GENERAL FIRE ALARM SYSTEM NOTES

1) FIRE ALARM SYSTEM IS POWER LIMITED. METALLIC RACEWAY SHALL BE USED IF REQUIRED BY CODE, SPECIFICATIONS AND CONTRACT DOCUMENTS OR AHJ.
2) ALL RACEWAYS MUST BE FREE OF MOISTURE
3) REFER TO JOHNSON CONTROLS FIRE ALARM DATA SHEETS FOR PROPER TYPE AND SIZES OF REQUIRED DEVICE MOUNTING ELECTRICAL BOXES. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROPER INSTALLATION OF ALL DEVICES.
4) AC VOLTAGE IS NOT PERMITTED IN THE SAME RACEWAY AS FIRE ALARM WIRING.
5) UNRELATED (NON-FIRE ALARM) WIRING SHALL NOT BE IN THE SAME RACEWAY AS FIRE ALARM WIRING.
6) ALL CONTRACTOR FIELD WIRING MUST ENTER ALARM CONTROL PANEL BACKBOX FOLLOWING POWER-LIMITED AND NON POWER-LIMITED WIRING REQUIREMENTS. REFER TO INSTALLATION INSTRUCTIONS FOR MORE INFORMATION.
7) ZONE CIRCUITS AND SIGNAL CIRCUITS ARE ELECTRICALLY SUPERVISED. BRANCH CIRCUITS SHALL BE LOOPED TO MAINTAIN INTEGRITY OF SUPERVISED CIRCUITS--T-TAPPING OF ZONE CIRCUITS AND SIGNAL CIRCUITS IS NOT PERMITTED.
8) REFER TO FACP MODULE DIAGRAMS, INCLUDED WITH FACP, FOR SPECIFICATIONS AND INFORMATION ON INDIVIDUAL PANEL MODULES. VERIFY ALL CONNECTIONS WITH A JOHNSON CONTROLS FIELD TECHNICAL REPRESENTATIVE PRIOR TO TERMINATION.
9) ALL FIRE ALARM WIRING SHALL TEST FREE OF OPENS, SHORTS AND GROUNDS.
10) ALL WIRING SHALL BE LABELED AND TAGGED
11) ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION AND MAKING ALL FINAL CONNECTIONS PRIOR TO JOB CHECKOUT AND FINAL TESTING BY A JOHNSON CONTROLS FIELD TECHNICAL REPRESENTATIVE. CALL A MINIMUM OF 5 DAYS IN ADVANCE TO SCHEDULE A JOHNSON CONTROLS TECHNICIAN AT (206) 777-4860
12) ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR MAKING ALL ARRANGEMENTS FOR INSPECTION, TEST AND CERTIFICATION OF THE FIRE ALARM SYSTEM BY ALL APPROPRIATE AUTHORITIES.
13) UPON WRITTEN REQUEST, JOHNSON CONTROLS WILL PROVIDE WRITTEN INSTRUCTIONS REGARDING THE APPROPRIATE WIRE/CABLE FOR INSTALLATION OF THE EQUIPMENT/SYSTEM(S) IDENTIFIED IN THESE DRAWINGS. JOHNSON CONTROLS SHALL NOT BE RESPONSIBLE FOR PROBLEMS OR DAMAGES RESULTING FROM THE USE OF WIRE/CABLE OTHER THAN THAT WHICH HAS BEEN IDENTIFIED IN WRITING BY JOHNSON CONTROLS FOR A SPECIFIC APPLICATION.
14) ALL WIRING SHALL MEET ALL APPLICABLE NATIONAL ELECTRIC CODE ARTICLES FOR FIRE ALARM AND LOW VOLTAGE WIRING.

ARCHITECT:	N/A
FIRE ALARM SYSTEM DESIGNED BY:	JOHNSON CONTROLS SEATTLE, WA
FIRE ALARM SYSTEM INSTALLED BY:	PRECISION ELECTRIC GROUP REDMOND, WA
EQUIPMENT FOR FIRE ALARM SYSTEM SUPPLIED BY:	JOHNSON CONTROLS SEATTLE, WA
WASHINGTON STATE ELECTRICAL CONTRACTORS NUMBER:	JOHNSCP831PR

* **THESE DRAWINGS DO NOT SUPERSEDE THE CONTRACT DRAWINGS AND SPECIFICATIONS, THEY ARE INTENDED AS A SUPPLEMENT ONLY AND MUST BE USED IN CONJUNCTION WITH THE CONTRACT DOCUMENTS. THEY DO NOT MODIFY THE CONTRACTORS OBLIGATIONS TO CONFORM TO THE PROJECTS ORIGINAL DESIGN CRITERIA.**

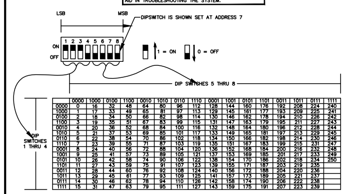
Sequence of Operation

Sequence of Operation	Manual Station	Smoke Detection	Supervisory Smoke Detection*	Beam Smoke Detection	Corridor Smoke Detection	Anesthetizing Area Smoke Detection	IDF Room Smoke Detection	Primary Recall Elevator Lobbies Smoke Detection	Elev Lobbies Except Primary Recall Smoke Detection	Elevator Mach Rm/Shaft Smoke Detection	Elevator Power Monitor	Duct Smoke Detection Supply Air Handler	Duct Smoke Detection Exhaust Air Handler	Duct Smoke Detection Supply Smoke/Fire Damper	Duct Smoke Detection Exhaust Smoke/Fire Damper	Heat Detection	Clean Agent System Control Panel	Flow Switch	Pressure Switch	High/Low Air Switch	Tamper Switch	Fire Pump	System Trouble
Activation of Local Alarm at FACP (LCD Display & Audible Indication)	X	X		X	X		X	X	X	X						X	X	X	X				
Activation of Local Alarm at Annunciator	X	X		X	X		X	X	X	X						X	X	X	X				
Activate Visible Devices Alarm Floor	X	X		X	X		X	X	X	X						X	X	X	X				
Activate Audible Devices Alarm Floor/Floor Above/Floor Below	X	X		X	X		X	X	X	X						X	X	X	X				
Release Door Holders Within Smoke Zone	X	X		X	X		X	X	X	X						X	X	X	X				
Release Door Holders Floor of Alarm	X																						
Release Elevator Door Smoke Curtains Local Detection Only		X		X	X		X										X						
Release Stair Door Locks Floor of Alarm	X	X		X	X		X	X	X	X						X	X	X	X				
Close Corridor Smoke/Fire Dampers Within Smoke Zone					X																		
Close Smoke/Fire Dampers at Duct Det.														X	X								
Maintain Smoke/Fire Dampers in Anesthetizing Area Ducts in Open Position															X								
Shutdown AHU and SAHU Supply Fan												X											
Shutdown EAHU Exhaust Fan													X										
Send Signal to DDC for Shutdown of Associated AHU, SAHU and EAHU Fans												X	X	X	X								
Send Signal to DDC System					X		X					X	X	X	X		X						
Send Signal to DDC System For Smoke Removal Mode																							
Activate Stair Pressurization Fans	X	X		X	X			X	X	X						X	X	X					
Open Elevator Hoistway Vent Dampers								X	X	X													
Initiate Primary Elevator Recall									X	X													
Initiate Alternate Elevator Recall								X															
Activate Elevator Hat Light										X													
Transmit Alarm Signal To Central Station Monitor	X	X		X	X		X	X	X	X						X	X	X	X				
Trouble Indication at FACP																							X
Trouble Indication at Annunciator																							X
Transmit Trouble Signal To Central Station Monitor																							X
Supv Indication at FACP			X			X					X	X	X	X	X					X	X	X	
Supv Indication at Annunciator			X			X					X	X	X	X	X					X	X	X	
Transmit Supv Signal To Central Station Monitor			X			X					X	X	X	X	X					X	X	X	

* See the list to the right for Supervisory Smoke Detectors.

ADDRESSABLE DEVICE CHART

EACH ADDRESSABLE DEVICE HAS A UNIQUE ADDRESS. THE ADDRESS OF THE ADDRESSABLE DEVICE IS SET VIA AN EIGHT POSITION DIP SWITCH. DIP SWITCH POSITION (1) IS THE LEAST SIGNIFICANT BIT (LSB) AND POSITION (8) IS THE MOST SIGNIFICANT BIT (MSB). SET THE ADDRESSABLE DEVICE ADDRESS USING THIS CHART AS REFERENCE. USE A SMALL SCREWDRIVER OR PEN TO SET THE SWITCHES. THE DEVICE ADDRESS FOR THE ADDRESSABLE DEVICE SHOULD BE WRITTEN ON THE RE-SEALABLE LABEL. THIS INFORMATION PROVIDES AN AID IN TROUBLESHOOTING THE SYSTEM.



	0000	1000	0100	1100	0010	1010	0110	1110	0001	1001	0101	1101	0011	1011	0111	1111
0000	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224	240
1000	1	17	33	49	65	81	97	113	129	145	161	177	193	209	225	241
0100	2	18	34	50	66	82	98	114	130	146	162	178	194	210	226	242
1100	3	19	35	51	67	83	99	115	131	147	163	179	195	211	227	243
0010	4	20	36	52	68	84	100	116	132	148	164	180	196	212	228	244
1010	5	21	37	53	69	85	101	117	133	149	165	181	197	213	229	245
0110	6	22	38	54	70	86	102	118	134	150	166	182	198	214	230	246
1110	7	23	39	55	71	87	103	119	135	151	167	183	199	215	231	247
0001	8	24	40	56	72	88	104	120	136	152	168	184	200	216	232	248
1001	9	25	41	57	73	89	105	121	137	153	169	185	201	217	233	249
0101	10	26	42	58	74	90	106	122	138	154	170	186	202	218	234	250
1101	11	27	43	59	75	91	107	123	139	155	171	187	203	219	235	
0011	12	28	44	60	76	92	108	124	140	156	172	188	204	220	236	
1011	13	29	45	61	77	93	109	125	141	157	173	189	205	221	237	
0111	14	30	46	62	78	94	110	126	142	158	174	190	206	222	238	
1111	15	31	47	63	79	95	111	127	143	159	175	191	207	223	239	

MAPNET II SUPPORTS ADDRESS CODES 1 THROUGH 127 ONLY
IDNET SUPPORTS ADDRESS CODES 1 THROUGH 250 ONLY

Supervisory Smoke Detectors

IDNET	Description
N9:M2-177	MT - LVL A STAFF BREAK MA42
N7:M1-125	MT - LVL 1 CLEAN UTIL/NOURISH M138.1
N7:M1-137	MT - LVL 1 STAFF LOCKERS M184
N7:M1-138	MT - LVL 1 STAFF BREAK/COATS M183
N7:M2-64	MT - LVL 2 OR 6 M287 EAST
N7:M2-65	MT - LVL 2 OR 6 M287 WEST
N7:M2-67	MT - LVL 2 OR 5 M288 EAST
N7:M2-68	MT - LVL 2 OR 5 M288 WEST
N7:M2-73	MT - LVL 2 OR 4 M281 WEST
N7:M2-74	MT - LVL 2 OR 4 M281 EAST
N7:M2-76	MT - LVL 2 OR 3 M282 WEST
N7:M2-77	MT - LVL 2 OR 3 M282 EAST
N7:M2-83	MT - LVL 2 OR 2 M283 WEST
N7:M2-84	MT - LVL 2 OR 2 M283 EAST
N7:M2-91	MT - LVL 2 OR 1 M284 WEST
N7:M2-92	MT - LVL 2 OR 1 M284 EAST
N7:M2-177	MT - LVL 2 BREAKROOM M255
N7:M2-178	MT - LVL 2 BREAKROOM M253
N7:M2-183	MT - LVL 2 CLEAN UTILITY M234.2
N7:M3-33	MT - LVL 3 INTER RADIOLOGY 1 M336 SE
N7:M3-34	MT - LVL 3 INTER RADIOLOGY 1 M336 NW
N7:M3-36	MT - LVL 3 INTER RADIOLOGY 2 M337 SE
N7:M3-37	MT - LVL 3 INTER RADIOLOGY 2 M337 NW
N7:M3-40	MT - LVL 3 CATH 1 M333 NW
N7:M3-41	MT - LVL 3 CATH 1 M333 SE
N7:M3-44	MT - LVL 3 CATH2 M332 SW
N7:M3-45	MT - LVL 3 CATH2 M332 NE
N7:M3-51	MT - LVL 3 NOURISHMENT M331.4
N7:M3-76	MT - LVL 3 MRI 365 N
N7:M3-77	MT - LVL 3 MRI 365 S
N7:M3-81	MT - LVL 3 MRI TRANSFER M365.1
N7:M3-164	MT - LVL 3 CONFERENCE M358
N7:M3-179	MT - LVL 3 LOCKERS M392
N7:M3-180	MT - LVL 3 BREAKROOM M325
N7:M3-184	MT - LVL 3 CLEAN UTILITY M374.2
N7:M3-186	MT - LVL 3 CLEAN UTILITY M371
N7:M3-190	MT - LVL 3 CONFERENCE M308.1
N7:M3-193	MT - LVL 3 BREAKROOM M334.7
N7:M3-209	MT - LVL 3 CT-2 M362
N8:M2-36	MT - LVL 5 FOOD PANTRY/NOURISH M587
N8:M2-78	MT - LVL 5 FOOD PANTRY/NOURISH M577
N8:M2-91	MT - LVL 5 STAFF BREAK M557
N8:M2-93	MT - LVL 5 CONFERENCE M556
N8:M3-36	MT - LVL 6 FOOD PANTRY/NOURISH M662
N8:M3-71	MT - LVL 6 FOOD PANTRY/NOURISH M655
N8:M3-91	MT - LVL 6 STAFF BREAK M680
N8:M3-93	MT - LVL 6 CONFERENCE M658

Legend

Symbol	Description	Part #	Backbox
F	Multicandela Wall Speaker/Strobe - White * subscript indicates circuit # and candela setting	4906-9153	5" sq 2.875" deep w/ ext ring 4"sq adapter by EC
F (C)	Multicandela Ceiling Speaker/Strobe - White * subscript indicates circuit # and candela setting	4906-9154	5" sq 2.875" deep w/ ext ring 4"sq adapter by EC
	Multicandela Wall Strobe - White * subscript indicates circuit # and candela setting	4906-9103	4" sq by EC
	Multicandela Ceiling Strobe - White * subscript indicates circuit # and candela setting	4906-9102	4" sq by EC
S	Wall Speaker - White * subscript indicates circuit #	4902-9717	5" sq 2.875" deep w/ ext ring 4"sq adapter by EC
S (C)	Ceiling Speaker - White * subscript indicates circuit #	4902-9721	5" sq 2.875" deep w/ ext ring 4"sq adapter by EC
F	Addressable Manual Station * subscript indicates device address	4099-9003 w/ STI1100 Cover	4" sq 2 1/8" deep w/ sg ring by EC
S	TrueAlarm Smoke Sensor * subscript indicates device address/ SUPV indicates supervisory device	4098-9714 w/ 4098-9792 Base	4" oct by EC
H	TrueAlarm Heat Sensor * subscript indicates device address	4098-9733 w/ 4098-9792 Base	4" oct by EC
H FT	Heat Detector - 135FT	ED-283B-PL	4" oct by EC
D	TrueAlarm Duct Sensor * subscript indicates device address and sampling tube size	4098-9756	self-contained
	Remote LED w/Test	2098-9806	sg by EC
DR	Duct Detector Relay	4098-9843	4"sq w/sg & cover by EC
BT	Beam Smoke Detector - Transmitter	BEAM1224	Surface Box w/BEAMSMK
BR	Beam Smoke Detector - Reflector		Surface
MZ	Monitor ZAM * subscript indicates device address	4090-9101	4"sq 2 1/8" deep w/ 2-gang cover by EC
IAM	Supervised IAM * subscript indicates device address	4090-9001	4"sq w/sg & cover by EC
FS	Flow Switch	By Others	By Others
PS	Pressure Switch	By Others	By Others
LA	Low Air Switch	By Others	By Others
TS	Tamper Switch	By Others	By Others
PIV	Post Indicator Valve	By Others	By Others
DH	Door Holders	By Others	By Others
RI	Relay IAM * subscript indicates device address	4090-9002	4"sq 2 1/8" deep w/ 2-gang cover by EC
R	Remote Relay	2088-9008	self-contained
	FFT Jack	2084-9001	sg by EC
FFT	FFT Cabinet	2084-9026 w/ (10) 2084-9024 handsets	23.5"H x 23.5"W x 4.0"D
SCP	Smoke Control Panel	CEF-L-GR-GP6	41"H x 29"W x 4.75"D
PTR	Printer	4190-9013	Table Top
LCD	LCD Annunciator	4603-9101	6-gang 3.5"deep by EC or RSA-WP-SA
TC	Terminal Cabinet	SSU00661	13"H x 23.5"W x 5.5"D
TPR	Transponder Panel	4100-9601	56"H x 24"W x 8.375"D 2975-9432
FACP	Fire Alarm Control Panel	4100-9114	56"H x 24"W x 8.375"D 2975-9426
NDU	Network Display Unit	4100-9151	56"H x 24"W x 8.375"D 2975-9426

Fire Alarm Control Panel - N7 (Level 1)

Auxiliary Circuits
N7:AUX(1-2)) Not Available
N7:AUX3) Spare
N7:AUX4) Auxiliary Power
N7:AUX5) Not Available
N7:AUX6) Auxiliary Power
N7:AUX7) Not Available
N7:AUX8) Auxiliary Power
N7:AUX9) Level 1 Door Holders
N7:AUX10) Level 1 East Link Door Holders
N7:AUX(11-16)) Spare

Fire Fighter Telephone Circuits
N7:SIG21) Stair 1
N7:SIG22) Stair 2/3
N7:SIG23) Elevator 1-3 Lobbies/CAB
N7:SIG24) Elevator 4-5 Lobbies/CAB
N7:SIG25) Elevator 6-7 Lobbies/CAB
N7:SIG26) Elevator 8 Lobbies/CAB
N7:SIG27) Elevator 9 Lobbies/CAB
N7:SIG28) Fire Pump Room
N7:SIG29) Spare

Speaker Circuits	Watts
N7:SIG30) Level 1 West	15.0
N7:SIG31) Stair 1	3.0
N7:SIG32) Stair 2/3	3.0
N7:SIG(33-35)) Not Available	
Total Watts	21.0
Watts Provided	50.0
N7:SIG36) Level 1 Northeast	7.5
N7:SIG37) Elevator 1-3 Cabs	1.5
~~N7:SIG38) Level 1 East Link~~	~~4.5~~
N7:SIG39) Level 1 Southeast	7.5
~~N7:SIG40) Mic Trip to Node N8~~	~~0.0~~
N7:SIG41) Mic Trip to Node N9	0.0
Total Watts	21.0
Watts Provided	50.0

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IDNET Channel #M1
Level 1 - N7:M1-2 to N7:M1-32, N7:M1-34 to N7:M1-60, N7:M1-62 to N7:M1-75, N7:M1-78 TO N7:M1-139, N7:M1-178 TO N7:M1-179, N7:M1-240 to N7:M1-245
Level 1 East Link - N7:M1-160 to N7:M1-170
Level 1 Pharmacy - N7:M1-171 to N7:M1-176
Stair 1 - N7:M1-150 to N7:M1-155, N7:M1-157 to N7:M1-159, N7:M1-180 to N7:M1-208
Stair 2/3 - N7:M1-141 to N7:M1-149, N7:M1-156, N7:M1-211 to N7:M1-235

Fire Alarm Network

Node Assignments
N1) Hospital - GCC
N2) Hospital - FACP
N3) Hospital West Wing - FACP
N4) Parking Structure 2 - FACP
N5) Central Utility Plant - FACP
N6) Patient Care Tower - NDU
N7) Patient Care Tower - Level 1 FACP
N8) Patient Care Tower - Level 4 FACP

BATTERY CALCULATIONS - NDU N6 (1st Floor)

Does the system have an Emergency Generator that meets NEC 700.01?
___yes X no

How many hours of battery standby are required?
X 4 ___24 ___48 ___60 (4 hours minimum w/ Emergency Generators)

Qty	Part #	Description	Standby Current (A)	Total Standby (A)	Alarm Current (A)	Total Alarm (A)
1	4100-9151	Network Display Unit	0.7330	0.7330	0.7980	0.7980
4	4603-9101	LCD Annunciator	0.0300	0.1200	0.1700	0.6800
1	CEF-L-GR-GP6	Smoke Control Panel	0.0168	0.0168	0.3120	0.3120
				0.0000		0.0000
			Total Standby=	0.8698	Total Alarm=	1.7900
					Time (Hrs)	
		Total Standby Current Required=	0.8698	X	4.0000	3.4792
		Total Alarm Current Required=	1.7900	X	0.0833	0.1491
		Total=				3.6283
		50% Depletion Factor=				1.8142
		Total Amp/Hour Required=				5.4425
		Total Amp/Hour Batteries Provided=			(1) set	33.0000

BATTERY CALCULATIONS - FACP N7 (1st Floor)

Does the system have an Emergency Generator that meets NEC 700.01?
___yes X no

How many hours of battery standby are required?
X 4 ___24 ___48 ___60 (4 hours minimum w/ Emergency Generators)

Qty	Part #	Description	Standby Current (A)	Total Standby (A)	Alarm Current (A)	Total Alarm (A)
~~1~~	~~4100-9111~~	~~Fire Alarm Control Panel~~	~~2.1184~~	~~2.1184~~	~~13.1830~~	~~13.1830~~
34	4906-9153	Speaker/Strobe 15cd	0.0000	0.0000	0.0600	2.0400
~~3~~	~~4906-9153~~	~~Speaker/Strobe 30cd~~	~~0.0000~~	~~0.0000~~	~~0.0940~~	~~0.2820~~
6	4906-9153	Speaker/Strobe 75cd	0.0000	0.0000	0.1860	1.1160
~~2~~	~~4906-9153~~	~~Speaker/Strobe 110cd~~	~~0.0000~~	~~0.0000~~	~~0.2520~~	~~0.5040~~
23	4906-9103	Strobe 15cd	0.0000	0.0000	0.0600	1.3800
12	4098-9756	TrueAlarm Duct Smoke Sensor	0.0024	0.0288	0.0150	0.1800
~~12~~	~~4098-9843~~	~~Duct Detector Relay~~	~~0.0000~~	~~0.0000~~	~~0.0150~~	~~0.1800~~
22	2088-9008	Remote Relay	0.0000	0.0000	0.0150	0.3300
			Total Standby=	2.1472	Total Alarm=	19.1950
					Time (Hrs)	
		Total Standby Current Required=	2.1472	X	4.0000	8.5888
		Total Alarm Current Required=	19.1950	X	0.0833	1.5989
		Total=				10.1877
		50% Depletion Factor=				5.0939
		Total Amp/Hour Required=				15.2816
		Total Amp/Hour Batteries Provided=			(1) set	50.0000

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0.060 Speaker/Strobe 15cd	0.094 Speaker/Strobe 30cd	0.186 Speaker/Strobe 75cd	0.252 Speaker/Strobe 110cd	0.060 Strobe 15cd	0.094 Strobe 30cd	0.186 Strobe 75cd	0.252 Strobe 110cd	0.075 Ceiling Speaker/Strobe 15cd	0.125 Ceiling Speaker/Strobe 30cd	0.233 Ceiling Speaker/Strobe 75cd	0.316 Ceiling Speaker/Strobe 110cd	0.060 Ceiling Strobe 15cd	0.030 Weatherproof Bell	Signal Circuits - FACP N7 (Level 1)	Current	Dist. (ft)	Voltage Drop
														N7:SIG(1-2) Not Available			
8		1		2										N7:SIG3) Level 1 Northwest Strobes	0.786	520	2.61
6	1	1		4										N7:SIG4) Level 1 Southwest Strobes	0.880	569	3.19
3	1	2		3										N7:SIG5) Level 1 Northeast Strobes	0.826	650	3.43
														N7:SIG(6-8) Not Available			
~~4~~	~~1~~	~~1~~		~~7~~										~~N7:SIG9) Level 1 Northeast Central Strobes~~	~~0.940~~	~~660~~	~~3.96~~
8			1	2										N7:SIG10) Level 1 Southeast Central Strobes	0.852	605	3.29
2		1	1	5										N7:SIG11) Level 1 Southeast Strobes	0.858	595	3.26
3														N7:SIG12) Level 1 East Link Strobes	0.180	545	0.63
														N7:SIG13) Spare	0.000		0.00
														N7:SIG14) Spare	0.000		0.00
														N7:SIG(15-20)) Not Available			
34	3	6	2	23	0	0	0	0	0	0	0	0	0	Total	5.322		

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City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

SCOPE OF WORK:

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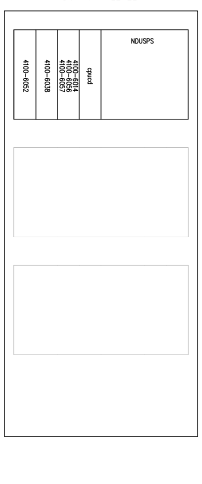
FIRE ALARM SYSTEM TI TO ADD DOOR CONTROL RELAY'S AND 1 NEW NOTIFICATION DEVICE AS SHOWN ON SHEET FA-LEV1-E.

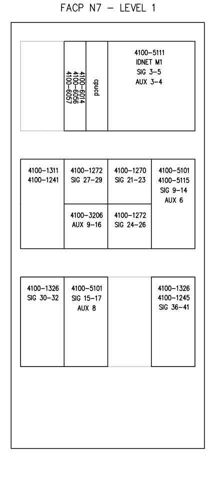
ALL WIRING TO BE CLASS B.

THE EXISTING FIRE ALARM SYSTEM SHALL NOT NE DISCONNECTED OR TAKEN OUT OF SERVICE WITHOUT WRITTEN PERMISSION FROM THE OWNER. IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE WITH THE OWNER THE TIMING OF ANY EXISTING FIRE ALARM SYSTEM DEMOLITION WORK.

NDU N6 - LEVEL 1



FACP N7 - LEVEL 1



STROBE AND SPEAKER IDENTIFICATION

25/25
SPEAKER CIRCUIT
STROBE CIRCUIT
TAP SPEAKER AT 25V 1/2 WATT UNLESS OTHERWISE NOTED.

ADDRESSABLE DETECTOR IDENTIFICATION

Nx:Mx-x
NODE #
DEVICE #
IDNET CHANNEL #

Wire Code

Letter	Qty	Color/Type	Size	Function
A	2	Black/Orange TFN	16	Zone
C	2	Red/Blue THHN	14	Horn/Strobe
D	4	(2) Red/(2) Blue THHN	14	Horn/Strobe Loop
E	2	Brown/Yellow THHN	14	Door Holders
F	2	Orange THHN	14	Fan Shutdown
H	1	WestPenn D975	18	Serial Communication
	2	Red/Black THHN	14	
J	1	WestPenn 991	16	Speaker
K	2	WestPenn 991	16	Speaker Loop
L	1	WestPenn 5220FZ	16	Local Network Connection**
	1	WestPenn 5220FZ	16	
M	1	WestPenn 5220FZ	16	Miniplex Transponder**
	1	WestPenn 5220FZ	16	
	1	WestPenn 5120UZ	14	
N	2	WestPenn D975	18	Network Connection
P	2	Red/Black THHN	14	24VDC Power
R	2	Blue/White TFN	16	Remote LED w/Test
	2	Pink TFN	16	
T	1	WestPenn 991	16	Fire Fighter Telephone
V	1	WestPenn D977	18	Printer
X	1	WestPenn D975	18	Addressable Data Line

** 2-hr cable for survivablity

ELECTRICAL CONTRACTOR

- ELECTRICAL CONTRACTOR IS TO SCHEDULE A PRELIMINARY SITE MEETING WITH A JOHNSON CONTROLS TECHNICAL REPRESENTATIVE. THESE MEETINGS ARE FOR REVIEWING EQUIPMENT LISTS, INSTALLATION PROCEDURES, AND PROVIDING ANSWERS TO QUESTIONS RELATIVE TO SYSTEM INSTALLATION.
- PLEASE ALLOW A MINIMUM OF FIVE WORKING DAYS ADVANCE NOTICE TO SCHEDULE A TECHNICAL REPRESENTATIVE.
- TO SCHEDULE A MEETING PLEASE CONTACT OUR TECHNICIAN SCHEDULER AT (206) 777-4860
- DO NOT USE FIRE ALARM CABINET AS TERMINAL CABINET

ELECTRICAL CONTRACTOR ASBUILTS

- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING JOHNSON CONTROLS WITH ACCURATE REDLINED DRAWINGS. DRAWINGS SHALL BE REDLINED AS NECESSARY TO SHOW THE FOLLOWING:
  * DEVICE LOCATIONS - ADDS/DELETES.
  * CIRCUIT NUMBERS - ADDRESSABLE/SIGNAL/AUXILIARY/ZONE.
  * WIRE/CONDUIT - ACCURATE ROUTING.
  * WIRE FILL - USING WIRE CODE.
  * EOL RESISTOR LOCATIONS.

JOHNSON CONTROLS WILL PROVIDE (UPON REQUEST) A BLANK SET OF FLOOR PLANS TO BE REDLINED. JOHNSON CONTROLS WILL INCORPORATE ALL REDLINED CHANGES INTO THE RECORD AUTOCAD SET OF DRAWINGS.

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Johnson Controls
9520 10th Avenue South, Suite 100
Seattle, WA 98108
SALES: 206-291-1400
SERVICE: 206-291-1411
FAX: 206-291-1500

NO.	DATE	REVISION DESCRIPTION	DRAFTER	ENGINEER	PROJECT #
45	6/27/18	DUCT DETECTOR CHANGE ORDER	SSS	AMW	600595222
	8/28/18	PATIENT CARE TOWER 7TH & 8TH FLR TI RECORD DRAWINGS	RSC		600595222
46	1/23/19	DAILY PHARMACY	RSC	JWB	610318224
	9/20/19	DAILY PHARMACY RECORD DRAWINGs	RSC		610318224
47	9/21/22	EGRESS DOORS	DAP	EQB	650169145

* SEE REVISION LIST ON TITLE SHEET FA-COV-01

DRAWINGS REVIEWED BY:
Eric Beck, CET
NICET #228884
Fire Alarm Systems, Level III

FIRE ALARM SYSTEM COVER SHEET

GOOD SAMARITAN - PATIENT CARE TOWER
401 15TH AVENUE SE
PUYALLUP, WA 98371

APPROVED BY: C. McCAMMON
DRAWN BY: C. McCAMMON
DATE: 8/12/09
SITE/PROJECT NUMBER: 458413141/943123501

ELECTRONIC DRAWING NAME: FA-COVER

SHEET NUMBER: FA-COV-02

42" x 30"