

# WESTERN KANSAS IRRIGATION

SEPTEMBER 26, 2025

WISH-119626

CUSTOMER : PARKS BROTHERS

VALLEY 8000 - 30  
16 TOWER - 2576.53 FT  
SYSTEM 625 GPM @ 22 PSI

LEGAL : SECTION 2-31-40  
P.O. NO. : INV170091

SENNINGER HD LOW DRIFT SPRAY NOZZLES  
SENNINGER 10 & 6 PSI REGULATORS  
NO ENDGUN  
ELEVATION 26 FT UP, 20 FT DOWN

125 N. FRONTAGE ROAD  
JOHNSON, KANSAS 67855  
(620)492-2362

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#### 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

SEPTEMBER 26, 2025

WISH-119626

DEALER

WESTERN KANSAS IRRIGATION  
125 N. FRONTAGE ROAD  
JOHNSON, KANSAS 67855

IRRIGATOR

PARKS BROTHERS  
SECTION 2-31-40  
INV170091

				SPAN #	LENGTH	PIPE I.D.	# OF HEADS
TOTAL TARGET GPM	625.00	FRICTION FACTOR USED	140				
TOP OF PIVOT PRESSURE	22.00	TOTAL LENGTH	2576.53	1	115.93	8.415	12
NO ENDGUN		NUMBER OF TOWERS	16	2	160.11	8.415	21
NUMBER OF OUTLETS	1017	NUMBER OF SPRINKLERS	469	3	160.11	8.415	21
				4	160.11	8.415	31
SENNINGER HD LOW DRIFT SPRAY NOZZLES - CONCAVE GROOVED PADS X BEIGE BUBBLERS				5	160.11	8.415	31
SENNINGER FPSR2 10 & 6 PSI SERIES REGULATORS				6	160.11	8.415	31
DROPS AVERAGE 12.5 FT OF .75 I.D. FLEXIBLE HOSE - EXTERNAL WEIGHT				7	160.11	8.415	31
ELEVATION IS 26 FT UP AND 20 FT DOWN				8	160.11	8.415	31
				9	160.11	8.415	31
				10	160.11	8.415	31
				11	160.11	8.415	31
				12	160.11	8.415	31
				13	160.11	8.415	31
				14	160.11	8.415	31
				15	135.26	6.415	26
				16	179.91	6.415	35
				OH	36.58	6.415	7
					27.42	3.79	6

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	0.07	0.37	21.58	11.40	SN	LD	NOZ	4	LT	BLUE			1	FPSR210	
4	9.00	32.40	0.05	0.37	21.43	11.40	SN	LD	NOZ	4	LT	BLUE			2	FPSR210	
5	9.00	41.40	0.06	0.37	21.32	11.40	SN	LD	NOZ	4	LT	BLUE			3	FPSR210	
6		46.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
7	7.28	48.68	0.07	0.37	21.26	11.40	SN	LD	NOZ	4	LT	BLUE			4	FPSR210	
8		51.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
9		53.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
10	7.50	56.18	0.08	0.37	21.22	11.40	SN	LD	NOZ	4	LT	BLUE			5	FPSR210	
11		58.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
12		61.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
13	7.50	63.68	0.09	0.37	21.21	11.40	SN	LD	NOZ	4	LT	BLUE			6	FPSR210	
14		66.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
15		68.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
16	7.50	71.18	0.10	0.37	21.23	11.40	SN	LD	NOZ	4	LT	BLUE			7	FPSR210	
17		73.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
18		76.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
19	7.50	78.68	0.11	0.37	21.28	11.40	SN	LD	NOZ	4	LT	BLUE			8	FPSR210	
20		81.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
21		83.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
22	7.50	86.18	0.12	0.37	21.35	11.40	SN	LD	NOZ	4	LT	BLUE			9	FPSR210	
23		88.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
24		91.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
25	7.50	93.68	0.13	0.37	21.45	11.40	SN	LD	NOZ	4	LT	BLUE			10	FPSR210	
26		96.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
27		98.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
28	7.50	101.18	0.14	0.37	21.58	11.40	SN	LD	NOZ	4	LT	BLUE			11	FPSR210	
29		103.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
30		106.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19
31	7.50	108.68	0.18	0.37	21.73	11.40	SN	LD	NOZ	4	LT	BLUE			12	FPSR210	
32		111.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
33		113.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21
TOWER 1	115.93	115.93															
34		116.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22
35	9.95	118.63	0.19	0.37	21.73	11.40	SN	LD	NOZ	4	LT	BLUE			13	FPSR210	
36		121.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23
37		123.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
38	7.50	126.13	0.18	0.37	21.65	11.40	SN	LD	NOZ	4	LT	BLUE			14	FPSR210	
39		128.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25
40		131.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26
41	7.50	133.63	0.19	0.37	21.48	11.40	SN	LD	NOZ	4	LT	BLUE			15	FPSR210	
42		136.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27
43		138.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28
44	7.50	141.13	0.20	0.37	21.33	11.40	SN	LD	NOZ	4	LT	BLUE			16	FPSR210	
45		143.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29
46		146.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30
47	7.50	148.63	0.21	0.37	21.19	11.40	SN	LD	NOZ	4	LT	BLUE			17	FPSR210	

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.
48		151.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
49		153.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32
50	7.50	156.13	0.22	0.37	21.07	11.40	SN	LD	NOZ	4	LT	BLUE					18	FPSR210	
51		158.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33
52		161.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34
53	7.50	163.63	0.23	0.37	20.98	11.40	SN	LD	NOZ	4	LT	BLUE					19	FPSR210	
54		166.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35
55		168.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36
56	7.50	171.13	0.24	0.37	20.89	11.40	SN	LD	NOZ	4	LT	BLUE					20	FPSR210	
57		173.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37
58		176.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38
59	7.50	178.63	0.25	0.37	20.83	11.40	SN	LD	NOZ	4	LT	BLUE					21	FPSR210	
60		181.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39
61		183.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40
62	7.50	186.13	0.26	0.37	20.78	11.40	SN	LD	NOZ	4	LT	BLUE					22	FPSR210	
63		188.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41
64		191.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42
65	7.50	193.63	0.27	0.37	20.75	11.40	SN	LD	NOZ	4	LT	BLUE					23	FPSR210	
66		196.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43
67		198.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44
68	7.40	201.03	0.28	0.37	20.74	11.40	SN	LD	NOZ	4	LT	BLUE					24	FPSR210	
69		203.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45
70		206.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46
71	7.50	208.53	0.29	0.37	20.75	11.40	SN	LD	NOZ	4	LT	BLUE					25	FPSR210	
72		211.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47
73		213.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48
74	7.50	216.03	0.30	0.37	20.77	11.40	SN	LD	NOZ	4	LT	BLUE					26	FPSR210	
75		218.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49
76		221.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50
77	7.50	223.53	0.31	0.37	20.81	11.40	SN	LD	NOZ	4	LT	BLUE					27	FPSR210	
78		226.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51
79		228.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
80	7.50	231.03	0.32	0.37	20.87	11.40	SN	LD	NOZ	4	LT	BLUE					28	FPSR210	
81		233.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53
82		236.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54
83	7.50	238.53	0.33	0.37	20.95	11.40	SN	LD	NOZ	4	LT	BLUE					29	FPSR210	
84		241.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55
85		243.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56
86	7.50	246.03	0.34	0.37	21.04	11.40	SN	LD	NOZ	4	LT	BLUE					30	FPSR210	
87		248.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57
88		251.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58
89	7.50	253.53	0.35	0.37	21.15	11.40	SN	LD	NOZ	4	LT	BLUE					31	FPSR210	
90		256.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59
91		258.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60
92	7.50	261.03	0.36	0.37	21.28	11.40	SN	LD	NOZ	4	LT	BLUE					32	FPSR210	
93		263.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61
94		266.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62
95	7.50	268.53	0.44	0.46	21.40	11.40	SN	LD	NOZ	4.5	LT	BL/BEIGE					33	FPSR210	

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.				
TOWER 2	160.11	96	271.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63
		97	273.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64
		98	276.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10.21	99	276.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	
		100	278.74	0.46	0.46	21.38	11.40	SN	LD	NOZ	4.5	LT	BL/BEIGE		34	FPSR210										
		101	281.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66
	7.50	102	283.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67	
		103	286.24	0.40	0.37	21.30	11.40	SN	LD	NOZ	4	LT	BLUE		35	FPSR210										
		104	288.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	
		105	291.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69	
	7.50	106	293.74	0.41	0.37	21.13	11.40	SN	LD	NOZ	4	LT	BLUE		36	FPSR210										
		107	296.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70	
		108	298.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	71	
	7.50	109	301.24	0.42	0.46	20.97	11.40	SN	LD	NOZ	4.5	LT	BL/BEIGE		37	FPSR210										
		110	303.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72	
		111	306.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73	
	7.50	112	308.74	0.43	0.46	20.84	11.40	SN	LD	NOZ	4.5	LT	BL/BEIGE		38	FPSR210										
		113	311.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	
		114	313.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	
	7.50	115	316.24	0.44	0.46	20.72	11.40	SN	LD	NOZ	4.5	LT	BL/BEIGE		39	FPSR210										
		116	318.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76	
		117	321.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77	
	7.50	118	323.74	0.45	0.46	20.62	11.40	SN	LD	NOZ	4.5	LT	BL/BEIGE		40	FPSR210										
		119	326.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	78	
		120	328.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79	
	7.50	121	331.24	0.46	0.46	20.54	11.40	SN	LD	NOZ	4.5	LT	BL/BEIGE		41	FPSR210										
		122	333.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	
		123	336.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81	
	7.50	124	338.74	0.47	0.46	20.48	11.40	SN	LD	NOZ	4.5	LT	BL/BEIGE		42	FPSR210										
		125	341.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	
		126	343.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83	
	7.50	127	346.24	0.48	0.46	20.43	11.40	SN	LD	NOZ	4.5	LT	BL/BEIGE		43	FPSR210										
		128	348.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	84	
		129	351.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	
	7.50	130	353.74	0.49	0.46	20.40	11.40	SN	LD	NOZ	4.5	LT	BL/BEIGE		44	FPSR210										
		131	356.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86	
		132	358.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87	
	7.40	133	361.14	0.50	0.46	20.39	11.40	SN	LD	NOZ	4.5	LT	BL/BEIGE		45	FPSR210										
		134	363.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88	
		135	366.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89	
	7.50	136	368.64	0.51	0.46	20.40	11.40	SN	LD	NOZ	4.5	LT	BL/BEIGE		46	FPSR210										
		137	371.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90	
		138	373.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	
	7.50	139	376.14	0.52	0.46	20.42	11.40	SN	LD	NOZ	4.5	LT	BL/BEIGE		47	FPSR210										
		140	378.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92	
		141	381.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93	
	7.50	142	383.64	0.53	0.59	20.46	11.40	SN	LD	NOZ	5	BEIGE		48	FPSR210											
			386.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94	

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.
143	7.50	388.64	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	95
144		391.14	0.54	0.59	20.52	11.40	SN LD NOZ 5 BEIGE										49	FPSR210	96
145		393.64	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	
146		396.14	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	97
147	7.50	398.64	0.55	0.59	20.60	11.40	SN LD NOZ 5 BEIGE										50	FPSR210	98
148		401.14	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	99
149		403.64	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	100
150		406.14	0.56	0.59	20.69	11.40	SN LD NOZ 5 BEIGE										51	FPSR210	
151	7.50	408.64	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	101
152		411.14	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	102
153		413.64	0.57	0.59	20.81	11.40	SN LD NOZ 5 BEIGE										52	FPSR210	
154		416.14	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	103
155	7.50	418.64	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	104
156		421.14	0.59	0.59	20.94	11.40	SN LD NOZ 5 BEIGE										53	FPSR210	
157		423.64	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	105
158		426.14	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	106
159	7.50	428.64	0.70	0.73	21.05	11.40	SN LD NOZ 5.5 BEIGE/GOLD										54	FPSR210	
160		431.14	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	107
161		433.64	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	108
TOWER 3		436.15	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	
162	10.21	436.35	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	109
163		438.85	0.62	0.58	21.03	7.27	SN LD NOZ 5.5 BEIGE/GOLD										55	FPSR206	
164		441.35	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	110
165		443.85	0.41	0.47	21.01	7.28	SN LD NOZ 5 BEIGE										56	FPSR206	111
166	5.00	446.35	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	
167		448.85	0.42	0.47	20.89	7.28	SN LD NOZ 5 BEIGE										57	FPSR206	112
168		451.35	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	
169		453.85	0.42	0.47	20.78	7.28	SN LD NOZ 5 BEIGE										58	FPSR206	113
170	5.00	456.35	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	
171		458.85	0.43	0.47	20.68	7.28	SN LD NOZ 5 BEIGE										59	FPSR206	114
172		461.35	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	
173		463.85	0.43	0.47	20.58	7.28	SN LD NOZ 5 BEIGE										60	FPSR206	115
174	5.00	466.35	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	
175		468.85	0.43	0.47	20.50	7.28	SN LD NOZ 5 BEIGE										61	FPSR206	116
176		471.35	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	
177		473.85	0.44	0.47	20.42	7.28	SN LD NOZ 5 BEIGE										62	FPSR206	117
178	5.00	476.35	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	
179		478.85	0.44	0.47	20.35	7.28	SN LD NOZ 5 BEIGE										63	FPSR206	118
180		481.35	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	
181		483.85	0.45	0.47	20.28	7.28	SN LD NOZ 5 BEIGE										64	FPSR206	119
182	5.00	486.35	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	
183		488.85	0.45	0.47	20.23	7.28	SN LD NOZ 5 BEIGE										65	FPSR206	120
184		491.35	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	
185		493.85	0.46	0.47	20.18	7.28	SN LD NOZ 5 BEIGE										66	FPSR206	121
186	5.00	496.35	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	
187		498.85	0.46	0.47	20.14	7.28	SN LD NOZ 5 BEIGE										67	FPSR206	122
188		501.35	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	
189		503.85	0.47	0.47	20.11	7.28	SN LD NOZ 5 BEIGE										68	FPSR206	





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.
285	5.00	743.86	0.69	0.70	20.34	7.26	SN	LD	NOZ	6	GOLD		115	FPSR206	
286		746.36	-	-	-	-	-	-	-	-	-	-	-	-	171
287	5.00	748.86	1.06	1.09	20.41	7.27	SN	LD	NOZ	7.5	LIME/LAV		116	SPSR06	
288		751.36	-	-	-	-	-	-	-	-	-	-	-	-	172
289		753.86	-	-	-	-	-	-	-	-	-	-	-	-	173
TOWER 5	160.11	756.37													
290		756.57	-	-	-	-	-	-	-	-	-	-	-	-	174
291	10.21	759.07	1.07	1.09	20.39	7.27	SN	LD	NOZ	7.5	LIME/LAV		117	SPSR06	
292		761.57	-	-	-	-	-	-	-	-	-	-	-	-	175
293	5.00	764.07	0.71	0.70	20.37	7.26	SN	LD	NOZ	6	GOLD		118	FPSR206	
294		766.57	-	-	-	-	-	-	-	-	-	-	-	-	176
295	5.00	769.07	0.71	0.70	20.25	7.26	SN	LD	NOZ	6	GOLD		119	FPSR206	
296		771.57	-	-	-	-	-	-	-	-	-	-	-	-	177
297	5.00	774.07	0.72	0.70	20.14	7.26	SN	LD	NOZ	6	GOLD		120	FPSR206	
298		776.57	-	-	-	-	-	-	-	-	-	-	-	-	178
299	5.00	779.07	0.72	0.70	20.04	7.26	SN	LD	NOZ	6	GOLD		121	FPSR206	
300		781.57	-	-	-	-	-	-	-	-	-	-	-	-	179
301	5.00	784.07	0.73	0.70	19.95	7.26	SN	LD	NOZ	6	GOLD		122	FPSR206	
302		786.57	-	-	-	-	-	-	-	-	-	-	-	-	180
303	5.00	789.07	0.73	0.70	19.86	7.26	SN	LD	NOZ	6	GOLD		123	FPSR206	
304		791.57	-	-	-	-	-	-	-	-	-	-	-	-	181
305	5.00	794.07	0.74	0.70	19.78	7.26	SN	LD	NOZ	6	GOLD		124	FPSR206	
306		796.57	-	-	-	-	-	-	-	-	-	-	-	-	182
307	5.00	799.07	0.74	0.70	19.71	7.26	SN	LD	NOZ	6	GOLD		125	FPSR206	
308		801.57	-	-	-	-	-	-	-	-	-	-	-	-	183
309	5.00	804.07	0.74	0.70	19.65	7.26	SN	LD	NOZ	6	GOLD		126	FPSR206	
310		806.57	-	-	-	-	-	-	-	-	-	-	-	-	184
311	5.00	809.07	0.75	0.70	19.59	7.26	SN	LD	NOZ	6	GOLD		127	FPSR206	
312		811.57	-	-	-	-	-	-	-	-	-	-	-	-	185
313	5.00	814.07	0.75	0.70	19.55	7.26	SN	LD	NOZ	6	GOLD		128	FPSR206	
314		816.57	-	-	-	-	-	-	-	-	-	-	-	-	186
315	5.00	819.07	0.76	0.70	19.51	7.26	SN	LD	NOZ	6	GOLD		129	FPSR206	
316		821.57	-	-	-	-	-	-	-	-	-	-	-	-	187
317	5.00	824.07	0.76	0.70	19.48	7.26	SN	LD	NOZ	6	GOLD		130	FPSR206	
318		826.57	-	-	-	-	-	-	-	-	-	-	-	-	188
319	5.00	829.07	0.77	0.82	19.45	7.26	SN	LD	NOZ	6.5	GOLD/LIME		131	FPSR206	
320		831.57	-	-	-	-	-	-	-	-	-	-	-	-	189
321	5.00	834.07	0.77	0.82	19.44	7.26	SN	LD	NOZ	6.5	GOLD/LIME		132	FPSR206	
322		836.52	-	-	-	-	-	-	-	-	-	-	-	-	190
323	4.90	838.97	0.77	0.83	19.43	7.28	SN	LD	NOZ	6.5	GOLD/LIME		133	SPSR06	
324		841.47	-	-	-	-	-	-	-	-	-	-	-	-	191
325	5.00	843.97	0.78	0.83	19.43	7.28	SN	LD	NOZ	6.5	GOLD/LIME		134	SPSR06	
326		846.47	-	-	-	-	-	-	-	-	-	-	-	-	192
327	5.00	848.97	0.79	0.83	19.44	7.28	SN	LD	NOZ	6.5	GOLD/LIME		135	SPSR06	
328		851.47	-	-	-	-	-	-	-	-	-	-	-	-	193
329	5.00	853.97	0.79	0.83	19.45	7.28	SN	LD	NOZ	6.5	GOLD/LIME		136	SPSR06	
330		856.47	-	-	-	-	-	-	-	-	-	-	-	-	194
331	5.00	858.97	0.80	0.83	19.48	7.28	SN	LD	NOZ	6.5	GOLD/LIME		137	SPSR06	



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	5.00	979.18	0.91	0.96	19.23	7.28	SN	LD	NOZ	7	LIME			160	SPSR06	
380		981.68	-	-	-	-	-	-	-	-	-	-	-	-	-	220
381	5.00	984.18	0.91	0.96	19.20	7.28	SN	LD	NOZ	7	LIME			161	SPSR06	
382		986.68	-	-	-	-	-	-	-	-	-	-	-	-	-	221
383	5.00	989.18	0.92	0.96	19.17	7.28	SN	LD	NOZ	7	LIME			162	SPSR06	
384		991.68	-	-	-	-	-	-	-	-	-	-	-	-	-	222
385	5.00	994.18	0.91	0.96	19.16	7.28	SN	LD	NOZ	7	LIME			163	SPSR06	
386		996.63	-	-	-	-	-	-	-	-	-	-	-	-	-	223
387	4.90	999.08	0.92	0.96	19.15	7.28	SN	LD	NOZ	7	LIME			164	SPSR06	
388		1001.58	-	-	-	-	-	-	-	-	-	-	-	-	-	224
389	5.00	1004.08	0.93	0.96	19.15	7.28	SN	LD	NOZ	7	LIME			165	SPSR06	
390		1006.58	-	-	-	-	-	-	-	-	-	-	-	-	-	225
391	5.00	1009.08	0.93	0.96	19.16	7.28	SN	LD	NOZ	7	LIME			166	SPSR06	
392		1011.58	-	-	-	-	-	-	-	-	-	-	-	-	-	226
393	5.00	1014.08	0.94	0.96	19.18	7.28	SN	LD	NOZ	7	LIME			167	SPSR06	
394		1016.58	-	-	-	-	-	-	-	-	-	-	-	-	-	227
395	5.00	1019.08	0.94	0.96	19.20	7.28	SN	LD	NOZ	7	LIME			168	SPSR06	
396		1021.58	-	-	-	-	-	-	-	-	-	-	-	-	-	228
397	5.00	1024.08	0.95	0.96	19.23	7.28	SN	LD	NOZ	7	LIME			169	SPSR06	
398		1026.58	-	-	-	-	-	-	-	-	-	-	-	-	-	229
399	5.00	1029.08	0.95	0.96	19.27	7.28	SN	LD	NOZ	7	LIME			170	SPSR06	
400		1031.58	-	-	-	-	-	-	-	-	-	-	-	-	-	230
401	5.00	1034.08	0.96	0.96	19.32	7.28	SN	LD	NOZ	7	LIME			171	SPSR06	
402		1036.58	-	-	-	-	-	-	-	-	-	-	-	-	-	231
403	5.00	1039.08	0.96	0.96	19.38	7.28	SN	LD	NOZ	7	LIME			172	SPSR06	
404		1041.58	-	-	-	-	-	-	-	-	-	-	-	-	-	232
405	5.00	1044.08	0.97	0.96	19.44	7.28	SN	LD	NOZ	7	LIME			173	SPSR06	
406		1046.58	-	-	-	-	-	-	-	-	-	-	-	-	-	233
407	5.00	1049.08	0.97	0.96	19.51	7.28	SN	LD	NOZ	7	LIME			174	SPSR06	
408		1051.58	-	-	-	-	-	-	-	-	-	-	-	-	-	234
409	5.00	1054.08	0.98	0.96	19.59	7.28	SN	LD	NOZ	7	LIME			175	SPSR06	
410		1056.58	-	-	-	-	-	-	-	-	-	-	-	-	-	235
411	5.00	1059.08	0.98	0.96	19.68	7.28	SN	LD	NOZ	7	LIME			176	SPSR06	
412		1061.58	-	-	-	-	-	-	-	-	-	-	-	-	-	236
413	5.00	1064.08	0.99	0.96	19.78	7.28	SN	LD	NOZ	7	LIME			177	SPSR06	
414		1066.58	-	-	-	-	-	-	-	-	-	-	-	-	-	237
415	5.00	1069.08	1.51	1.55	19.85	7.26	SN	LD	NOZ	9	GREY			178	SPSR06	
416		1071.58	-	-	-	-	-	-	-	-	-	-	-	-	-	238
417		1074.08	-	-	-	-	-	-	-	-	-	-	-	-	-	239
TOWER 7	160.11	1076.59														
418		1076.79	-	-	-	-	-	-	-	-	-	-	-	-	-	240
419	10.21	1079.29	1.52	1.55	19.83	7.26	SN	LD	NOZ	9	GREY			179	SPSR06	
420		1081.79	-	-	-	-	-	-	-	-	-	-	-	-	-	241
421	5.00	1084.29	1.00	0.96	19.81	7.28	SN	LD	NOZ	7	LIME			180	SPSR06	
422		1086.79	-	-	-	-	-	-	-	-	-	-	-	-	-	242
423	5.00	1089.29	1.01	0.96	19.70	7.28	SN	LD	NOZ	7	LIME			181	SPSR06	
424		1091.79	-	-	-	-	-	-	-	-	-	-	-	-	-	243
425	5.00	1094.29	1.01	0.96	19.59	7.28	SN	LD	NOZ	7	LIME			182	SPSR06	

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.
426		1096.79	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	244
427	5.00	1099.29	1.02	0.96	19.49	7.28	SN	LD	NOZ	7	LIME						183	SPSR06	
428		1101.79	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	245
429	5.00	1104.29	1.02	0.96	19.40	7.28	SN	LD	NOZ	7	LIME						184	SPSR06	
430		1106.79	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	246
431	5.00	1109.29	1.03	1.09	19.31	7.27	SN	LD	NOZ	7.5	LIME/LAV						185	SPSR06	
432		1111.79	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	247
433	5.00	1114.29	1.03	1.09	19.24	7.27	SN	LD	NOZ	7.5	LIME/LAV						186	SPSR06	
434		1116.79	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	248
435	5.00	1119.29	1.04	1.09	19.17	7.27	SN	LD	NOZ	7.5	LIME/LAV						187	SPSR06	
436		1121.79	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	249
437	5.00	1124.29	1.04	1.09	19.11	7.27	SN	LD	NOZ	7.5	LIME/LAV						188	SPSR06	
438		1126.79	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	250
439	5.00	1129.29	1.05	1.09	19.05	7.27	SN	LD	NOZ	7.5	LIME/LAV						189	SPSR06	
440		1131.79	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	251
441	5.00	1134.29	1.05	1.09	19.01	7.27	SN	LD	NOZ	7.5	LIME/LAV						190	SPSR06	
442		1136.79	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	252
443	5.00	1139.29	1.05	1.09	18.97	7.27	SN	LD	NOZ	7.5	LIME/LAV						191	SPSR06	
444		1141.79	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	253
445	5.00	1144.29	1.06	1.09	18.94	7.27	SN	LD	NOZ	7.5	LIME/LAV						192	SPSR06	
446		1146.79	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	254
447	5.00	1149.29	1.06	1.09	18.92	7.27	SN	LD	NOZ	7.5	LIME/LAV						193	SPSR06	
448		1151.79	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	255
449	5.00	1154.29	1.06	1.09	18.91	7.27	SN	LD	NOZ	7.5	LIME/LAV						194	SPSR06	
450		1156.74	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	256
451	4.90	1159.19	1.06	1.09	18.90	7.27	SN	LD	NOZ	7.5	LIME/LAV						195	SPSR06	
452		1161.69	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	257
453	5.00	1164.19	1.08	1.09	18.90	7.27	SN	LD	NOZ	7.5	LIME/LAV						196	SPSR06	
454		1166.69	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	258
455	5.00	1169.19	1.08	1.09	18.91	7.27	SN	LD	NOZ	7.5	LIME/LAV						197	SPSR06	
456		1171.69	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	259
457	5.00	1174.19	1.09	1.09	18.93	7.27	SN	LD	NOZ	7.5	LIME/LAV						198	SPSR06	
458		1176.69	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	260
459	5.00	1179.19	1.09	1.09	18.96	7.27	SN	LD	NOZ	7.5	LIME/LAV						199	SPSR06	
460		1181.69	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	261
461	5.00	1184.19	1.10	1.09	18.99	7.27	SN	LD	NOZ	7.5	LIME/LAV						200	SPSR06	
462		1186.69	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	262
463	5.00	1189.19	1.10	1.09	19.03	7.27	SN	LD	NOZ	7.5	LIME/LAV						201	SPSR06	
464		1191.69	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	263
465	5.00	1194.19	1.11	1.09	19.08	7.27	SN	LD	NOZ	7.5	LIME/LAV						202	SPSR06	
466		1196.69	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	264
467	5.00	1199.19	1.11	1.09	19.14	7.27	SN	LD	NOZ	7.5	LIME/LAV						203	SPSR06	
468		1201.69	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	265
469	5.00	1204.19	1.11	1.09	19.20	7.27	SN	LD	NOZ	7.5	LIME/LAV						204	SPSR06	
470		1206.69	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	266
471	5.00	1209.19	1.12	1.09	19.27	7.27	SN	LD	NOZ	7.5	LIME/LAV						205	SPSR06	
472		1211.69	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	267
473	5.00	1214.19	1.12	1.09	19.35	7.27	SN	LD	NOZ	7.5	LIME/LAV						206	SPSR06	

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		1216.69	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	268			
475	5.00	1219.19	1.13	1.09	19.44	7.27	SN	LD	NOZ	7.5	LIME/LAV	- - - -	- - - -	- - - -	- - - -	269			
476		1221.69	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	270			
477	5.00	1224.19	1.13	1.09	19.54	7.27	SN	LD	NOZ	7.5	LIME/LAV	- - - -	- - - -	- - - -	- - - -	271			
478		1226.69	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	272			
479	5.00	1229.19	1.73	1.73	19.61	7.26	SN	LD	NOZ	9.5	GREY/TURQ	- - - -	- - - -	- - - -	- - - -	273			
480		1231.69	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	274			
481		1234.19	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	275			
TOWER 8	160.11	1236.70	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	276			
482		1236.90	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	277			
483	10.21	1239.40	1.74	1.73	19.60	7.26	SN	LD	NOZ	9.5	GREY/TURQ	- - - -	- - - -	- - - -	- - - -	278			
484		1241.90	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	279			
485	5.00	1244.40	1.15	1.09	19.58	7.27	SN	LD	NOZ	7.5	LIME/LAV	- - - -	- - - -	- - - -	- - - -	280			
486		1246.90	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	281			
487	5.00	1249.40	1.16	1.09	19.46	7.27	SN	LD	NOZ	7.5	LIME/LAV	- - - -	- - - -	- - - -	- - - -	282			
488		1251.90	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	283			
489	5.00	1254.40	1.16	1.23	19.36	7.27	SN	LD	NOZ	8	LAVENDER	- - - -	- - - -	- - - -	- - - -	284			
490		1256.90	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	285			
491	5.00	1259.40	1.17	1.23	19.26	7.27	SN	LD	NOZ	8	LAVENDER	- - - -	- - - -	- - - -	- - - -	286			
492		1261.90	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	287			
493	5.00	1264.40	1.17	1.23	19.17	7.27	SN	LD	NOZ	8	LAVENDER	- - - -	- - - -	- - - -	- - - -	288			
494		1266.90	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	289			
495	5.00	1269.40	1.18	1.23	19.08	7.27	SN	LD	NOZ	8	LAVENDER	- - - -	- - - -	- - - -	- - - -	290			
496		1271.90	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	291			
497	5.00	1274.40	1.18	1.23	19.01	7.27	SN	LD	NOZ	8	LAVENDER	- - - -	- - - -	- - - -	- - - -	292			
498		1276.90	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	293			
499	5.00	1279.40	1.18	1.23	18.94	7.27	SN	LD	NOZ	8	LAVENDER	- - - -	- - - -	- - - -	- - - -	294			
500		1281.90	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	295			
501	5.00	1284.40	1.19	1.23	18.88	7.27	SN	LD	NOZ	8	LAVENDER	- - - -	- - - -	- - - -	- - - -	296			
502		1286.90	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	297			
503	5.00	1289.40	1.19	1.23	18.83	7.27	SN	LD	NOZ	8	LAVENDER	- - - -	- - - -	- - - -	- - - -	298			
504		1291.90	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	299			
505	5.00	1294.40	1.20	1.23	18.78	7.27	SN	LD	NOZ	8	LAVENDER	- - - -	- - - -	- - - -	- - - -	300			
506		1296.90	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	301			
507	5.00	1299.40	1.20	1.23	18.75	7.27	SN	LD	NOZ	8	LAVENDER	- - - -	- - - -	- - - -	- - - -	302			
508		1301.90	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	303			
509	5.00	1304.40	1.21	1.23	18.72	7.27	SN	LD	NOZ	8	LAVENDER	- - - -	- - - -	- - - -	- - - -	304			
510		1306.90	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	305			
511	5.00	1309.40	1.21	1.23	18.70	7.27	SN	LD	NOZ	8	LAVENDER	- - - -	- - - -	- - - -	- - - -	306			
512		1311.90	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	307			
513	5.00	1314.40	1.20	1.23	18.69	7.27	SN	LD	NOZ	8	LAVENDER	- - - -	- - - -	- - - -	- - - -	308			
514		1316.85	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	309			
515	4.90	1319.30	1.21	1.23	18.68	7.27	SN	LD	NOZ	8	LAVENDER	- - - -	- - - -	- - - -	- - - -	310			
516		1321.80	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	311			
517	5.00	1324.30	1.23	1.23	18.68	7.27	SN	LD	NOZ	8	LAVENDER	- - - -	- - - -	- - - -	- - - -	312			
518		1326.80	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	313			
519	5.00	1329.30	1.23	1.23	18.69	7.27	SN	LD	NOZ	8	LAVENDER	- - - -	- - - -	- - - -	- - - -	314			
520		1331.80	- - - -	- - -	- - -	- - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	315			

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.
521	5.00	1334.30	1.23	1.23	18.71	7.27	SN	LD	NOZ	8	LAVENDER		229	SPSR06	
522		1336.80	-	-	-	-	-	-	-	-	-	-	-	-	293
523	5.00	1339.30	1.24	1.23	18.74	7.27	SN	LD	NOZ	8	LAVENDER		230	SPSR06	
524		1341.80	-	-	-	-	-	-	-	-	-	-	-	-	294
525	5.00	1344.30	1.24	1.23	18.77	7.27	SN	LD	NOZ	8	LAVENDER		231	SPSR06	
526		1346.80	-	-	-	-	-	-	-	-	-	-	-	-	295
527	5.00	1349.30	1.25	1.23	18.82	7.27	SN	LD	NOZ	8	LAVENDER		232	SPSR06	
528		1351.80	-	-	-	-	-	-	-	-	-	-	-	-	296
529	5.00	1354.30	1.25	1.23	18.87	7.27	SN	LD	NOZ	8	LAVENDER		233	SPSR06	
530		1356.80	-	-	-	-	-	-	-	-	-	-	-	-	297
531	5.00	1359.30	1.26	1.23	18.92	7.27	SN	LD	NOZ	8	LAVENDER		234	SPSR06	
532		1361.80	-	-	-	-	-	-	-	-	-	-	-	-	298
533	5.00	1364.30	1.26	1.23	18.99	7.27	SN	LD	NOZ	8	LAVENDER		235	SPSR06	
534		1366.80	-	-	-	-	-	-	-	-	-	-	-	-	299
535	5.00	1369.30	1.27	1.23	19.06	7.27	SN	LD	NOZ	8	LAVENDER		236	SPSR06	
536		1371.80	-	-	-	-	-	-	-	-	-	-	-	-	300
537	5.00	1374.30	1.27	1.23	19.14	7.27	SN	LD	NOZ	8	LAVENDER		237	SPSR06	
538		1376.80	-	-	-	-	-	-	-	-	-	-	-	-	301
539	5.00	1379.30	1.28	1.23	19.23	7.27	SN	LD	NOZ	8	LAVENDER		238	SPSR06	
540		1381.80	-	-	-	-	-	-	-	-	-	-	-	-	302
541	5.00	1384.30	1.28	1.23	19.33	7.27	SN	LD	NOZ	8	LAVENDER		239	SPSR06	
542		1386.80	-	-	-	-	-	-	-	-	-	-	-	-	303
543	5.00	1389.30	1.96	1.91	19.40	7.25	SN	LD	NOZ	10	TURQUOISE		240	SPSR06	
544		1391.80	-	-	-	-	-	-	-	-	-	-	-	-	304
545		1394.30	-	-	-	-	-	-	-	-	-	-	-	-	305
TOWER 9	160.11	1396.81													
546		1397.01	-	-	-	-	-	-	-	-	-	-	-	-	306
547	10.21	1399.51	1.97	1.91	19.39	7.25	SN	LD	NOZ	10	TURQUOISE		241	SPSR06	
548		1402.01	-	-	-	-	-	-	-	-	-	-	-	-	307
549	5.00	1404.51	1.30	1.23	19.38	7.27	SN	LD	NOZ	8	LAVENDER		242	SPSR06	
550		1407.01	-	-	-	-	-	-	-	-	-	-	-	-	308
551	5.00	1409.51	1.31	1.23	19.26	7.27	SN	LD	NOZ	8	LAVENDER		243	SPSR06	
552		1412.01	-	-	-	-	-	-	-	-	-	-	-	-	309
553	5.00	1414.51	1.31	1.23	19.16	7.27	SN	LD	NOZ	8	LAVENDER		244	SPSR06	
554		1417.01	-	-	-	-	-	-	-	-	-	-	-	-	310
555	5.00	1419.51	1.31	1.23	19.06	7.27	SN	LD	NOZ	8	LAVENDER		245	SPSR06	
556		1422.01	-	-	-	-	-	-	-	-	-	-	-	-	311
557	5.00	1424.51	1.32	1.23	18.97	7.27	SN	LD	NOZ	8	LAVENDER		246	SPSR06	
558		1427.01	-	-	-	-	-	-	-	-	-	-	-	-	312
559	5.00	1429.51	1.32	1.23	18.88	7.27	SN	LD	NOZ	8	LAVENDER		247	SPSR06	
560		1432.01	-	-	-	-	-	-	-	-	-	-	-	-	313
561	5.00	1434.51	1.33	1.42	18.81	7.26	SN	LD	NOZ	8.5	LAV/GREY		248	SPSR06	
562		1437.01	-	-	-	-	-	-	-	-	-	-	-	-	314
563	5.00	1439.51	1.33	1.42	18.74	7.26	SN	LD	NOZ	8.5	LAV/GREY		249	SPSR06	
564		1442.01	-	-	-	-	-	-	-	-	-	-	-	-	315
565	5.00	1444.51	1.34	1.42	18.68	7.26	SN	LD	NOZ	8.5	LAV/GREY		250	SPSR06	
566		1447.01	-	-	-	-	-	-	-	-	-	-	-	-	316
567	5.00	1449.51	1.34	1.42	18.63	7.26	SN	LD	NOZ	8.5	LAV/GREY		251	SPSR06	



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.
615	5.00	1569.62	1.45	1.42	19.09	7.26	SN	LD	NOZ	8.5	LAV/GREY	274	SPSR06	342
616		1572.12	-	-	-	-	-	-	-	-	-	-	-	
617	5.00	1574.62	1.46	1.42	18.99	7.26	SN	LD	NOZ	8.5	LAV/GREY	275	SPSR06	343
618		1577.12	-	-	-	-	-	-	-	-	-	-	-	
619	5.00	1579.62	1.46	1.42	18.89	7.26	SN	LD	NOZ	8.5	LAV/GREY	276	SPSR06	344
620		1582.12	-	-	-	-	-	-	-	-	-	-	-	
621	5.00	1584.62	1.47	1.42	18.80	7.26	SN	LD	NOZ	8.5	LAV/GREY	277	SPSR06	345
622		1587.12	-	-	-	-	-	-	-	-	-	-	-	
623	5.00	1589.62	1.47	1.42	18.72	7.26	SN	LD	NOZ	8.5	LAV/GREY	278	SPSR06	346
624		1592.12	-	-	-	-	-	-	-	-	-	-	-	
625	5.00	1594.62	1.48	1.42	18.65	7.26	SN	LD	NOZ	8.5	LAV/GREY	279	SPSR06	347
626		1597.12	-	-	-	-	-	-	-	-	-	-	-	
627	5.00	1599.62	1.48	1.42	18.58	7.26	SN	LD	NOZ	8.5	LAV/GREY	280	SPSR06	348
628		1602.12	-	-	-	-	-	-	-	-	-	-	-	
629	5.00	1604.62	1.48	1.42	18.52	7.26	SN	LD	NOZ	8.5	LAV/GREY	281	SPSR06	349
630		1607.12	-	-	-	-	-	-	-	-	-	-	-	
631	5.00	1609.62	1.49	1.55	18.47	7.26	SN	LD	NOZ	9	GREY	282	SPSR06	350
632		1612.12	-	-	-	-	-	-	-	-	-	-	-	
633	5.00	1614.62	1.49	1.55	18.43	7.26	SN	LD	NOZ	9	GREY	283	SPSR06	351
634		1617.12	-	-	-	-	-	-	-	-	-	-	-	
635	5.00	1619.62	1.50	1.55	18.40	7.26	SN	LD	NOZ	9	GREY	284	SPSR06	352
636		1622.12	-	-	-	-	-	-	-	-	-	-	-	
637	5.00	1624.62	1.50	1.55	18.37	7.26	SN	LD	NOZ	9	GREY	285	SPSR06	353
638		1627.12	-	-	-	-	-	-	-	-	-	-	-	
639	5.00	1629.62	1.51	1.55	18.35	7.26	SN	LD	NOZ	9	GREY	286	SPSR06	354
640		1632.12	-	-	-	-	-	-	-	-	-	-	-	
641	5.00	1634.62	1.50	1.55	18.34	7.26	SN	LD	NOZ	9	GREY	287	SPSR06	355
642		1637.07	-	-	-	-	-	-	-	-	-	-	-	
643	4.90	1639.52	1.50	1.55	18.34	7.26	SN	LD	NOZ	9	GREY	288	SPSR06	356
644		1642.02	-	-	-	-	-	-	-	-	-	-	-	
645	5.00	1644.52	1.52	1.55	18.34	7.26	SN	LD	NOZ	9	GREY	289	SPSR06	357
646		1647.02	-	-	-	-	-	-	-	-	-	-	-	
647	5.00	1649.52	1.52	1.55	18.36	7.26	SN	LD	NOZ	9	GREY	290	SPSR06	358
648		1652.02	-	-	-	-	-	-	-	-	-	-	-	
649	5.00	1654.52	1.53	1.55	18.38	7.26	SN	LD	NOZ	9	GREY	291	SPSR06	359
650		1657.02	-	-	-	-	-	-	-	-	-	-	-	
651	5.00	1659.52	1.53	1.55	18.40	7.26	SN	LD	NOZ	9	GREY	292	SPSR06	360
652		1662.02	-	-	-	-	-	-	-	-	-	-	-	
653	5.00	1664.52	1.54	1.55	18.44	7.26	SN	LD	NOZ	9	GREY	293	SPSR06	361
654		1667.02	-	-	-	-	-	-	-	-	-	-	-	
655	5.00	1669.52	1.54	1.55	18.49	7.26	SN	LD	NOZ	9	GREY	294	SPSR06	362
656		1672.02	-	-	-	-	-	-	-	-	-	-	-	
657	5.00	1674.52	1.55	1.55	18.54	7.26	SN	LD	NOZ	9	GREY	295	SPSR06	363
658		1677.02	-	-	-	-	-	-	-	-	-	-	-	
659	5.00	1679.52	1.55	1.55	18.60	7.26	SN	LD	NOZ	9	GREY	296	SPSR06	364
660		1682.02	-	-	-	-	-	-	-	-	-	-	-	
661	5.00	1684.52	1.56	1.55	18.66	7.26	SN	LD	NOZ	9	GREY	297	SPSR06	365
662		1687.02	-	-	-	-	-	-	-	-	-	-	-	

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.
663	5.00	1689.52	1.56	1.55	18.74	7.26	SN	LD	NOZ	9	GREY			298	SPSR06	
664		1692.02	-	-	-	-	-	-	-	-	-	-	-	-	-	366
665	5.00	1694.52	1.57	1.55	18.82	7.26	SN	LD	NOZ	9	GREY			299	SPSR06	
666		1697.02	-	-	-	-	-	-	-	-	-	-	-	-	-	367
667	5.00	1699.52	1.57	1.55	18.91	7.26	SN	LD	NOZ	9	GREY			300	SPSR06	
668		1702.02	-	-	-	-	-	-	-	-	-	-	-	-	-	368
669	5.00	1704.52	1.58	1.55	19.01	7.26	SN	LD	NOZ	9	GREY			301	SPSR06	
670		1707.02	-	-	-	-	-	-	-	-	-	-	-	-	-	369
671	5.00	1709.52	2.41	2.47	19.09	7.22	SN	LD	NOZ	11.5	YEL/RED			302	SPSR06	
672		1712.02	-	-	-	-	-	-	-	-	-	-	-	-	-	370
673		1714.52	-	-	-	-	-	-	-	-	-	-	-	-	-	371
TOWER 11	160.11	1717.03														
674		1717.23	-	-	-	-	-	-	-	-	-	-	-	-	-	372
675	10.21	1719.73	2.42	2.47	19.08	7.22	SN	LD	NOZ	11.5	YEL/RED			303	SPSR06	
676		1722.23	-	-	-	-	-	-	-	-	-	-	-	-	-	373
677	5.00	1724.73	1.59	1.55	19.07	7.26	SN	LD	NOZ	9	GREY			304	SPSR06	
678		1727.23	-	-	-	-	-	-	-	-	-	-	-	-	-	374
679	5.00	1729.73	1.60	1.55	18.96	7.26	SN	LD	NOZ	9	GREY			305	SPSR06	
680		1732.23	-	-	-	-	-	-	-	-	-	-	-	-	-	375
681	5.00	1734.73	1.60	1.55	18.85	7.26	SN	LD	NOZ	9	GREY			306	SPSR06	
682		1737.23	-	-	-	-	-	-	-	-	-	-	-	-	-	376
683	5.00	1739.73	1.61	1.55	18.76	7.26	SN	LD	NOZ	9	GREY			307	SPSR06	
684		1742.23	-	-	-	-	-	-	-	-	-	-	-	-	-	377
685	5.00	1744.73	1.61	1.55	18.67	7.26	SN	LD	NOZ	9	GREY			308	SPSR06	
686		1747.23	-	-	-	-	-	-	-	-	-	-	-	-	-	378
687	5.00	1749.73	1.62	1.55	18.59	7.26	SN	LD	NOZ	9	GREY			309	SPSR06	
688		1752.23	-	-	-	-	-	-	-	-	-	-	-	-	-	379
689	5.00	1754.73	1.62	1.55	18.52	7.26	SN	LD	NOZ	9	GREY			310	SPSR06	
690		1757.23	-	-	-	-	-	-	-	-	-	-	-	-	-	380
691	5.00	1759.73	1.63	1.55	18.45	7.26	SN	LD	NOZ	9	GREY			311	SPSR06	
692		1762.23	-	-	-	-	-	-	-	-	-	-	-	-	-	381
693	5.00	1764.73	1.63	1.55	18.39	7.26	SN	LD	NOZ	9	GREY			312	SPSR06	
694		1767.23	-	-	-	-	-	-	-	-	-	-	-	-	-	382
695	5.00	1769.73	1.64	1.55	18.35	7.26	SN	LD	NOZ	9	GREY			313	SPSR06	
696		1772.23	-	-	-	-	-	-	-	-	-	-	-	-	-	383
697	5.00	1774.73	1.64	1.73	18.30	7.26	SN	LD	NOZ	9.5	GREY/TURQ			314	SPSR06	
698		1777.23	-	-	-	-	-	-	-	-	-	-	-	-	-	384
699	5.00	1779.73	1.65	1.73	18.27	7.26	SN	LD	NOZ	9.5	GREY/TURQ			315	SPSR06	
700		1782.23	-	-	-	-	-	-	-	-	-	-	-	-	-	385
701	5.00	1784.73	1.65	1.73	18.25	7.26	SN	LD	NOZ	9.5	GREY/TURQ			316	SPSR06	
702		1787.23	-	-	-	-	-	-	-	-	-	-	-	-	-	386
703	5.00	1789.73	1.66	1.73	18.23	7.26	SN	LD	NOZ	9.5	GREY/TURQ			317	SPSR06	
704		1792.23	-	-	-	-	-	-	-	-	-	-	-	-	-	387
705	5.00	1794.73	1.64	1.73	18.22	7.26	SN	LD	NOZ	9.5	GREY/TURQ			318	SPSR06	
706		1797.18	-	-	-	-	-	-	-	-	-	-	-	-	-	388
707	4.90	1799.63	1.65	1.73	18.22	7.26	SN	LD	NOZ	9.5	GREY/TURQ			319	SPSR06	
708		1802.13	-	-	-	-	-	-	-	-	-	-	-	-	-	389
709	5.00	1804.63	1.67	1.73	18.22	7.26	SN	LD	NOZ	9.5	GREY/TURQ			320	SPSR06	



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.
757	5.00	1924.84	1.78	1.73	18.30	7.26	SN	LD	NOZ	9.5	GREY/TURQ	343	SPSR06	415
758		1927.34	-	-	-	-	-	-	-	-	-	-	-	
759	5.00	1929.84	1.78	1.73	18.25	7.26	SN	LD	NOZ	9.5	GREY/TURQ	344	SPSR06	416
760		1932.34	-	-	-	-	-	-	-	-	-	-	-	
761	5.00	1934.84	1.79	1.73	18.21	7.26	SN	LD	NOZ	9.5	GREY/TURQ	345	SPSR06	417
762		1937.34	-	-	-	-	-	-	-	-	-	-	-	
763	5.00	1939.84	1.79	1.73	18.18	7.26	SN	LD	NOZ	9.5	GREY/TURQ	346	SPSR06	418
764		1942.34	-	-	-	-	-	-	-	-	-	-	-	
765	5.00	1944.84	1.80	1.73	18.15	7.26	SN	LD	NOZ	9.5	GREY/TURQ	347	SPSR06	419
766		1947.34	-	-	-	-	-	-	-	-	-	-	-	
767	5.00	1949.84	1.80	1.73	18.14	7.26	SN	LD	NOZ	9.5	GREY/TURQ	348	SPSR06	420
768		1952.34	-	-	-	-	-	-	-	-	-	-	-	
769	5.00	1954.84	1.79	1.73	18.13	7.26	SN	LD	NOZ	9.5	GREY/TURQ	349	SPSR06	421
770		1957.29	-	-	-	-	-	-	-	-	-	-	-	
771	4.90	1959.74	1.80	1.73	18.13	7.26	SN	LD	NOZ	9.5	GREY/TURQ	350	SPSR06	422
772		1962.24	-	-	-	-	-	-	-	-	-	-	-	
773	5.00	1964.74	1.82	1.73	18.14	7.26	SN	LD	NOZ	9.5	GREY/TURQ	351	SPSR06	423
774		1967.24	-	-	-	-	-	-	-	-	-	-	-	
775	5.00	1969.74	1.82	1.91	18.15	7.25	SN	LD	NOZ	10	TURQUOISE	352	SPSR06	424
776		1972.24	-	-	-	-	-	-	-	-	-	-	-	
777	5.00	1974.74	1.83	1.91	18.17	7.25	SN	LD	NOZ	10	TURQUOISE	353	SPSR06	425
778		1977.24	-	-	-	-	-	-	-	-	-	-	-	
779	5.00	1979.74	1.83	1.91	18.20	7.25	SN	LD	NOZ	10	TURQUOISE	354	SPSR06	426
780		1982.24	-	-	-	-	-	-	-	-	-	-	-	
781	5.00	1984.74	1.84	1.91	18.24	7.25	SN	LD	NOZ	10	TURQUOISE	355	SPSR06	427
782		1987.24	-	-	-	-	-	-	-	-	-	-	-	
783	5.00	1989.74	1.84	1.91	18.29	7.25	SN	LD	NOZ	10	TURQUOISE	356	SPSR06	428
784		1992.24	-	-	-	-	-	-	-	-	-	-	-	
785	5.00	1994.74	1.84	1.91	18.34	7.25	SN	LD	NOZ	10	TURQUOISE	357	SPSR06	429
786		1997.24	-	-	-	-	-	-	-	-	-	-	-	
787	5.00	1999.74	1.85	1.91	18.40	7.25	SN	LD	NOZ	10	TURQUOISE	358	SPSR06	430
788		2002.24	-	-	-	-	-	-	-	-	-	-	-	
789	5.00	2004.74	1.85	1.91	18.47	7.25	SN	LD	NOZ	10	TURQUOISE	359	SPSR06	431
790		2007.24	-	-	-	-	-	-	-	-	-	-	-	
791	5.00	2009.74	1.86	1.91	18.55	7.25	SN	LD	NOZ	10	TURQUOISE	360	SPSR06	432
792		2012.24	-	-	-	-	-	-	-	-	-	-	-	
793	5.00	2014.74	1.86	1.91	18.64	7.25	SN	LD	NOZ	10	TURQUOISE	361	SPSR06	433
794		2017.24	-	-	-	-	-	-	-	-	-	-	-	
795	5.00	2019.74	1.86	1.91	18.73	7.25	SN	LD	NOZ	10	TURQUOISE	362	SPSR06	434
796		2022.24	-	-	-	-	-	-	-	-	-	-	-	
797	5.00	2024.74	1.87	1.91	18.83	7.25	SN	LD	NOZ	10	TURQUOISE	363	SPSR06	435
798		2027.24	-	-	-	-	-	-	-	-	-	-	-	
799	5.00	2029.74	2.85	2.96	18.91	7.19	SN	LD	NOZ	12.5	RED/WHITE	364	SPSR06	436
800		2032.24	-	-	-	-	-	-	-	-	-	-	-	
801		2034.74	-	-	-	-	-	-	-	-	-	-	-	437
TOWER 13	160.11	2037.25												438
802		2037.45	-	-	-	-	-	-	-	-	-	-	-	
803	10.21	2039.95	2.86	2.96	18.91	7.19	SN	LD	NOZ	12.5	RED/WHITE	365	SPSR06	

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.
804	5.00	2042.45	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	439
805		2044.95	1.89	1.91	18.89	7.25	SN	LD	NOZ	10	TURQUOISE	366	SPSR06	
806		2047.45	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	440
807	5.00	2049.95	1.89	1.91	18.78	7.25	SN	LD	NOZ	10	TURQUOISE	367	SPSR06	
808		2052.45	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	441
809		2054.95	1.89	1.91	18.68	7.25	SN	LD	NOZ	10	TURQUOISE	368	SPSR06	
810	5.00	2057.45	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	442
811		2059.95	1.90	1.91	18.59	7.25	SN	LD	NOZ	10	TURQUOISE	369	SPSR06	
812		2062.45	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	443
813	5.00	2064.95	1.90	1.91	18.50	7.25	SN	LD	NOZ	10	TURQUOISE	370	SPSR06	
814		2067.45	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	444
815		2069.95	1.91	1.91	18.42	7.25	SN	LD	NOZ	10	TURQUOISE	371	SPSR06	
816	5.00	2072.45	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	445
817		2074.95	1.91	1.91	18.35	7.25	SN	LD	NOZ	10	TURQUOISE	372	SPSR06	
818		2077.45	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	446
819	5.00	2079.95	1.92	1.91	18.29	7.25	SN	LD	NOZ	10	TURQUOISE	373	SPSR06	
820		2082.45	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	447
821		2084.95	1.92	1.91	18.23	7.25	SN	LD	NOZ	10	TURQUOISE	374	SPSR06	
822	5.00	2087.45	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	448
823		2089.95	1.93	1.91	18.19	7.25	SN	LD	NOZ	10	TURQUOISE	375	SPSR06	
824		2092.45	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	449
825	5.00	2094.95	1.93	1.91	18.15	7.25	SN	LD	NOZ	10	TURQUOISE	376	SPSR06	
826		2097.45	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	450
827		2099.95	1.94	1.91	18.12	7.25	SN	LD	NOZ	10	TURQUOISE	377	SPSR06	
828	5.00	2102.45	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	451
829		2104.95	1.94	1.91	18.09	7.25	SN	LD	NOZ	10	TURQUOISE	378	SPSR06	
830		2107.45	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	452
831	5.00	2109.95	1.95	1.91	18.08	7.25	SN	LD	NOZ	10	TURQUOISE	379	SPSR06	
832		2112.45	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	453
833		2114.95	1.93	1.91	18.07	7.25	SN	LD	NOZ	10	TURQUOISE	380	SPSR06	
834	4.90	2117.40	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	454
835		2119.85	1.94	1.91	18.07	7.25	SN	LD	NOZ	10	TURQUOISE	381	SPSR06	
836		2122.35	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	455
837	5.00	2124.85	1.96	1.91	18.08	7.25	SN	LD	NOZ	10	TURQUOISE	382	SPSR06	
838		2127.35	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	456
839		2129.85	1.97	1.91	18.09	7.25	SN	LD	NOZ	10	TURQUOISE	383	SPSR06	
840	5.00	2132.35	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	457
841		2134.85	1.97	1.91	18.12	7.25	SN	LD	NOZ	10	TURQUOISE	384	SPSR06	
842		2137.35	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	458
843	5.00	2139.85	1.98	1.91	18.15	7.25	SN	LD	NOZ	10	TURQUOISE	385	SPSR06	
844		2142.35	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	459
845		2144.85	1.98	1.91	18.19	7.25	SN	LD	NOZ	10	TURQUOISE	386	SPSR06	
846	5.00	2147.35	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	460
847		2149.85	1.99	1.91	18.23	7.25	SN	LD	NOZ	10	TURQUOISE	387	SPSR06	
848		2152.35	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	461
849	5.00	2154.85	1.99	2.07	18.29	7.25	SN	LD	NOZ	10.5	TURQ/YEL	388	SPSR06	
850		2157.35	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	462
851		2159.85	2.00	2.07	18.35	7.25	SN	LD	NOZ	10.5	TURQ/YEL	389	SPSR06	

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.
852		2162.35	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	463
853	5.00	2164.85	2.00	2.07	18.42	7.25	SN	LD	NOZ	10.5	TURQ/YEL	390	SPSR06	
854		2167.35	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	464
855	5.00	2169.85	2.00	2.07	18.50	7.25	SN	LD	NOZ	10.5	TURQ/YEL	391	SPSR06	
856		2172.35	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	465
857	5.00	2174.85	2.01	2.07	18.59	7.25	SN	LD	NOZ	10.5	TURQ/YEL	392	SPSR06	
858		2177.35	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	466
859	5.00	2179.85	2.01	2.07	18.68	7.25	SN	LD	NOZ	10.5	TURQ/YEL	393	SPSR06	
860		2182.35	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	467
861	5.00	2184.85	2.01	2.07	18.78	7.25	SN	LD	NOZ	10.5	TURQ/YEL	394	SPSR06	
862		2187.35	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	468
863	5.00	2189.85	3.07	2.96	18.86	7.19	SN	LD	NOZ	12.5	RED/WHITE	395	SPSR06	
864		2192.35	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	469
865		2194.85	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	470
TOWER 14	160.11	2197.36												
PIPE ID CHANGES FROM 8.415 TO 6.415														
866		2197.56	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	471
867	10.21	2200.06	3.09	3.19	18.85	7.17	SN	LD	NOZ	13	WHITE	396	SPSR06	
868		2202.56	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	472
869	5.00	2205.06	2.03	2.07	18.82	7.25	SN	LD	NOZ	10.5	TURQ/YEL	397	SPSR06	
870		2207.56	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	473
871	5.00	2210.06	2.04	2.07	18.71	7.25	SN	LD	NOZ	10.5	TURQ/YEL	398	SPSR06	
872		2212.56	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	474
873	5.00	2215.06	2.04	2.07	18.62	7.25	SN	LD	NOZ	10.5	TURQ/YEL	399	SPSR06	
874		2217.56	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	475
875	5.00	2220.06	2.05	2.07	18.53	7.25	SN	LD	NOZ	10.5	TURQ/YEL	400	SPSR06	
876		2222.56	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	476
877	5.00	2225.06	2.05	2.07	18.46	7.25	SN	LD	NOZ	10.5	TURQ/YEL	401	SPSR06	
878		2227.56	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	477
879	5.00	2230.06	2.05	2.07	18.39	7.25	SN	LD	NOZ	10.5	TURQ/YEL	402	SPSR06	
880		2232.56	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	478
881	5.00	2235.06	2.06	2.07	18.33	7.25	SN	LD	NOZ	10.5	TURQ/YEL	403	SPSR06	
882		2237.56	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	479
883	5.00	2240.06	2.06	2.07	18.28	7.25	SN	LD	NOZ	10.5	TURQ/YEL	404	SPSR06	
884		2242.56	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	480
885	5.00	2245.06	2.07	2.07	18.24	7.25	SN	LD	NOZ	10.5	TURQ/YEL	405	SPSR06	
886		2247.56	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	481
887	5.00	2250.06	2.07	2.07	18.21	7.25	SN	LD	NOZ	10.5	TURQ/YEL	406	SPSR06	
888		2252.56	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	482
889	5.00	2255.06	2.08	2.07	18.18	7.25	SN	LD	NOZ	10.5	TURQ/YEL	407	SPSR06	
890		2257.56	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	483
891	5.00	2260.06	2.09	2.07	18.17	7.25	SN	LD	NOZ	10.5	TURQ/YEL	408	SPSR06	
892		2262.59	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	484
893	5.06	2265.12	2.10	2.07	18.16	7.25	SN	LD	NOZ	10.5	TURQ/YEL	409	SPSR06	
894		2267.62	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	485
895	5.00	2270.12	2.09	2.07	18.16	7.25	SN	LD	NOZ	10.5	TURQ/YEL	410	SPSR06	
896		2272.62	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	486
897	5.00	2275.12	2.10	2.07	18.18	7.25	SN	LD	NOZ	10.5	TURQ/YEL	411	SPSR06	





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.
992		2512.73	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	536
993	9.93	2515.23	3.46	3.44	18.73	7.16	SN	LD	NOZ	13.5	WHITE/BLUE	457	SPSR06	
994		2517.73	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	537
995	5.00	2520.23	2.33	2.25	18.69	7.23	SN	LD	NOZ	11	YELLOW	458	SPSR06	
996		2522.73	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	538
997	5.00	2525.23	2.34	2.25	18.65	7.23	SN	LD	NOZ	11	YELLOW	459	SPSR06	
998		2527.73	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	539
999	5.00	2530.23	2.35	2.25	18.61	7.23	SN	LD	NOZ	11	YELLOW	460	SPSR06	
1000		2532.73	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	540
1001	5.00	2535.23	2.37	2.47	18.57	7.22	SN	LD	NOZ	11.5	YEL/RED	461	SPSR06	
1002		2537.73	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	541
1003	5.00	2540.23	2.36	2.25	18.53	7.23	SN	LD	NOZ	11	YELLOW	462	SPSR06	
1004		2542.73	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	542
1005	5.00	2545.23	2.38	2.47	18.49	7.22	SN	LD	NOZ	11.5	YEL/RED	463	SPSR06	
1006		2547.73	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	543
PIPE ID CHANGES FROM 6.415 TO 3.790														
1007	5.00	2550.23	2.37	2.47	18.45	7.22	SN	LD	NOZ	11.5	YEL/RED	464	SPSR06	
1008		2552.73	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	544
1009	5.00	2555.23	2.35	2.25	18.41	7.23	SN	LD	NOZ	11	YELLOW	465	SPSR06	
1010		2557.73	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	545
1011	5.00	2560.23	2.38	2.47	18.37	7.22	SN	LD	NOZ	11.5	YEL/RED	466	SPSR06	
1012		2562.73	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	546
1013	5.00	2565.23	2.35	2.25	18.33	7.23	SN	LD	NOZ	11	YELLOW	467	SPSR06	
1014		2567.73	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	547
1015	5.00	2570.23	2.42	2.47	18.29	7.22	SN	LD	NOZ	11.5	YEL/RED	468	SPSR06	
1016		2572.73	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	548
1017	5.00	2575.23	2.49	2.47	18.25	7.22	SN	LD	NOZ	11.5	YEL/RED	469	SPSR06	
DRAIN-SANDTRAP			4.46	4.17			F SPRAY 12 RED							
OVERHANG	64.00	2576.53												

TOTAL GPM = 625.39

GPA = 1.30

MINIMUM RECOMMENDED REGULATOR INLET PRESSURE IS 11.00 PSI

WITH GRADUATED ELEVATION OF 26.00 FT THE INLET PRESSURE IS 11.82 PSI FOR SPRINKLER 469

THIS POSITION IS THE CLOSEST TO THE MINIMUM RECOMMENDED INLET PRESSURE

**HYDRAULICS SUMMARY**

TOWER NUMBER	ACRES UNDER SPAN	GPM NEED	ACTUAL GPM	PERCENT DEVIATION	GPM PER ACRE	AVERAGE IN. PER HR DELIVERED UNDER SPAN	AVERAGE IN. DELIVERED FOR REVOLUTION TIME		
							36 HR	48 HR	60 HR
1	.97	1.26	4.57	264%	4.71	0.010	0.38	0.50	0.63
2	4.53	5.87	7.96	36%	1.76	0.004	0.14	0.19	0.23
3	8.22	10.66	10.52	-1%	1.28	0.003	0.10	0.14	0.17
4	11.92	15.45	15.55	1%	1.30	0.003	0.10	0.14	0.17

5	15.62	20.24	20.11	-1%	1.29	0.003	0.10	0.14	0.17
6	19.32	25.04	24.73	-1%	1.28	0.003	0.10	0.14	0.17
7	23.01	29.83	29.59	-1%	1.29	0.003	0.10	0.14	0.17
8	26.71	34.62	34.27	-1%	1.28	0.003	0.10	0.14	0.17
9	30.41	39.41	39.15	-1%	1.29	0.003	0.10	0.14	0.17
10	34.11	44.21	44.29	0%	1.30	0.003	0.10	0.14	0.17
11	37.81	49.00	48.57	-1%	1.28	0.003	0.10	0.14	0.17
12	41.50	53.79	53.52	-1%	1.29	0.003	0.10	0.14	0.17
13	45.20	58.58	58.01	-1%	1.28	0.003	0.10	0.14	0.17
14	48.90	63.38	62.55	-1%	1.28	0.003	0.10	0.14	0.17
15	44.19	57.27	55.94	-2%	1.27	0.003	0.10	0.13	0.17
16	62.87	81.48	80.95	-1%	1.29	0.003	0.10	0.14	0.17
OVERHANG	23.49	30.45	30.97	2%	1.32	0.003	0.10	0.14	0.17
TOTAL	478.78	620.54	621.22		1.30				

**SUMMARY OF SPRINKLERS**

34 SN LD NOZ 4 LT BLUE  
13 SN LD NOZ 4.5 LT BL/BEIGE  
32 SN LD NOZ 5 BEIGE  
24 SN LD NOZ 5.5 BEIGE/GOLD  
23 SN LD NOZ 6 GOLD  
26 SN LD NOZ 6.5 GOLD/LIME  
26 SN LD NOZ 7 LIME  
28 SN LD NOZ 7.5 LIME/LAV  
35 SN LD NOZ 8 LAVENDER  
32 SN LD NOZ 8.5 LAV/GREY  
32 SN LD NOZ 9 GREY  
38 SN LD NOZ 9.5 GREY/TURQ  
36 SN LD NOZ 10 TURQUOISE  
31 SN LD NOZ 10.5 TURQ/YEL  
41 SN LD NOZ 11 YELLOW  
8 SN LD NOZ 11.5 YEL/RED  
2 SN LD NOZ 12 RED  
3 SN LD NOZ 12.5 RED/WHITE  
3 SN LD NOZ 13 WHITE  
2 SN LD NOZ 13.5 WHITE/BLUE

**548 PLUGS****SUMMARY OF REGULATORS**

54 Senn FPSR2 10 psi  
74 Senn FPSR2 6 psi  
341 Senn PSR 6 psi

**TOTAL OF 469 REGULATORS**

## NOZZLE POSITION CHART

SN LD NOZ 4 LT BLUE	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 35, 36
SN LD NOZ 4.5 LT BL/BEIGE	33, 34, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47
SN LD NOZ 5 BEIGE	48, 49, 50, 51, 52, 53, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81
SN LD NOZ 5.5 BEIGE/GOLD	54, 55, 82, 83, 84, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105
SN LD NOZ 6 GOLD	106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130
SN LD NOZ 6.5 GOLD/LIME	85, 86, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 149, 150, 151, 152, 153, 154, 155, 156
SN LD NOZ 7 LIME	157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 180, 181, 182, 183, 184
SN LD NOZ 7.5 LIME/LAV	116, 117, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 211, 212
SN LD NOZ 8 LAVENDER	147, 148, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 242, 243, 244, 245, 246, 247
SN LD NOZ 8.5 LAV/GREY	248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 273, 274, 275, 276, 277, 278, 279, 280, 281
SN LD NOZ 9 GREY	178, 179, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313
SN LD NOZ 9.5 GREY/TURQ	209, 210, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351
SN LD NOZ 10 TURQUOISE	240, 241, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387
SN LD NOZ 10.5 TURQ/YEL	388, 389, 390, 391, 392, 393, 394, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420
SN LD NOZ 11 YELLOW	271, 272, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 458, 459, 460, 462, 465, 467
SN LD NOZ 11.5 YEL/RED	302, 303, 461, 463, 464, 466, 468, 469
SN LD NOZ 12 RED	333, 334
SN LD NOZ 12.5 RED/WHITE	364, 365, 395
SN LD NOZ 13 WHITE	396, 421, 422
SN LD NOZ 13.5 WHITE/BLUE	456, 457

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125 N. FRONTAGE ROAD  
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625 GPM @ 22 PSI

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Rotation time at 100% = 28.02 Hours Or 1681 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 PLUG				27	PLUG PLUG				22	PLUG PLUG				17	PLUG PLUG					12	91	5.5	FPSR06			
2					28					23					18					13	PLUG				92	5.5	FPSR06
3					29					24					19					14							
4		1	4	FPSR10	30		22	4	FPSR10	25		41	4.5	FPSR10	20		63	5	FPSR06	15							
5		2	4	FPSR10	31	PLUG				26	PLUG				21	PLUG	64	5	FPSR06	16							
6	PLUG	3	4	FPSR10	32		23	4	FPSR10	27	PLUG		42	4.5	FPSR10	22	PLUG	65	5	FPSR06	17	PLUG	93	5.5	FPSR06		
7					33	PLUG				28	PLUG				23	PLUG	66	5	FPSR06	18							
8					34	PLUG				29		43	4.5	FPSR10	24	PLUG	67	5	FPSR06	19	PLUG	94	5.5	FPSR06			
9	PLUG PLUG				35		24	4	FPSR10	30	PLUG				25	PLUG	68	5	FPSR06	20							
10					36	PLUG				31	PLUG		44	4.5	FPSR10	26	PLUG	69	5	FPSR06	21	PLUG	95	5.5	FPSR06		
11					37	PLUG				32						27	PLUG	70	5	FPSR06	22						
12	PLUG PLUG				38		25	4	FPSR10	33	PLUG				28	PLUG	71	5	FPSR06	23	PLUG	96	5.5	FPSR06			
13					39	PLUG				34	PLUG		45	4.5	FPSR10	29	PLUG	72	5	FPSR06	24						
14					40	PLUG				35						30	PLUG	73	5	FPSR06	25	PLUG	97	5.5	FPSR06		
15	PLUG PLUG				41		26	4	FPSR10	36	PLUG				31	PLUG	74	5	FPSR06	26							
16					42	PLUG				37	PLUG		46	4.5	FPSR10	32	PLUG	75	5	FPSR06	27	PLUG	98	5.5	FPSR06		
17					43	PLUG				38						33	PLUG	76	5	FPSR06	28						
18	PLUG PLUG				44		27	4	FPSR10	39	PLUG				34	PLUG	77	5	FPSR06	29	PLUG	99	5.5	FPSR06			
19					45	PLUG				40	PLUG		47	4.5	FPSR10	35	PLUG	78	5	FPSR06	30						
20					46	PLUG				41						36	PLUG	79	5	FPSR06	31	PLUG	100	5.5	FPSR06		
21	PLUG PLUG				47		28	4	FPSR10	42	PLUG				37	PLUG	80	5	FPSR06	32							
22					48	PLUG				43	PLUG		48	5	FPSR10	38	PLUG	81	5	FPSR06	33	PLUG	101	5.5	FPSR06		
23					49	PLUG				44						39	PLUG	82	5.5	FPSR06	34						
24	PLUG PLUG				50		29	4	FPSR10	45	PLUG				40	PLUG	83	5.5	FPSR06	35	PLUG	102	5.5	FPSR06			
25					51	PLUG				46	PLUG		49	5	FPSR10	41	PLUG	84	5.5	FPSR06	36						
26					52	PLUG				47						42	PLUG	85	6.5	PSR06	37	PLUG	103	5.5	FPSR06		
27	PLUG PLUG				53		30	4	FPSR10	48	PLUG				43	PLUG	86	6.5	PSR06	38							
28					54	PLUG				49	PLUG		50	5	FPSR10	44	PLUG	87	5.5	FPSR06	39	PLUG	104	5.5	FPSR06		
29					55	PLUG				50						45	PLUG	88	5.5	FPSR06	40						
30	PLUG PLUG				56		31	4	FPSR10	51	PLUG				46	PLUG	89	5.5	FPSR06	41	PLUG	105	5.5	FPSR06			
31					57	PLUG				52	PLUG		51	5	FPSR10	47	PLUG	90	5.5	FPSR06	42						
32					58	PLUG				53						48	PLUG	91	5.5	FPSR06	43	PLUG	106	6	FPSR06		
33	TOWER 1 PLUG				59		32	4	FPSR10	54	PLUG				49	PLUG	92	5.5	FPSR06	44							
1					60	PLUG				55	PLUG		52	5	FPSR10	50	PLUG	93	5.5	FPSR06	45	PLUG	107	6	FPSR06		
2					61	PLUG				56						51	PLUG	94	5.5	FPSR06	46						
3	PLUG PLUG				62		33	4.5	FPSR10	57	PLUG				52					47	PLUG	108	6	FPSR06			
4					63	PLUG				58	PLUG		53	5	FPSR10	53	PLUG	95	5.5	FPSR06	48						
5					64	PLUG				59						54	PLUG	96	5.5	FPSR06	49	PLUG	109	6	FPSR06		
6	PLUG PLUG				1	TOWER 2				60	PLUG				55	PLUG	97	5.5	FPSR06	50							
7					2					61	PLUG				56					51	PLUG	110	6	FPSR06			
8					3	PLUG		34	4.5	FPSR10	62		54	5.5	FPSR10	57	PLUG	98	5.5	FPSR06	52						
9	PLUG PLUG				4	PLUG				63	PLUG				58					53	PLUG	111	6	FPSR06			
10					5					64	PLUG				59	PLUG	99	5.5	FPSR06	54							
11					6	PLUG		35	4	FPSR10		TOWER 3				60	PLUG	100	5.5	FPSR06	55	PLUG	112	6	FPSR06		
12	PLUG PLUG				7	PLUG				1					61	PLUG	101	5.5	FPSR06	56							
13					8					2			55	5.5	FPSR06	62				57	PLUG	113	6	FPSR06			
14					9	PLUG		36	4	FPSR10	3	PLUG				63	PLUG	102	5.5	FPSR06	58						
15	PLUG PLUG				10	PLUG				4			56	5	FPSR06	64				59	PLUG	114	6	FPSR06			
16					11					5	PLUG						TOWER 4				60						
17					12	PLUG		37	4.5	FPSR10	6			57	5	FPSR06	1	PLUG	103	5.5	FPSR06	61	PLUG	115	6	FPSR06	
18	PLUG PLUG				13	PLUG				7	PLUG				2					62							
19					14					8			58	5	FPSR06	3	PLUG	104	5.5	FPSR06	63	PLUG	116	7.5	PSR06		
20					15	PLUG		38	4.5	FPSR10	9	PLUG				4				64	PLUG						
21	PLUG PLUG				16	PLUG				10					5	PLUG	105	5.5	FPSR06	65							
22					17					11	PLUG					6				1	TOWER 5						
23					18	PLUG		39	4.5	FPSR10	12					7	PLUG	106	5.5	FPSR06	2						
24	PLUG PLUG				19	PLUG				13	PLUG				8					3	PLUG	117	7.5	PSR06			
25					20					14						9	PLUG	107	5.5	FPSR06	4						
26					21	PLUG		40	4.5	FPSR10	15	PLUG				10				5	PLUG	118	6	FPSR06			
		21	4	FPSR10	21	PLUG				16					11	PLUG	108	5.5	FPSR06	6							

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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
7	PLUG				2		148	8	PSR06	62		178	9	PSR06	57	PLUG				52		235	8	PSR06
8		120	6	FPSR06	3	PLUG				63	PLUG				58		207	7.5	PSR06	53	PLUG			
9	PLUG				4		149	6.5	PSR06	64	PLUG				59	PLUG				54		236	8	PSR06
10		121	6	FPSR06	5	PLUG				TOWER 7					60		208	7.5	PSR06	55	PLUG			
11	PLUG				6		150	6.5	PSR06	1	PLUG				61	PLUG				56		237	8	PSR06
12		122	6	FPSR06	7	PLUG				2		179	9	PSR06	62		209	9.5	PSR06	57	PLUG			
13	PLUG				8		151	6.5	PSR06	3	PLUG				63	PLUG				58		238	8	PSR06
14		123	6	FPSR06	9	PLUG				4		180	7	PSR06	64	PLUG				59	PLUG			
15	PLUG				10		152	6.5	PSR06	5	PLUG				TOWER 8					60		239	8	PSR06
16		124	6	FPSR06	11	PLUG				6		181	7	PSR06	1	PLUG				61	PLUG			
17	PLUG				12		153	6.5	PSR06	7	PLUG				2		210	9.5	PSR06	62		240	10	PSR06
18		125	6	FPSR06	13	PLUG				8		182	7	PSR06	3	PLUG				63	PLUG			
19	PLUG				14		154	6.5	PSR06	9	PLUG				4		211	7.5	PSR06	64	PLUG			
20		126	6	FPSR06	15	PLUG				10		183	7	PSR06	5	PLUG				TOWER 9				
21	PLUG				16		155	6.5	PSR06	11	PLUG				6		212	7.5	PSR06	1	PLUG			
22		127	6	FPSR06	17	PLUG				12		184	7	PSR06	7	PLUG				2		241	10	PSR06
23	PLUG				18		156	6.5	PSR06	13	PLUG				8		213	8	PSR06	3	PLUG			
24		128	6	FPSR06	19	PLUG				14		185	7.5	PSR06	9	PLUG				4		242	8	PSR06
25	PLUG				20		157	7	PSR06	15	PLUG				10		214	8	PSR06	5	PLUG			
26		129	6	FPSR06	21	PLUG				16		186	7.5	PSR06	11	PLUG				6		243	8	PSR06
27	PLUG				22		158	7	PSR06	17	PLUG				12		215	8	PSR06	7	PLUG			
28		130	6	FPSR06	23	PLUG				18		187	7.5	PSR06	13	PLUG				8		244	8	PSR06
29	PLUG				24		159	7	PSR06	19	PLUG				14		216	8	PSR06	9	PLUG			
30		131	6.5	FPSR06	25	PLUG				20		188	7.5	PSR06	15	PLUG				10		245	8	PSR06
31	PLUG				26		160	7	PSR06	21	PLUG				16		217	8	PSR06	11	PLUG			
32		132	6.5	FPSR06	27	PLUG				22		189	7.5	PSR06	17	PLUG				12		246	8	PSR06
33	PLUG				28		161	7	PSR06	23	PLUG				18		218	8	PSR06	13	PLUG			
34		133	6.5	PSR06	29	PLUG				24		190	7.5	PSR06	19	PLUG				14		247	8	PSR06
35	PLUG				30		162	7	PSR06	25	PLUG				20		219	8	PSR06	15	PLUG			
36		134	6.5	PSR06	31	PLUG				26		191	7.5	PSR06	21	PLUG				16		248	8.5	PSR06
37	PLUG				32		163	7	PSR06	27	PLUG				22		220	8	PSR06	17	PLUG			
38		135	6.5	PSR06	33	PLUG				28		192	7.5	PSR06	23	PLUG				18		249	8.5	PSR06
39	PLUG				34		164	7	PSR06	29	PLUG				24		221	8	PSR06	19	PLUG			
40		136	6.5	PSR06	35	PLUG				30		193	7.5	PSR06	25	PLUG				20		250	8.5	PSR06
41	PLUG				36		165	7	PSR06	31	PLUG				26		222	8	PSR06	21	PLUG			
42		137	6.5	PSR06	37	PLUG				32		194	7.5	PSR06	27	PLUG				22		251	8.5	PSR06
43	PLUG				38		166	7	PSR06	33	PLUG				28		223	8	PSR06	23	PLUG			
44		138	6.5	PSR06	39	PLUG				34		195	7.5	PSR06	29	PLUG				24		252	8.5	PSR06
45	PLUG				40		167	7	PSR06	35	PLUG				30		224	8	PSR06	25	PLUG			
46		139	6.5	PSR06	41	PLUG				36		196	7.5	PSR06	31	PLUG				26		253	8.5	PSR06
47	PLUG				42		168	7	PSR06	37	PLUG				32		225	8	PSR06	27	PLUG			
48		140	6.5	PSR06	43	PLUG				38		197	7.5	PSR06	33	PLUG				28		254	8.5	PSR06
49	PLUG				44		169	7	PSR06	39	PLUG				34		226	8	PSR06	29	PLUG			
50		141	6.5	PSR06	45	PLUG				40		198	7.5	PSR06	35	PLUG				30		255	8.5	PSR06
51	PLUG				46		170	7	PSR06	41	PLUG				36		227	8	PSR06	31	PLUG			
52		142	6.5	PSR06	47	PLUG				42		199	7.5	PSR06	37	PLUG				32		256	8.5	PSR06
53	PLUG				48		171	7	PSR06	43	PLUG				38		228	8	PSR06	33	PLUG			
54		143	6.5	PSR06	49	PLUG				44		200	7.5	PSR06	39	PLUG				34		257	8.5	PSR06
55	PLUG				50		172	7	PSR06	45	PLUG				40		229	8	PSR06	35	PLUG			
56		144	6.5	PSR06	51	PLUG				46		201	7.5	PSR06	41	PLUG				36		258	8.5	PSR06
57	PLUG				52		173	7	PSR06	47	PLUG				42		230	8	PSR06	37	PLUG			
58		145	6.5	PSR06	53	PLUG				48		202	7.5	PSR06	43	PLUG				38		259	8.5	PSR06
59	PLUG				54		174	7	PSR06	49	PLUG				44		231	8	PSR06	39	PLUG			
60		146	6.5	PSR06	55	PLUG				50		203	7.5	PSR06	45	PLUG				40		260	8.5	PSR06
61	PLUG				56		175	7	PSR06	51	PLUG				46		232	8	PSR06	41	PLUG			
62		147	8	PSR06	57	PLUG				52		204	7.5	PSR06	47	PLUG				42		261	8.5	PSR06
63	PLUG				58		176	7	PSR06	53	PLUG				48		233	8	PSR06	43	PLUG			
64	PLUG				59	PLUG				54		205	7.5	PSR06	49	PLUG				44		262	8.5	PSR06
1	TOWER 6 PLUG				60		177	7	PSR06	55	PLUG				50		234	8	PSR06	45	PLUG			
					61	PLUG				56		206	7.5	PSR06	51	PLUG				46		263	8.5	PSR06

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47	PLUG				42		292	9	PSR06	37	PLUG				32		349	9.5	PSR06	27	PLUG				
48					43	PLUG				38					33	PLUG				28					
49	PLUG	264	8.5	PSR06	44		293	9	PSR06	39	PLUG	321	9.5	PSR06	34		350	9.5	PSR06	29	PLUG	378	10	PSR06	
50		265	8.5	PSR06	45	PLUG				40		322	9.5	PSR06	35	PLUG				30		379	10	PSR06	
51	PLUG				46		294	9	PSR06	41	PLUG				36		351	9.5	PSR06	31	PLUG				
52		266	8.5	PSR06	47	PLUG				42		323	9.5	PSR06	37	PLUG				32		380	10	PSR06	
53	PLUG				48		295	9	PSR06	43	PLUG				38		352	10	PSR06	33	PLUG				
54		267	8.5	PSR06	49	PLUG				44		324	9.5	PSR06	39	PLUG				34		381	10	PSR06	
55	PLUG				50		296	9	PSR06	45	PLUG				40		353	10	PSR06	35	PLUG				
56		268	8.5	PSR06	51	PLUG				46		325	9.5	PSR06	41	PLUG				36		382	10	PSR06	
57	PLUG				52		297	9	PSR06	47	PLUG				42		354	10	PSR06	37	PLUG				
58		269	8.5	PSR06	53	PLUG				48		326	9.5	PSR06	43	PLUG				38		383	10	PSR06	
59	PLUG				54		298	9	PSR06	49	PLUG				44		355	10	PSR06	39	PLUG				
60		270	8.5	PSR06	55	PLUG				50		327	9.5	PSR06	45	PLUG				40		384	10	PSR06	
61	PLUG				56		299	9	PSR06	51	PLUG				46		356	10	PSR06	41	PLUG				
62		271	11	PSR06	57	PLUG				52		328	9.5	PSR06	47	PLUG				42		385	10	PSR06	
63	PLUG				58		300	9	PSR06	53	PLUG				48		357	10	PSR06	43	PLUG				
64	PLUG				59	PLUG				54		329	9.5	PSR06	49	PLUG				44		386	10	PSR06	
TOWER 10					60		301	9	PSR06	55	PLUG				50		358	10	PSR06	45	PLUG				
1	PLUG				61	PLUG				56		330	9.5	PSR06	51	PLUG				46		387	10	PSR06	
2		272	11	PSR06	62		302	11.5	PSR06	57	PLUG				52		359	10	PSR06	47	PLUG				
3	PLUG				63	PLUG				58		331	9.5	PSR06	53	PLUG				48		388	10.5	PSR06	
4		273	8.5	PSR06	64	PLUG				59	PLUG				54		360	10	PSR06	49	PLUG				
5	PLUG				TOWER 11					60		332	9.5	PSR06	55	PLUG				50		389	10.5	PSR06	
6		274	8.5	PSR06	1	PLUG				61	PLUG				56		361	10	PSR06	51	PLUG				
7	PLUG				2		303	11.5	PSR06	62		333	12	PSR06	57	PLUG				52		390	10.5	PSR06	
8		275	8.5	PSR06	3	PLUG				63	PLUG				58		362	10	PSR06	53	PLUG				
9	PLUG				4		304	9	PSR06	64	PLUG				59	PLUG				54		391	10.5	PSR06	
10		276	8.5	PSR06	5	PLUG				TOWER 12					60		363	10	PSR06	55	PLUG				
11	PLUG				6		305	9	PSR06	1	PLUG				61	PLUG				56		392	10.5	PSR06	
12		277	8.5	PSR06	7	PLUG				2		334	12	PSR06	62		364	12.5	PSR06	57	PLUG				
13	PLUG				8		306	9	PSR06	3	PLUG				63	PLUG				58		393	10.5	PSR06	
14		278	8.5	PSR06	9	PLUG				4		335	9.5	PSR06	64	PLUG				59	PLUG				
15	PLUG				10		307	9	PSR06	5	PLUG				64					60		394	10.5	PSR06	
16		279	8.5	PSR06	11	PLUG				6		336	9.5	PSR06	TOWER 13					61	PLUG				
17	PLUG				12		308	9	PSR06	7	PLUG				1	PLUG		365	12.5	PSR06	62		395	12.5	PSR06
18		280	8.5	PSR06	13	PLUG				8		337	9.5	PSR06	2		366	10	PSR06	63	PLUG				
19	PLUG				14		309	9	PSR06	9	PLUG				3	PLUG				64	PLUG				
20		281	8.5	PSR06	15	PLUG				10		338	9.5	PSR06	4		367	10	PSR06	64					
21	PLUG				16		310	9	PSR06	11	PLUG				5	PLUG				TOWER 14					
22		282	9	PSR06	17	PLUG				12		339	9.5	PSR06	6		367	10	PSR06	1	PLUG				
23	PLUG				18		311	9	PSR06	13	PLUG				7	PLUG		368	10	PSR06	2		396	13	PSR06
24		283	9	PSR06	19	PLUG				14		340	9.5	PSR06	8		368	10	PSR06	3	PLUG				
25	PLUG				20		312	9	PSR06	15	PLUG				9	PLUG				4		397	10.5	PSR06	
26		284	9	PSR06	21	PLUG				16		341	9.5	PSR06	10		369	10	PSR06	5	PLUG				
27	PLUG				22		313	9	PSR06	17	PLUG				11	PLUG				6		398	10.5	PSR06	
28		285	9	PSR06	23	PLUG				18		342	9.5	PSR06	12		370	10	PSR06	7	PLUG				
29	PLUG				24		314	9.5	PSR06	19	PLUG				13	PLUG				8		399	10.5	PSR06	
30		286	9	PSR06	25	PLUG				20		343	9.5	PSR06	14		371	10	PSR06	9	PLUG				
31	PLUG				26		315	9.5	PSR06	21	PLUG				15	PLUG				10		400	10.5	PSR06	
32		287	9	PSR06	27	PLUG				22		344	9.5	PSR06	16		372	10	PSR06	11	PLUG				
33	PLUG				28		316	9.5	PSR06	23	PLUG				17	PLUG		373	10	PSR06	12		401	10.5	PSR06
34		288	9	PSR06	29	PLUG				24		345	9.5	PSR06	18					13	PLUG				
35	PLUG				30		317	9.5	PSR06	25	PLUG				19	PLUG				14		402	10.5	PSR06	
36		289	9	PSR06	31	PLUG				26		346	9.5	PSR06	20		374	10	PSR06	15	PLUG				
37	PLUG				32		318	9.5	PSR06	27	PLUG				21	PLUG				16		403	10.5	PSR06	
38		290	9	PSR06	33	PLUG				28		347	9.5	PSR06	22		375	10	PSR06	17	PLUG				
39	PLUG				34		319	9.5	PSR06	29	PLUG				23	PLUG				18		404	10.5	PSR06	
40		291	9	PSR06	35	PLUG				30		348	9.5	PSR06	24		376	10	PSR06	19	PLUG				
41	PLUG				36		320	9.5	PSR06	31	PLUG				25	PLUG				20		405	10.5	PSR06	
															26		377	10	PSR06						

WESTERN KANSAS IRRIGATION  
125 N. FRONTAGE ROAD  
JOHNSON, KANSAS 67855

SEPTEMBER 26, 2025  
WISH-119626  
PARKS BROTHERS  
SECTION 2-31-40  
625 GPM @ 22 PSI

VALLEY 8000 - 30  
SENNINGER HD LOW DRIFT SPRAY NOZZLES  
SENNINGER 10 & 6 PSI REGULATORS  
.75 I.D. FLEXIBLE HOSE  
NO ENDGUN

Rotation time at 100% = 28.02 Hours Or 1681 minutes

Installation Chart Page 4

Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg
21	PLUG				26		434	11	PSR06	13	PLUG			
22		406	10.5	PSR06	27	PLUG				14		463	11.5	PSR06
23	PLUG				28		435	11	PSR06	15	PLUG			
24		407	10.5	PSR06	29	PLUG				16		464	11.5	PSR06
25	PLUG				30		436	11	PSR06	17	PLUG			
26		408	10.5	PSR06	31	PLUG				18		465	11	PSR06
27	PLUG				32		437	11	PSR06	19	PLUG			
28		409	10.5	PSR06	33	PLUG				20		466	11.5	PSR06
29	PLUG				34		438	11	PSR06	21	PLUG			
30		410	10.5	PSR06	35	PLUG				22		467	11	PSR06
31	PLUG				36		439	11	PSR06	23	PLUG			
32		411	10.5	PSR06	37	PLUG				24		468	11.5	PSR06
33	PLUG				38		440	11	PSR06	25	PLUG			
34		412	10.5	PSR06	39	PLUG				26		469	11.5	PSR06
35	PLUG				40		441	11	PSR06					
36		413	10.5	PSR06	41	PLUG								
37	PLUG				42		442	11	PSR06					
38		414	10.5	PSR06	43	PLUG								
39	PLUG				44		443	11	PSR06					
40		415	10.5	PSR06	45	PLUG								
41	PLUG				46		444	11	PSR06					
42		416	10.5	PSR06	47	PLUG								
43	PLUG				48		445	11	PSR06					
44		417	10.5	PSR06	49	PLUG								
45	PLUG				50		446	11	PSR06					
46		418	10.5	PSR06	51	PLUG								
47	PLUG				52		447	11	PSR06					
48		419	10.5	PSR06	53	PLUG								
49	PLUG				54		448	11	PSR06					
50		420	10.5	PSR06	55	PLUG								
51	PLUG				56		449	11	PSR06					
52		421	13	PSR06	57	PLUG								
53	PLUG				58		450	11	PSR06					
54	PLUG				59	PLUG								
	<b>TOWER 15</b>				60		451	11	PSR06					
1	PLUG				61	PLUG								
2		422	13	PSR06	62		452	11	PSR06					
3	PLUG				63	PLUG								
4		423	11	PSR06	64		453	11	PSR06					
5	PLUG				65	PLUG								
6		424	11	PSR06	66		454	11	PSR06					
7	PLUG				67	PLUG								
8		425	11	PSR06	68		455	11	PSR06					
9	PLUG				69	PLUG								
10		426	11	PSR06	70		456	13.5	PSR06					
11	PLUG				71	PLUG								
12		427	11	PSR06	72	PLUG								
13	PLUG					<b>TOWER 16</b>								
14		428	11	PSR06	1	PLUG								
15	PLUG				2		457	13.5	PSR06					
16		429	11	PSR06	3	PLUG								
17	PLUG				4		458	11	PSR06					
18		430	11	PSR06	5	PLUG								
19	PLUG				6		459	11	PSR06					
20		431	11	PSR06	7	PLUG								
21	PLUG				8		460	11	PSR06					
22		432	11	PSR06	9	PLUG								
23	PLUG				10		461	11.5	PSR06					
24		433	11	PSR06	11	PLUG								
25	PLUG				12		462	11	PSR06					

**PRECIPITATION CHART FOR FULL CIRCLE**

WISH-119626

SEPTEMBER 26, 2025

DEALER - WESTERN KANSAS IRRIGATION

IRRIGATOR - PARKS BROTHERS

FIELD - SECTION 2-31-40

TOTAL LENGTH PIPE = 2576.53    SYSTEM PRESSURE = 22 PSI  
 GPM UNDER PIPE = 625.39    TOTAL GPM = 625.39  
 ACRES UNDER PIPE = 478.78  
 RANGE OF ENDGUN = .00    RUN FOR MINIMUM PRESSURE  
 GPM OF ENDGUN = .00  
 ACRES UNDER ENDGUN = .00

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
.08	100.00	28.02 - 1681(min)	100.00	.08	28.02 - 1681(min)
.10	80.87	34.65	90.00	.09	31.13
.20	40.44	69.29	80.00	.10	35.03
.25	32.35	86.62	70.00	.12	40.03
.30	26.96	103.94	60.00	.13	46.70
.40	20.22	138.59	50.00	.16	56.04
.50	16.17	173.24	45.00	.18	62.27
.60	13.48	207.89	40.00	.20	70.05
.70	11.55	242.53	35.00	.23	80.06
.75	10.78	259.86	30.00	.27	93.40
.80	10.11	277.18	25.00	.32	112.08
.90	8.99	311.83	20.00	.40	140.10
1.00	8.09	346.47	15.00	.54	186.80
1.25	6.47	433.09	10.00	.81	280.20
1.50	5.39	519.71	5.00	1.62	560.41

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.