				32	PLUG				14	PLUG					61	89	19	6LF		43	PLUG	112	21	6LF	
38	20	9	10LF		33	43	14	6LF		15	PLUG	66	17	6LF		62	PLUG				44	PLUG				
39	PLUG				34	PLUG				16	PLUG					63	90	19	6LF		45	PLUG	113	22	6LF	
40	21	9	10LF		35	44	14	6LF		17	PLUG	67	17	6LF		64	PLUG				46	PLUG				
41	PLUG				36	PLUG				18	PLUG					TOWER 3				47	PLUG	114	22	6LF		
42	22	9	10LF		37	45	14	6LF		19	PLUG	68	17	6LF		1	91	19	6LF		48	PLUG				
43	PLUG				38	PLUG				20	PLUG					2	PLUG				49	PLUG	115	22	6LF	
44	23	9	10LF		39	46	14	6LF		21	PLUG	69	17	6LF		3	92	19	6LF		50	PLUG				
45	PLUG				40	PLUG				22	PLUG					4	PLUG				51	PLUG	116	22	6LF	
46	24	9	10LF		41	47	14	6LF		23	PLUG	70	17	6LF		5	93	19	6LF		52	PLUG				
47	PLUG				42	PLUG				24	PLUG					6	PLUG				53	PLUG	117	22	6LF	

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Rotation time at 100% = 14.29 Hours Or 857 minutes

Installation Chart

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Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg
54	PLUG				36	PLUG				18	PLUG									47		210	29	6LF
55		118	22	6LF	37		141	24	6LF	19		164	26	6LF	1		187	28	6LF	48	PLUG			
56	PLUG				38	PLUG				20	PLUG				2	PLUG				49		211	29	6LF
57		119	22	6LF	39		142	24	6LF	21		165	26	6LF	3		188	28	6LF	50	PLUG			
58	PLUG				40	PLUG				22	PLUG				4	PLUG				51		212	29	6LF
59		120	22	6LF	41		143	24	6LF	23		166	26	6LF	5		189	28	6LF	52	PLUG			
60	PLUG				42	PLUG				24	PLUG				6	PLUG				53		213	29	6LF
61		121	22	6LF	43		144	24	6LF	25		167	26	6LF	7		190	28	6LF	54	PLUG			
62	PLUG				44	PLUG				26	PLUG				8	PLUG				55		214	29	6LF
63		122	23	6LF	45		145	24	6LF	27		168	26	6LF	9		191	28	6LF	56	PLUG			
64	PLUG				46	PLUG				28	PLUG				10	PLUG				57		215	29	6LF
	TOWER 4				47		146	24	6LF	29		169	26	6LF	11		192	28	6LF	58	PLUG			
1		123	23	6LF	48	PLUG				30	PLUG				12	PLUG				59		216	30	6LF
2	PLUG				49		147	24	6LF	31		170	26	6LF	13		193	28	6LF	60	PLUG			
3		124	23	6LF	50	PLUG				32	PLUG				14	PLUG				61		217	30	6LF
4	PLUG				51		148	25	6LF	33		171	26	6LF	15		194	28	6LF	62	PLUG			
5		125	23	6LF	52	PLUG				34	PLUG				16	PLUG				63		218	30	6LF
6	PLUG				53		149	25	6LF	35		172	26	6LF	17		195	28	6LF	64	PLUG			
7		126	23	6LF	54	PLUG				36	PLUG				18	PLUG					TOWER 7			
8	PLUG				55		150	25	6LF	37		173	27	6LF	19		196	28	6LF	1		219	30	6LF
9		127	23	6LF	56	PLUG				38	PLUG				20	PLUG				2	PLUG			
10	PLUG				57		151	25	6LF	39		174	27	6LF	21		197	28	6LF	3		220	30	6LF
11		128	23	6LF	58	PLUG				40	PLUG				22	PLUG				4	PLUG			
12	PLUG				59		152	25	6LF	41		175	27	6LF	23		198	28	6LF	5		221	30	6LF
13		129	23	6LF	60	PLUG				42	PLUG				24	PLUG				6	PLUG			
14	PLUG				61		153	25	6LF	43		176	27	6LF	25		199	28	6LF	7		222	30	6LF
15		130	23	6LF	62	PLUG				44	PLUG				26	PLUG				8	PLUG			
16	PLUG				63		154	25	6LF	45		177	27	6LF	27		200	28	6LF	9		223	30	6LF
17		131	23	6LF	64	PLUG				46	PLUG				28	PLUG				10	PLUG			
18	PLUG					TOWER 5				47		178	27	6LF	29		201	28	6LF	11		224	30	6LF
19		132	23	6LF	1		155	25	6LF	48	PLUG				30	PLUG				12	PLUG			
20	PLUG				2	PLUG				49		179	27	6LF	31		202	28	6LF	13		225	30	6LF
21		133	23	6LF	3		156	25	6LF	50	PLUG				32	PLUG				14	PLUG			
22	PLUG				4	PLUG				51		180	27	6LF	33		203	28	6LF	15		226	30	6LF
23		134	23	6LF	5		157	25	6LF	52	PLUG				34	PLUG				16	PLUG			
24	PLUG				6	PLUG				53		181	27	6LF	35		204	29	6LF	17		227	30	6LF
25		135	23	6LF	7		158	25	6LF	54	PLUG				36	PLUG				18	PLUG			
26	PLUG				8	PLUG				55		182	27	6LF	37		205	29	6LF	19		228	30	6LF
27		136	24	6LF	9		159	25	6LF	56	PLUG				38	PLUG				20	PLUG			
28	PLUG				10	PLUG				57		183	27	6LF	39		206	29	6LF	21		229	31	6LF
29		137	24	6LF	11		160	25	6LF	58	PLUG				40	PLUG				22	PLUG			
30	PLUG				12	PLUG				59		184	27	6LF	41		207	29	6LF	23		230	31	6LF
31		138	24	6LF	13		161	26	6LF	60	PLUG				42	PLUG				24	PLUG			
32	PLUG				14	PLUG				61		185	27	6LF	43		208	29	6LF	25		231	31	6LF
33		139	24	6LF	15		162	26	6LF	62	PLUG				44	PLUG				26	PLUG			
34	PLUG				16	PLUG				63		186	28	6LF	45		209	29	6LF	27		232	31	6LF
35		140	24	6LF	17		163	26	6LF	64	PLUG				46	PLUG				28	PLUG			

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Installation Chart

Out #	Drop Len	Sprk #	Noz Size	Reg
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29		233	31	6LF
30	PLUG			
31		234	31	6LF
32	PLUG			
33		235	31	6LF
34	PLUG			
35		236	31	6LF
36	PLUG			
37		237	31	6LF
38	PLUG			
39		238	31	6LF
40	PLUG			
41		239	31	6LF
42	PLUG			
43		240	31	6LF
44	PLUG			
45		241	31	6LF
46	PLUG			
47		242	31	6LF
48	PLUG			
49		243	31	6LF
50	PLUG			
51		244	32	6LF
52	PLUG			
53		245	32	6LF
54	PLUG			
55		246	32	6LF
56	PLUG			
57		247	32	6LF
58	PLUG			
59		248	32	6LF
60	PLUG			
61		249	32	6LF
62	PLUG			
63		250	32	6LF
64	PLUG			
TOWER 8				
1		251	32	6LF
2	PLUG			
3		252	32	6LF
4	PLUG			
5		253	32	6LF
6	PLUG			
7		254	37	6LF
8	PLUG			
9		255	36	6LF
10		256	36	6LF