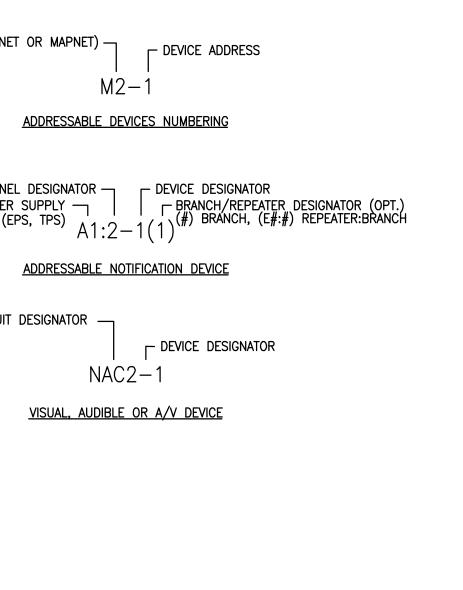
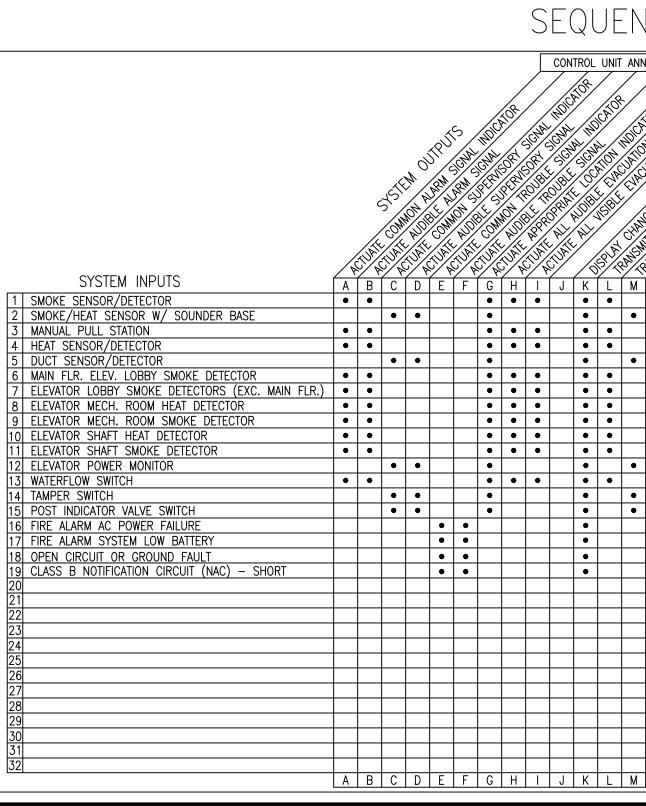
R DEVICES WHICH ARE AFFECTED BY ANY IE RECORD DRAWINGS. JOB SITE AND SHALL BE USED FOR PLIES SHALL BE ON A DEDICATED 120V, 20A PROVISION AND SHALL BE IDENTIFIED AS "FIRE MEANS (CIRCUIT REFACED) SHALL PE	 DEVIATIONS IN THE WORK SHOWN, THE CONTRACTOR SHALL CONTACT SIMPLEXGRINNELL IN A TIMELY MANNER SO AS NOT TO IMPAIR THE CONSTRUCTION SCHEDULE. CONTRACTOR IS RESPONSIBLE FOR MAKING AND OBTAINING APPROVAL FOR ALL NECESSARY ADJUSTMENTS IN CIRCUITING AS REQUIRED TO ACCOMMODATE THE RELOCATION OF EQUIPMENT AND/OR DEVICES WHICH ARE AFFECTED BY ANY AUTHORIZED CHANGE. ALL CHANGES SHALL BE CLEARLY INDICATED ON THE RECORD DRAWINGS. A STAMPED SET OF APPROVED FIRE ALARM DRAWINGS SHALL BE AT THE JOB SITE AND SHALL BE USED FOR INSTALLATION. THE POWER CIRCUIT TO THE FACP AND TO THE FIRE ALARM POWER SUPPLIES SHALL BE ON A DEDICATED 120V, 20A BRANCH CIRCUIT BREAKER, AND SHALL HAVE A RED MARKING, LOCK-ON PROVISION AND SHALL BE IDENTIFIED AS "FIRE 			2. S 2. S 3. C 4. A 4. II 5. T E	
AND WORKMAN LIKE MANNER. D SIMPLEXGRINNELL TECHNICAL REPRESENTATIVE. D AND ACCEPTED SHALL BE COVERED TO HEADS SHALL BE THE RESPONSIBILITY OF THE TY OF ALL WALL, CEILING, AND ROOF R'S INSTRUCTIONS. POWER LIMITED AND ENCLOSURE IN ACCORDANCE WITH PRIATE SECTION OF NEC 760. MARK ALL FIRE	 ALARM CIRCUIT CONTROL." THE LOCATION OF THE CIRCUIT DISCONNECT MEANS (CIRCUIT BREAKER) SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT. UPDATE THE AS-BUILT DRAWING SET DAILY WITH JOB PROGRESS. RETURN THE AS-BUILT DRAWING SET TO SIMPLEXGRINNELL NO LATER THAN 7 DAYS AFTER FINAL TEST. THE CONTRACTOR WILL MAINTAIN ALL AREAS OF THE BUILDING IN A NEAT AND WORKMAN LIKE MANNER. DO NOT APPLY POWER EXCEPT IN THE PRESENCE OF A FACTORY TRAINED SIMPLEXGRINNELL TECHNICAL REPRESENTATIVE. ANY SMOKE DETECTOR HEAD INSTALLED BEFORE THE BUILDING IS CLEANED AND ACCEPTED SHALL BE COVERED TO PROTECT FROM DUST. ANY FALSE ALARMS DUE TO DIRT CONTAMINATED HEADS SHALL BE THE RESPONSIBILITY OF THE FIRE ALARM INSTALLER. THE FIRE ALARM INSTALLER. THE FIRE ALARM INSTALLER WILL MAINTAIN THE FIRE RESISTANCE INTEGRITY OF ALL WALL, CEILING, AND ROOF ASSEMBLIES ANY TIME THAT WORK IS NOT ACTIVELY BEING PERFORMED. INSTALLATION OF DEVICES SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. POWER LIMITED AND NON-POWER LIMITED FIELD WIRING MUST BE INSTALLED WITHIN THE FACP ENCLOSURE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. POWER LIMITED AND NON-POWER LIMITED FIELD WIRING MUST BE INSTALLED WITHIN THE FACP ENCLOSURE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. FOWER LIMITED AND NON-POWER LIMITED FIELD WIRING MUST BE INSTALLED WITHIN THE FACP ENCLOSURE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. AND NEC. ALL WIRING SHALL BE INSTALLED ACCORDING TO NFPA 70 (NEC). FIRE ALARM CIRCUITS SHALL BE IDENTIFIED IN ACCORDANCE WITH APPROPRIATE SECTION OF NEC 760. MARK ALL FIRE 				
TED AND NON-POWER LIMITED WIRE. SED FOR ENVIRONMENTAL AIR SHALL BE TYPE DRE THAN ONE FLOOR OR CABLES INSTALLED IN	THER SPACES USED FOR ENVIR	ED IN DUCTS, PLENUM, AND (ED IN THE VERTICAL RUNS AN	FIRE ALARM CABLE INSTALLI FPLP. FIRE ALARM CABLE INSTALLI	14 F F 15. F	
THE WIRE. NATIONAL ELECTRIC CODE (NFPA 70), RING. ELEVATOR CODE ASHE A.17.1, 2000 DEEMED NECESSARY, HOWEVER, ANY EXISTING ND CODES. SIMPLEXGRINNELL MAKES NO	AND RUN OUTDOOR SHALL BE LICABLE. E OF SHORTS AND GROUNDS. ULL LENGTH OF THE WIRE. IT. LOW VOLTAGE WIRING. REQUIREMENTS. CONTRACTOR AS DEEMED NECES NT STANDARDS AND CODES. SIM	D IN UNDERGROUND CONDUCT DING BEYOND ONE BUILDING O, 725 AND 800 WHERE APP ELDS MUST BE DRY AND FREI HAVE SHIELD CONTINUITY AT F BE RUN IN THE SAME CONDUCT IN THE SAME CONDUCT WITH DUIT FILL RATIO AS PER NEC USED BY THE INSTALLATION	LOCATIONS. FIRE ALARM CIRCUITS EXTEN NFPA 70 ARTICLES 760, 77 ALL WIRING, INCLUDING SHI ALL SHIELDED WIRE MUST H ONLY SYSTEM WIRING CAN 120VAC IS NOT PERMITTED MAINTAIN 40 PERCENT CON EXISTING CONDUITS MAY BE CONDUIT WILL BE USED ON	16. F L 17. F N 18. A 19. A 20. C 21. 1 22. M 23. E	
JURISDICTIONS WITHIN THE STATE MAY HAVE AMENDMENTS TO THE STAT CHECK WITH THE LOCAL JURISDICTION AUTHORITY FOR MORE DETAILS.					
JLE ABBR	CHEDULE	WIRE S			
	1 WIRE LIST single conductor(thhn,tffn)		CIRCUIT DESCRIPTION		
SG ANIX./PAIGE 454719ARE AREA= 0.0333 SQ. INCH ANIXTER PART NUMBER FA-1402C-1-2N-03 SG ANIX./PAIGE 740214L XP = EXPLOSION PROOF H = HIGH HUMIDITY AFF = ABOVE FINISHED FLOOR AHJ = AUTHORITY HAVING JURISDICTION ALM = ALARM		SG ANIX./PAIGE 454718ARE AREA=0.0380 SQ. INCH ANIXTER PART NUMBER FA-1402C-1-1N-03-BX SG ANIX./PAIGE 740215 AREA=0.0196 SQ. INCH	ADDRESSABLE NOTIFICATION CIRCUIT 14 AWG SOLID UNSHIELDED TWISTED PAIR RUI/N2 COMMUNICATION	B F	
ANIXTER PART NUMBER FAMC-1802C-1-2S-03B5 SG ANIX./PAIGE 740132R AREA=0.0141 SQ. INCH BMS = BUILDING MANAGEMENT SYSTEM CBC = CALIFORNIA BUILDING CODE CD = (eg. 15CD) CANDELA CSFM = CALIFORNIA STATE FIRE MARSH. DET = DETECTOR		ANIXTER PART NUMBER T740215 SG ANIX./PAIGE 454703ARE AREA=0.0204 SQ. INCH	1 PAIR 18 AWG TWISTED OVERALL SHIELD CITY CONNECT CIRCUIT 2 CONDUCTOR 18 AWG	C C	
ANIXTER PART NUMBER FA-1802C-1-2N-03 GE 741223 SQ. INCH ANIXTER PART NUMBER FA-1802C-1-2N-03 DGP = DATA GATHERING PANEL EOL = END OF LINE EPO = EMERGENCY POWER OFF FACP = FIRE ALARM CONTROL PANEL FATC = FIRE ALARM TERMINAL CABINET FBO = FURNISHED BY OTHERS FCC = FIRE COMMAND CENTER	SG ANIX./PAIGE 741223 AREA=0.0115 SQ. INCH	ANIXTER PART NUMBER FA-1802C-1-1N-03-BX	SOLID GROUND WIRE (BOND WIRE) – 1 CONDUCTOR 12 AWG SOLID (GREEN)	GO	
	(4) #18 AWG AREA=0.0055 SQ. INCH (EACH)	SG ANIX./PAIGE 454703ARE AREA=0.0204 SQ. INCH ANIXTER PART NUMBER FA-1802C-1-1N-03-BX	REMOTE TEST SWITCH/ LED CIRCUIT – (2) 2 CONDUCTOR 18 AWG SOLID	L	
	(2) #18 AWG AREA=0.0055 SQ. INCH (EACH)	FA-1802C-1-1N-03-BX	REMOTE LED CIRCUIT 2 CONDUCTOR 18 AWG SOLID		
SG ANIX./PAIGE 740132R AREA=0.0141 SQ. INCH ANIXTER PART NUMBER FA-1802C-1-2N-03 SG ANIX./PAIGE 454719ARE		SG ANIX./PAIGE 454703ARE AREA=0.0204 SQ. INCH ANIXTER PART NUMBER FA-1802C-1-1N-03-BX	IDNET CIRCUIT – 1 PAIR 18 AWG UNSHIELDED TWISTED (SUBSCRIPT "u" IF MIXED w/SHIELDED) POWER CIRCUIT	11 11 11 P F	
SG ANIX./PAIGE 454719ARE	(2) #14 AWG AREA=0.0097 SQ. INCH (EACH)	SG ANIX./PAIGE 454718ARE	2 CONDUCTOR 14 AWG SOLID (SUBSCRIPT "r" IF RESETTABLE) RELAY CIRCUIT	1 " R F	
	(2) #14 AWG AREA=0.0097 SQ. INCH (EACH)	AREA=0.0380 SQ. INCH ANIXTER PART NUMBER FA-1402C-1-1N-03-BX	2 CONDUCTOR 14 AWG SOLID	1	
	(2) #14 AWG AREA=0.0097 SQ. INCH (EACH)		VISUAL/SIGNAL CIRCUIT 2 CONDUCTOR 14 AWG SOLID		
	(2) #18 AWG AREA=0.0055 SQ. INCH (EACH) CONDUIT SIZE	CONDUCTOR AREA	ZONE CIRCUIT 2 CONDUCTOR 18 AWG SOLID CONDUIT SIZE	- 2	
	1 - 1/4" 1 - 1/2" 2"	0.12 SQ INCH * 0.21 SQ INCH * 0.34 SQ INCH * * 40% FIL	1/2" 3/4" 1"		

ESCRIPTION / SCOPE OF WORK		S
	FIRE AL/	ARN
RESIDENTIAL GROUP	SYMBOL DESCRIPTION	
NOWN	F MANUAL PULL STATION	
TC AND MANUAL FIRE ALARM SYSTEM AS SHOWN ON DRAWINGS.	HEAT SENSOR / BASE	
IS STYLE Y FOR NOTIFICATION APPLIANCE CIRCUITS, STYLE B FOR INITIATING DEVICE CIRCUITS, RCUITS.		
TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING SHALL BE LISTED AS EITHER UUFX OR UUJS UNDERWRITERS LABORATORY OR SHALL MEET THE	SMOKE SENSOR, WITH CO SENSOR BASE	
RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES		
	DUCT SMOKE SENSOR	
	INDIVIDUAL ADDRESSABLE MODULE	
	RELAY IAM	~
APPLICABLE CODES & STANDARDS	$\overrightarrow{B}^{\#}$ $WALL MOUNT MULTI-CANDELA HORN/STROBE, WHITE \# = CANDELA RATING$	
	WALL MOUNT MULTI-CANDELA STROBE ONLY, WHITE # = CANDELA RATING	
101), 1997 EDITION	WALL MOUNT MULTI-CANDELA WEATHERPROOF STROBE ONLY, W 75 CANDELA RATING	VHITE
(NFPA 70), 2002 EDITION 7.1, 2000 ADDENDA A17.1.A, 2002 EDITION	ÉND-OF-LINE RESISTOR 3.3K (EOL) END-OF-LINE RESISTOR 4.7K (EOL) END-OF-LINE RESISTOR 6.8K (EOL) END-OF-LINE RESISTOR 10K (EOL)	~
	REMOTE TEST STATION W/ LED AND KEY SWITCH	
TO THE STATE ADOPTED CODE. DRE DETAILS.	FACP FIRE ALARM CONTROL PANEL	
BBREVIATIONS LEGEND	FAA SERIAL LCD ANNUNCIATOR	
HT = HEIGHT HVAC = HEATING, VENTILATION, & AIR CONDITIONING IMS = INFORMATION MANAGEMENT SYSTEM MAX = MAXIMUM	T4M TEMPORAL CODE 4 MODULE	
MIN = MINIMUM ND REPLACE W/NEW NAC = NOT APPLICABLE NAC = NOTIFICATION APPLIANCE CIRCUIT EXTENDER NDU = NETWORK DISPLAY UNIT	OOR HOLDER	
NEC = NATIONAL ELECTRICAL CODE NFPA = NATIONAL FIRE PROTECTION ASSOCIATION NIC = NOT IN CONTRACT NPU = NETWORK PROCESSING UNIT	TAC# FIRE ALARM TERMINAL CABINET	
NTS = NOT TO SCALE $PAP = PRE-ACTION PANEL$	SMOKE SENSOR / BASE	
NT SYSTEM SCC = STATUS COMMAND CENTER S CODE SLC = SIGNALING LINE CIRCUIT SMK = SMOKE SMK = SMOKE	$ \begin{array}{c} \textbf{(2)} \\ \textbf{R} = \textbf{LED BASE} \\ \textbf{R} = \textbf{RELAY BASE} \end{array} $	
A SIME SIME SIME SUPV = SUPERVISORY TAC = TRUEALERT ADDRESSABLE CONTROLLER	ISO = ISOLATOR BASE	
NEL TRBL = TROUBLE TS = TAMPER SWITCH TYP = TYPICAL	ENCAPSULATED RELAY	
L PANEL UON = UNLESS OTHERWISE NOTED	AREA RESCUE – MASTER STATION PANEL	
VT = VALVE TAMPER $VF = WATER FLOW$ $VF = (eg. 1/2W) WATT$ $W/ = WITH$ $W/ = WITH$	Image: WP Image: Total and the second state of the seco	WHITE
W/O = WITH OUT	SEQUE	 [N(
	CONTROL UNIT	





	YMBOL KEY		
FIRE ALARN DESCRIPTION	A SYMBOLS LEGEND		
L PULL STATION	MODEL# SIMPLEX 4099–9003	BACKBOX SINGLE GANG BOX 2 1/2" DEEP	
SENSOR / BASE	SIMPLEX 4098-9733	4" OCTAGONAL BOX 1 1/2" DEEP	Tyco. The second s
SENSOR, WITH CO SENSOR BASE	SIMPLEX 4098-9714		anter.
INTEGRAL SOUNDER	SIMPLEX 4098–9771 BASE	4" OCTAGONAL BOX 1 1/2" DEEP	Safer. Sma
SMOKE SENSOR	SIMPLEX 4098-9756	MOUNT TO DUCTWORK	
UAL ADDRESSABLE MODULE	SIMPLEX 4090-9001	SINGLE GANG BOX 2 1/2" DEEP WITH COVER	
IAM	SIMPLEX 4090-9002	4" SQUARE BOX 2 1/8" DEEP W/TWO GANG COVER	
MOUNT MULTI-CANDELA HORN/STROBE, WHITE CANDELA RATING	SIMPLEX 49AV-WWF	4" SQUARE BOX 1 1/2" DEEP W/4905–9940 ADAPTER SKIRT WHEN SURFACE MOUNTED	
MOUNT MULTI-CANDELA STROBE ONLY, WHITE CANDELA RATING	SIMPLEX 49VO-WWF	4" SQUARE BOX 1 1/2" DEEP W/4905–9940 ADAPTER SKIRT WHEN SURFACE MOUNTED	
MOUNT MULTI-CANDELA WEATHERPROOF STROBE ONLY, WHITE NDELA RATING	SIMPLEX 49VO-WWFO	49WPBB-AVVOWW BACK BOX SUPPLIED BY SIMPLEXGRINNELL	
PF-LINE RESISTOR 3.3K (EOL) PF-LINE RESISTOR 4.7K (EOL) PF-LINE RESISTOR 6.8K (EOL) PF-LINE RESISTOR 10K (EOL)	SIMPLEX 4081-9002 SIMPLEX 4081-9003 SIMPLEX 4081-9004 SIMPLEX 4081-9008	SUPPLIED BY OTHERS	
E TEST STATION W/ LED AND KEY SWITCH	SIMPLEX 2098-9806	SINGLE GANG BOX 2 1/2" DEEP	
LARM CONTROL PANEL	SIMPLEX 4100-9111		
LCD ANNUNCIATOR	SIMPLEX 4603-9101	6 GANG BOX 3 1/2" DEEP	
RAL CODE 4 MODULE	SIMPLEX 4905-9835	4" SQUARE BACK BOX, 2 1/8" DEEP	
HOLDER	SUPPLIED BY OTHERS	SUPPLIED BY OTHERS	
LARM TERMINAL CABINET	4905–9950	SUPPLIED BY OTHERS	
E SENSOR / BASE ED BASE RELAY BASE ISOLATOR BASE	SIMPLEX 4098–9789 BASE SIMPLEX 4098–9791 BASE	4" OCTAGONAL BOX 1 1/2" DEEP 4" OCTAGONAL BOX 1 1/2" DEEP 4" OCTAGONAL BOX 1 1/2" DEEP W/ 1 1/2" EXT RING 4" OCTAGONAL BOX 1 1/2" DEEP	HOT BE BE
SULATED RELAY	SIMPLEX 4098-9843	SINGLE GANG BOX 2 1/8" DEEP W/COVER	S HOTI S HOTI
RESCUE – MASTER STATION PANEL RESCUE – ASSISTANCE REMOTE STATION		SUPPLIED BY OTHERS SUPPLIED BY OTHERS	PRESS 119 EX(
MOUNT MULTI-CANDELA WEATHERPROOF HORN/STROBE, WHITE		49WPBB-AVVOWW BACK BOX SUPPLIED BY SIMPLEXGRINNELL	EEW pool
NDELA RATING SEOLIEN(CE OF OPERA	L] TION	shown with A syr
CONTROL UNIT ANNUI	ICIATION NOTIFICATION	FIRE SAFETY CONTROL	Revisions s
OUT OUT <td></td> <td></td> <td>CAD CHK DESCRIPTION UD KG REVISED PER ENGINEERS</td>			CAD CHK DESCRIPTION UD KG REVISED PER ENGINEERS
Image: Constraint of the state of the st		Image: state	
• •		• • • • 10 • • • • • 11 • • • • 12	DRAWN BY: JD CHECKED BY: KG ISSUE DATE: 4/24/14
			JOB #: 977465501 PROJECT #: 147:PRE-BOC SIMPLEXGRINNELL © 2013
			SYSTEM: FIRE ALARM SYSTEM
		20 21 22 23 24 25	GENERAL INFORMATIO
		26 27 28 29	
Image: A interview Image: A	N O P Q R S T U V	Image: Second system Image: Second system <td< td=""><td>FA-002</td></td<>	FA-002

207-842-644 207-842-643 PHC FXE 20 THOMAS DRIVE WESTBROOK, ME 04092 SERVICE: 207-842-6440 ST PRESS HOTEL 119 EXCHANGE S PORTLAND, ME 4/24/14 977465501 147:PRE-BOOKED NNELL © 2013 LARM SYSTEM AL INFORMATION