FIRE ALARM SYSTEM INPUT/OUTPUT MATRIX

SYSTEM OUTPUTS: FACP ANNUNCIATION | NOTIFICATION | REQUIRED FIRE SAFETY CONTROL

SYSTEM INPUTS (outputs A–T):

1. FIRE ALARM SYSTEM AC POWER FAILURE
2. FIRE ALARM SYSTEM LOW BATTERY
3. OPEN CIRCUIT
4. GROUND FAULT
5. NOTIFICATION APPLIANCE CIRCUIT SHORT
6. BUILDING MANUAL PULL STATIONS
7. AREA SMOKE DETECTORS
8. SPRINKLER WATERFLOW IN BUILDING
9. HVAC AIR DUCT SMOKE DETECTORS
10. HOOD FIRE SUPPRESSION SYSTEM ALARM
11. SPRINKLER TAMPER SWITCH
12. BACKFLOW VALVE TAMPER
13. FAILURE OF SIGNAL TRANSMISSION
14. HEAT DETECTORS
15. FIRE PUMP FUEL LEAK
16. FIRE PUMP FUEL LOW
17. FIRE PUMP RUNNING
18. FIRE PUMP SYSTEM NOT IN AUTOMATIC
19. FIRE PUMP TEMPERATURE LOW
20. FIRE PUMP GENERAL TROUBLE
21. DRY SYSTEM HIGH/LOW PRESSURE

PANEL REPLACEMENT NOTE "COMPATIBILITY"

THE NEW B9512G PANEL IS A LIKE FOR LIKE REPLACEMENT FOR THE EXISTING D9412GV4 PANEL. PLEASE REFERENCE THE B9512G DATASHEET FIRST PAGE LAST PARAGRAPH FOR CONFIRMATION.

PLAN ABBREVIATIONS

(E)–EXISTING TO REMAIN
(R)–RELOCATE
(N)–NEW

WIRE LEGEND

	Description
A	FIRE ALARM SYSTEM 3pr #18 AWG FPL TWISTED
B	EXISTING FIRE ALARM SYSTEM 3pr #18 AWG FPL TWISTED
C	NOTIFICATION CIRCUIT 1pr #12 AWG FPL ZIP
D	EXISTING NOTIFICATION CIRCUIT 1pr #12 AWG FPL ZIP

PLENUM RATED CABLE FPLP SHALL BE UTILIZED IN PLENUM RATED CEILING AREAS ONLY

WP = WEATHERPROOF CABLE SHALL BE PROVIDED AS REQUIRED

(+) POSITIVE CIRCUIT POLARITY (–) NEGATIVE CIRCUIT POLARITY

ALARM SYMBOLS LEGEND

PLAN SYMBOL	QTY	DEVICE DESCRIPTION	PLAN SYMBOL	QTY	DEVICE DESCRIPTION
FACU	1	NEW FIRE ALARM CONTROL PANEL BOSCH B9512G	D8129	1	EXISTING OCTO–RELAY MODULE BOSCH D8129
FAA B926F	4	NEW SYSTEM ANNUNCIATOR AND FIRE ALARM KEYPAD BOSCH B926F	B299	3	NEW POPEX MODULE BOSCH B299
S P	1	NEW SMOKE DETECTOR BOSCH FCP–350–PTH (WITH FCA–350–B6R12 BASE)	D1640	1	NEW 16.5 VOLT TRANSFORMER BOSCH D1640
EOL PAM4	1	RELAY MODULE. PAM–4	D8004	1	EXISTING TRANSFORMER ENCLOSURE BOSCH D8004
NPS n	5	EXISTING NOTIFICATION POWER SUPPLY ALTRONIX AL1002ULADA n=UNIT NUMBER	(E) 115cd C		EXISTING CEILING MOUNT HORN/STROBE SYSTEM SENSOR PC2R, 115cd
S P	84	EXISTING SMOKE DETECTOR BOSCH D273THE	(E) 75cd C		EXISTING CEILING MOUNT HORN/STROBE SYSTEM SENSOR PC2R, 75cd
F	3 / 22	NEW/EXISTING MANUAL PULL STATION BOSCH FMM–100	(E) 15cd C		EXISTING CEILING MOUNT HORN/STROBE SYSTEM SENSOR PC2R, 15cd
AIM	4 / 196	NEW/EXISTING POPIT MODULE BOSCH D9127U	(E) 115cd		EXISTING CEILING MOUNT STROBE SYSTEM SENSOR SCR, 115cd
DOC	1	NEW FIRE ALARM DOCUMENT ENCLOSURE PN: 06–SSU00685	(E) 75cd		EXISTING CEILING MOUNT STROBE SYSTEM SENSOR SCR, 75cd
B444	1	EXISTING CONETTIX PLUG–IN 4G LTE CELLULAR COMMUNICATOR BOSCH B444	(E) 15cd		EXISTING CEILING MOUNT STROBE SYSTEM SENSOR SCR, 15cd
D130	4	EXISTING AUXILIARY RELAY MODULE BOSCH D130	L (E) (N) 75cd WP		EXISTING WALL MOUNT HORN/STROBE SYSTEM SENSOR P2RK, 75cd
D8130	1	EXISTING RELEASE MODULE BOSCH D8130	L (N) 15cd	1	NEW CEILING MOUNT STROBE SYSTEM SENSOR SCRL,15cd
D192G	1	EXISTING NAC MODULE BOSCH D192G	75cd C	1	NEW CEILING MOUNT HORN/STROBE SYSTEM SENSOR PC2RL, 75cd
SA	1	NEW SYNC CIRCUIT MODULE SYSTEM SENSOR MDL3R			END OF LINE RESISTOR/DEVICE

SCOPE OF WORK

PANEL BATTERY CALCULATIONS

DEVICE TYPE	QTY	STANDBY CURRENT	ALARM CURRENT	TOTAL STANDBY CURRENT	TOTAL ALARM CURRENT
FACU - B9512G Control Panel	1	0.180	0.260	0.180	0.260
SYNC Circuit Module MDL3R	1	0.010	0.050	0.010	0.050
Notification Appliance Circuit (NAC) Module D192G	1	0.035	0.100	0.035	0.100
Fire Keypad B926F	1	0.035	0.070	0.035	0.070
Plug-in Cellular Communicator B444	1	0.035	0.100	0.035	0.100
POPITS D9127U	200	0.0005	0.0008	0.1000	0.1600
Auxiliary Relay Module D130	4	0.000	0.060	0.000	0.240
12v-4w Smk Detector D273THE	1	0.015	0.036	0.015	0.036
Release Module D8130	1	0.007	0.060	0.007	0.060
Popex Module B299	3	0.035	0.035	0.105	0.105
Octo-Relay Module B8129	1	0.020	0.036	0.020	0.036
TOTALS				0.542	1.217

COMPUTATIONS

TOTAL AMPS USED IN STANDBY =	0.5420 X 24 HOURS	13.008	AH
TOTAL AMPS USED IN ALARM =	1.2173 X 5 MINUTES	0.101	AH
	+ 20% CONTINGENCY	2.622	AH
TOTAL STANDBY BATTERY REQUIREMENTS =		15.731	AH
TOTAL BACKUP BATTERY PROVIDED =		18.00	AH
TOTAL STANDBY BACKUP BATTERY REQUIRED =		15.731	AH
TOTAL BACKUP BATTERY RESERVED =		2.269	AH

Provide (1) 18 Ah batteries to provide 18 Ah at 12 volts

EXISTING POWER SUPPLY AL1002 BATTERY CALCULATIONS (NPS #1)

DEVICE TYPE	QTY	STANDBY CURRENT	TOTAL STANDBY CURRENT	ALARM CURRENT	TOTAL ALARM CURRENT
AL1002UL-ADA	1	0.130	0.130	0.300	0.300
CIRCUIT1 (REVISED)					
CEILING HORN/STROBE PC2R @ 75cd	5			0.176	0.880
CEILING STROBE SCR @ 75cd	5			0.158	0.790
CEILING STROBE SCR @ 15cd	4			0.066	0.264
CEILING STROBE SCRL @ 15cd	1			0.041	0.041
CIRCUIT2 (EXISTING)					
CEILING HORN/STROBE PC2R @ 115cd	3			0.218	0.654
CEILING STROBE SCR @ 115cd	3			0.210	0.630
CEILING HORN/STROBE PC2R @ 75cd	2			0.176	0.352
CEILING STROBE SCR @ 75cd	2			0.158	0.316
CEILING STROBE SCR @ 15cd	2			0.066	0.132
CIRCUIT3 (EXISTING)					
CEILING HORN/STROBE PC2R @ 115cd	2			0.218	0.436
CEILING STROBE SCR @ 115cd	3			0.210	0.630
CEILING HORN/STROBE PC2R @ 75cd	1			0.176	0.176
CEILING STROBE SCR @ 75cd	1			0.158	0.158
WEATHERPROOF WALL HORN/STROBE @ 75cd	1			0.176	0.176
WEATHERPROOF WALL STROBE @ 75cd	1			0.158	0.158
CIRCUIT4 (EXISTING)					
CEILING HORN/STROBE PC2R @ 115cd	3			0.218	0.654
CEILING STROBE SCR @ 115cd	3			0.210	0.630
CEILING HORN/STROBE PC2R @ 75cd	1			0.176	0.176
CEILING STROBE SCR @ 75cd	1			0.158	0.158
TOTALS		TOTAL STANDBY	0.130	TOTAL ALARM	7.711

SCOPE OF WORK

COMPUTATIONS

TOTAL AMPS USED IN STANDBY =	0.130 X 24 HOURS =	3.120	AH
TOTAL AMPS USED IN ALARM =	7.711 X 5 MINUTES =	0.643	AH
	+ 20% CONTINGENCY	0.753	AH
TOTAL STANDBY BATTERY REQUIREMENTS =		4.515	AH
TOTAL BACKUP BATTERY PROVIDED =		7.000	AH
TOTAL STANDBY BACKUP BATTERY REQUIRED =		4.515	AH
TOTAL BACKUP BATTERY RESERVED =		2.485	AH

Existing (2) 12VDC, 7.0Ah Batteries for 7.0 Ah at 24VDC

EXISTING POWER SUPPLY AL1002 BATTERY CALCULATIONS (NPS #3)

DEVICE TYPE	QTY	STANDBY CURRENT	STANDBY CURRENT	ALARM CURRENT	TOTAL ALARM CURRENT
AL1002UL-ADA	1	0.130	0.130	0.300	0.300
CIRCUIT1 (EXISTING)					
CEILING HORN/STROBE PC2R @ 115cd	3			0.218	0.654
CEILING STROBE SCR @ 115cd	3			0.210	0.630
WEATHERPROOF WALL HORN/STROBE @ 75cd	2			0.176	0.352
CIRCUIT2 (EXISTING)					
CEILING HORN/STROBE PC2R @ 115cd	2			0.218	0.436
CEILING STROBE SCR @ 115cd	2			0.210	0.420
CEILING HORN/STROBE PC2R @ 75cd	2			0.176	0.352
CEILING STROBE SCR @ 75cd	1			0.158	0.158
WEATHERPROOF WALL HORN/STROBE @ 75cd	2			0.176	0.352
CIRCUIT3 (REVISED)					
CEILING HORN/STROBE PC2R @ 115cd	3			0.218	0.654
CEILING STROBE SCR @ 115cd	2			0.210	0.420
CEILING HORN/STROBE PC2R @ 75cd	1			0.176	0.176
CEILING STROBE SCR @ 75cd	1			0.158	0.158
CEILING HORN/STROBE PC2R @ 15cd	1			0.079	0.079
CEILING STROBE SCR @ 15cd	2			0.066	0.132
CEILING HORN/STROBE PC2RL @ 75cd	1			0.143	0.143
CIRCUIT4 (EXISTING)					
CEILING HORN/STROBE PC2R @ 115cd	2			0.218	0.436
CEILING STROBE SCR @ 115cd	3			0.210	0.630
CEILING HORN/STROBE PC2R @ 75cd	1			0.176	0.176
CEILING STROBE SCR @ 75cd	1			0.158	0.158
CEILING STROBE SCR @ 15cd	1			0.066	0.066
TOTALS		TOTAL STANDBY	0.130	TOTAL ALARM	6.882

SCOPE OF WORK

COMPUTATIONS

TOTAL AMPS USED IN STANDBY =	0.130 X 24 HOURS =	3.120	AH
TOTAL AMPS USED IN ALARM =	6.882 X 5 MINUTES =	0.573	AH
	+ 20% CONTINGENCY	0.739	AH
TOTAL STANDBY BATTERY REQUIREMENTS =		4.432	AH
TOTAL BACKUP BATTERY PROVIDED =		7.000	AH
TOTAL STANDBY BACKUP BATTERY REQUIRED =		4.432	AH
TOTAL BACKUP BATTERY RESERVED =		2.568	AH

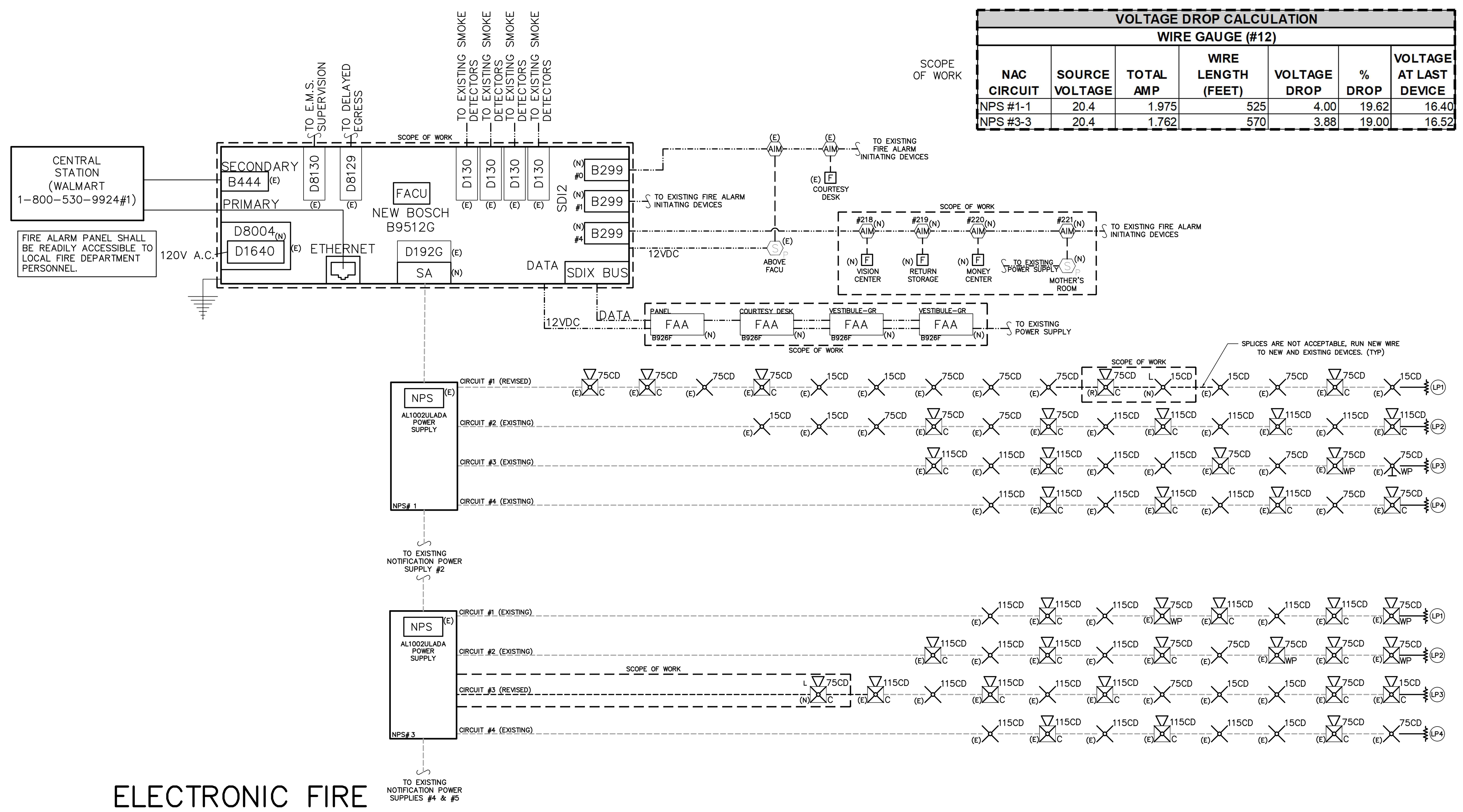
Existing (2) 12VDC, 7.0Ah Batteries for 7.0 Ah at 24VDC

SCOPE OF WORK

VOLTAGE DROP CALCULATION

WIRE GAUGE (#12)

NAC CIRCUIT	SOURCE VOLTAGE	TOTAL AMP	WIRE LENGTH (FEET)	VOLTAGE DROP	% DROP	VOLTAGE AT LAST DEVICE
NPS #1-1	20.4	1.975	525	4.00	19.62	16.40
NPS #3-3	20.4	1.762	570	3.88	19.00	16.52



ELECTRONIC FIRE PROTECTION RISER DIAGRAM

1 NOT TO SCALE

B9512 PROGRAMMING INFORMATION

POINT	#	DESCRIPTION	SETTING
		B299 ADDRESS 0	
PT.	9	FLOW 1	012-45-
PT.	10	FLOW 2	012-4-6
PT.	11	FLOW 3	012-4--
PT.	12	FLOW 4	012--56
PT.	13	FLOW 5	012--5-
PT.	14	P/S 5 AC/BATTERY	012---6
PT.	15	TAMPER 1	012----
PT.	16	TAMPER 2	01-3456
PT.	17	TAMPER 3	01-345-
PT.	18	TAMPER 4	01-34-6
PT.	19	TAMPER 5	01-34--
PT.	20	VAULT TAMPER 1	01-3-56
PT.	21	SYSTEM 6 DRY FLOW (IN PUMP ROOM)	01-3-5-
PT.	22	SYSTEM 6 LOW AIR (IN PUMP ROOM)	01-3--6
PT.	23	SYSTEM 6 HIGH AIR (IN PUMP ROOM)	01-3---
PT.	24	SYSTEM 6 TAMPER (OUTSIDE PUMP ROOM)	01--456
PT.	25	PUMP TAMPER 1	01--45-
PT.	26	PUMP TAMPER 2	01--4-6
PT.	27	PUMP TAMPER 3	01--4--
PT.	28	PUMP TAMPER 4	01---56
PT.	29	MAIN GATE VALVE	01---5-
PT.	30	PUMP ROOM TEMP	01----6
PT.	31	PUMP LOW FUEL	01-----
PT.	32	PUMP FUEL LEAK	0-23456
PT.	33	PUMP GENERAL TRBL	0-2345-
PT.	34	PUMP NOT IN AUTO	0-234-6
PT.	35	PUMP RUN	0-234--
PT.	36	PUMP RM PULL STATION	0-23-56
PT.	37	PUMP ROOM SMOKE	0-23-5-
PT.	38	NAC 1 AC/BATTERY	0-23--6
PT.	39	NAC 1 BELL CIRCUIT	0-23---
PT.	40	NAC 2 AC/BATTERY	0-2-456
PT.	41	NAC 2 BELL CIRCUIT	0-2-45-
PT.	42	NAC 3 AC/BATTERY	0-2-4-6
PT.	43	NAC 3 BELL CIRCUIT	0-2-4--
PT.	44	NAC 4 AC/BATTERY	0-2--56
PT.	45	NAC 4 BELL CIRCUIT	0-2--5-
PT.	46	NAC 5 AC/BATTERY	0-2---6
PT.	47	NAC 5 BELL CIRCUIT	0-2----
PT.	48	BREAK ROOM PULL STATION	0--3456
PT.	49	EXIT 4 PULL	0--345-
PT.	50	EXIT 5 PULL	0--34-6
PT.	51	RTU 38	0--34--
PT.	52	12V P/S 1 AC/BATTERY	0--3-56
PT.	53	RTU 30	0--3-5-
PT.	54	PATIO DR PULL 2	0--3--6
PT.	55	RTU 24	0--3---
PT.	56	RTU 17	0---456
PT.	57	PATIO DR PULL 1	0---45-
PT.	58	GC PULL 1	0---4-6
PT.	59	GC ANTIFREEZE TAMPER	0---4--
PT.	60	RTU 1	0----56
PT.	61	GC PULL 2	0----5-
PT.	62	GC DRY FLOW	0-----6
PT.	63	GC LOW AIR	0------
PT.	64	GC HIGH AIR	-123456
PT.	65	GC TAMPER	-12345-
PT.	66	DELAY POWER SUPPLY AC/BATTERY	-1234-6
PT.	67	24V P/S 2 AC/BATTERY	-1234--
PT.	68	24V P/S 3 AC/BATTERY	-123-56
PT.	69	24V P/S 4 AC/BATTERY	-123-5-
PT.	70	BREAK ROOM SMOKE	-123--6
PT.	71	EXIT 4 SMOKES	-123---
PT.	72	MAINT CLST SMOKE	-12-456
PT.	73	MARKET OFF SMOKE	-12-45-
PT.	74	REAR WOMENS HEAT	-12-4-6
PT.	75	REAR MENS HEAT	-12-4--
PT.	76	FAMILY RESTROOM HEAT	-12--56
PT.	77	SITE TO STORE SMOKE	-12--5-
PT.	78	PHOTO LAB SMOKE	-12---6
PT.	79	ADD OFFICE SMOKE	-12----
PT.	80	UPS SMOKE	-1-3456
PT.	81	GM HALL SMOKE 1	-1-345-
PT.	82	PERSONEL SMOKE	-1-34-6
PT.	83	GM STOCKROOM SMOKES	-1-34--
PT.	84	GM HALL SMOKE 2	-1-3-56
PT.	85	EXIT 7 PULL	-1-3-5-
PT.	86	RTU 33	-1-3--6
PT.	87	RTU 27	-1-3---
PT.	88	RTU 13	-1--456
PT.	89	RTU 21	-1--45-
PT.	90	RTU 23	-1--4-6
PT.	91	RTU 29	-1--4--
PT.	92	RTU 32	-1---56
PT.	93	RTU 39	-1---5-
PT.	94	RTU 31	-1----6
PT.	95	RTU 25	-1-----
PT.	96	RTU 26	--23456
PT.	97	RTU 20	--2345-
PT.	98	RTU 19	--234-6
PT.	99	RTU 18	--234--

B299 ADDRESS 1

PT.	109	GARDEN SMOKES	0123456
PT.	110	GC DRY SYSTEM SMOKE	012345-
PT.	111	EXIT 6	01234-6
PT.	112	GC PULL STATION 3	01234--
PT.	113	UPC HEAT DET	0123-56
PT.	114	PANEL SMOKE	0123-5-
PT.	115	GROCERY STOCKROOM SMOKES	0123--6
PT.	116	GM RECEIVING EXIT PULL	0123---
PT.	117	GM RECEIVING SMOKES	012-456
PT.	118	RTU 44	012-45-
PT.	119	GROCERY RECEIVING SMOKES	012-4-6
PT.	120	RTU 41	012-4--
PT.	121	GROCERY EXIT HALL PULL	012--56
PT.	122	GROCERY EXIT HALL SMOKE	012--5-
PT.	123	GROCERY STOCKROOM SMOKE 1	012---6
PT.	124	GROCERY STOCKROOM SMOKE 2	012----
PT.	125	GROCERY STOCKROOM SMOKE 3	01-3456
PT.	126	GROCERY STOCKROOM SMOKE 4	01-345-
PT.	127	EXIT 9 PULL	01-34-6
PT.	128	GROCERY STOCKROOM SMOKE 5	01-34--
PT.	129	GROCERY STOCKROOM SMOKE 6	01-3-56
PT.	130	SEAFOOD SMOKE	01-3-5-
PT.	131	PRODUCE SMOKE	01-3--6
PT.	132	PRODUCE PREP SMOKE 1	01-3---
PT.	133	EXIT 10 PULL	01--456
PT.	134	PRODUCE PRES SMOKE 2	01--45-
PT.	135	BAKERY HEAT 1	01--4-6
PT.	136	BAKERY HEAT 2	01--4--
PT.	137	BAKERY HEAT 3	01---56
PT.	138	BAKERY HEAT 4	01---5-
PT.	139	DELI HEAT 1	01----6
PT.	140	DELI HEAT 2	01-----
PT.	141	DELI HEAT 3	0-23456
PT.	142	DELI HEAT 4	0-2345-
PT.	143	BAKERY HEAT 5	0-234-6
PT.	144	GROCERY SALES SMOKE 1	0-234--
PT.	145	GROCERY SALES SMOKE 2	0-23-56
PT.	146	GROCERY SALES SMOKE 3	0-23-5-
PT.	147	GROCERY SALES SMOKE 4	0-23--6
PT.	148	GROCERY SALES SMOKE 5	0-23---
PT.	149	GROCERY SALES SMOKE 6	0-2-456
PT.	150	GROCERY SALES SMOKE 7GROCERY SALE	0-2-45-
PT.	151	GROCERY SALES SMOKE 8	0-2-4-6
PT.	152	GROCERY ENTRY SMOKE	0-2-4--
PT.	153	RTU 7	0-2--56
PT.	154	GROCERY ENTRY PULL	0-2--5-
PT.	155	GROCERY MAINTENANCE SMOKE	0-2---6
PT.	156	EDC 3 SMOKE	0-2----
PT.	157	GROCERY VESTIBULE EXIT PULL	0--3456
PT.	158	GROCERY INCOME SMOKE	0--345-
PT.	159	GROCERY VESTIBULE SMOKE	0--34-6
PT.	160	GROCERY CART SMOKE	0--34--
PT.	161	MCDONALDS ANSUL	0--3-56
PT.	162	MCDONALDS SMOKES	0--3-5-
PT.	163	MONEY CENTER SMOKE	0--3--6
PT.	164	MENS RESTROOM SMOKE	0--3---
PT.	165	WOMENS RESTROOM SMOKE	0---456
PT.	166	EXIT 8 PULL	0---45-
PT.	167	EXIT 8 SMOKE	0---4-6
PT.	168	CUSTOMER SERVICE SMOKE	0---4--
PT.	169	DATA CLOSET SMOKE	0----56
PT.	170	ACCOUNTING OFFICE SMOKE	0----5-
PT.	171	CASH OFFICE SMOKE	0-----6
PT.	172	VISION SALES SMOKE	0------
PT.	173	VISION PRETEST SMOKE	-123456
PT.	174	VISION CONTACT SMOKE	-12345-
PT.	175	AP OFFICE SMOKE	-1234-6
PT.	176	VISION EXAM SMOKE	-1234--
PT.	177	VISION OFFICE 2 SMOKE	-123-56
PT.	178	VISION ADJUSTMENT SMOKE	-123-5-
PT.	179	VISION WAITING SMOKE	-123--6
PT.	180	RTU 9	-123---
PT.	181	RX SALES SMOKE	-12-456
PT.	182	RX HEALTH WELNESS SMOKE	-12-45-
PT.	183	RX RESTROOM SMOKE	-12-4-6
PT.	184	RTU 2	-12-4--
PT.	185	GM ENTRY PULL	-12--56
PT.	186	RTU 3	-12--5-
PT.	187	GM VESTIBULE SMOKE	-12---6
PT.	188	GM CART SMOKE	-12----
PT.	189	GM INCOME SMOKE	-1-3456
PT.	190	GM VEST EXIT PULL STATION	-1-345-
PT.	191	GM VEST EXIT PULL STATION	-1-34-6
PT.	192	SALON SMOKES	-1-34--
PT.	193	SALON UTILITY SMOKE	-1-3-56
PT.	194	SALON HALL SMOKE	-1-3-5-
PT.	195	SALON STORAGE SMOKE	-1-3--6
PT.	196	SALON HALL PULL	-1-3---
PT.	197	EDC 2 PULL	-1--456
PT.	198	EDC 2 SMOKE	-1--45-
PT.	199	AHU 1	-1--4-6
PT.	200	AHU 2	-1--4--
PT.	201	RTU 14	-1---56
PT.	202	DELI ANSUL HOOD	-1---5-
PT.	203	CUSTOMER SERVICE PULL STATION	-1----6
PT.	204	VISION OFFICE 1 SMOKE	-1-----

B299 ADDRESS 2

PT.	209	SMOKE BEAM 1	0123456
PT.	210	SMOKE BEAM 2	012345-
PT.	211	SMOKE BEAM 3	01234-6
PT.	212	SMOKE BEAM 4	01234--
PT.	213	SMOKE BEAM 5	0123-56
PT.	214	SMOKE BEAM 6	0123-5-
PT.	215	SMOKE BEAM 7	0123--6
PT.	216	SMOKE BEAM 8	0123---
PT.	217	SMOKE BEAM 9	012-456
PT.	218	VISION CENTER PULL STATION	012-45-
PT.	219	RETURN STORAGE PULL STATION	012-4-6
PT.	220	MONEY CENTER PULL STATION	012-4--
PT.	221	MOTHER'S ROOM SMOKE DETECTOR	012--56
PT.	222		012--5-
PT.	223		012---6

Joshua A. Houghton CET

STIPULATION FOR REUSE

CONSULTANTS

Walmart
310 31ST AVENUE SE
PUYALLUP, WA
STORE NO. 2403.254
JOB NUMBER: 32786

ISSUE BLOCK

1	02/05/25	PCC	#1

CHECKED BY:	BRY
DRAWN BY:	AHS
PROTO:	192
POSSESSION DATE:	01/13/25
DOCUMENT DATE:	10/21/24

Joshua A. Houghton, CET
1805 N 2nd St.
Rogers, AR 72756-2423
NICET# 122388
Fire Alarm Systems, Level III
Feb 05, 2025

ELECTRONIC FIRE PROTECTION RISER AND CALCULATIONS

LOCATION:
WALMART STORE #2403
310 31ST AVENUE SE
PUYALLUP, WA 98374

SHEET: EFP2