FIRE ALARM NOTES:

1. SPEAKER CIRCUITS ARE INDICATED ON RISER DIAGRAM AND SYSTEM DESIGN DRAWINGS BY SUBSCRIPT S–1,2,3, ETC.; PLEASE REFER TO RISER AND SYSTEM LAYOUT DRAWINGS FOR LOCATION OF DEVICES.
2. 24VDC STROBE CIRCUITS ARE INDICATED ON RISER DIAGRAM AND SYSTEM DESIGN DRAWINGS BY SUB–SCRIPT V–1, 2, 3, ETC.; PLEASE REFER TO RISER AND SYSTEM LAYOUT DRAWINGS FOR LOCATION OF DEVICES.
3. ALL SPEAKERS ARE TO BE SET FOR 25 VOLT OPERATION AND SPEAKER WATTAGES ARE AS SHOWN ON THE SYSTEM DESIGN DRAWINGS.
4. ALL SPEAKERS ARE TO BE MOUNTED IN A FOUR (4) INCH SQUARE x 2–1/8 INCH DEEP BACKBOX WITH NO EXTENSION RING REQUIRED. THE SHIELD SHOULD BE TWISTED TOGETHER AND TAPED SECURELY IN EACH BACK BOX IN ORDER TO AVOID SHORTS AND GROUNDS WITHIN THE SYSTEM SPEAKER CIRCUITS.
5. THE SIGNAL CIRCUITS ARE TO BE WIRED AND INSTALLED WITH NO DEVIATION TO THE FIRE ALARM SYSTEM RISER DIAGRAM AND LAYOUT DRAWINGS DUE TO CIRCUIT AMPERAGE RESTRICTIONS WITHOUT FIRST DISCUSSING WITH AND OBTAINING APPROVAL FROM BK SYSTEMS, INC.
6. THE LOCATIONS OF INTERIOR AND EXTERIOR AUDIO/VISUAL DEVICES SHOWN ON THE DRAWINGS HAVE BEEN LOCATED IN ACCORDANCE WITH NFPA 72. UNDER NO CIRCUMSTANCES SHALL THE ELECTRICAL CONTRACTOR CHANGE THE LOCATIONS OF ANY OF THESE DEVICES WITHOUT FIRST DISCUSSING WITH AND OBTAINING APPROVAL FROM BK SYSTEMS, INC. IF THE ELECTRICAL CONTRACTOR INSTALLS ANY OF THESE DEVICES IN LOCATIONS OTHER THAN AS SHOWN ON THE CONTRACT DOCUMENTS, THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH RELOCATING, PATCHING AND PAINTING WHERE DEVICES HAD BEEN Iimproperly INSTALLED.
7. THE END–OF–LINE DEVICES MUST BE LOCATED IN A COMMON AREA ONLY.
8. NO "T" TAPPING ALLOWED ON ANY CIRCUITS.
9. NO WIRING OR CONDUITS TO ENTER OR EXIT FROM TOP LEFT CORNER OF THE FIRE ALARM CONTROL PANEL DUE TO LOCATIONS OF POWER SUPPLIES. NO WIRING OR CONDUITS TO ENTER OR EXIT THROUGH THE BOTTOM OF THE FIRE ALARM CONTROL PANEL EXCEPT FOR BATTERY BOX CONNECTIONS. ALL CONDUITS THAT ENTER THE CONTROL PANEL SHALL BE NO LARGER THAN ONE (1) INCH.
10. ALL SMOKE AND HEAT DETECTORS SHALL BE LOCATED A MINIMUM OF 3'–0" AWAY FROM ALL SUPPLY AIR DIFFUSERS.

FIRE ALARM LEGEND

FACP	INTELLIGENT ADDRESSABLE FIRE ALARM CONTROL PANEL (NOTIFIER #NFS2–640)
BAT	BATTERY CABINET (NOTIFIER #NFS–LBBR)
FCPS	FIRE CONTROL POWER SUPPLY WITH BATTERY BACKUP (HONEYWELL #HPFF8)
EX RT	RADIO TRANSMITTER BOX (AES #7788F)
EX NION	NETWORK COMMUNICATION MODULE (NOTIFIER #NION)
EX DOC	EXISTING DOCUMENT BOX
K EX	EXISTING KNOX BOX
F	ADDRESSABLE DUAL ACTION MANUAL PULL STATION (NOTIFIER #NBG–12LX)
SD	ADDRESSABLE SMOKE DETECTOR (NOTIFIER #FSP–851 WITH #B210LP BASE)
SD	ADDRESSABLE DUCT SMOKE DETECTOR (NOTIFIER #DNR WITH FST–851R AND #ST–3 SAMPLING TUBE)
FT	ADDRESSABLE 135° F.T. HEAT DETECTOR (NOTIFIER #FST–851 WITH #B210LP BASE)
MM	ADDRESSABLE MONITOR MODULE (NOTIFIER #FMM–1)
MM	ADDRESSABLE MINI MONITOR MODULE (NOTIFIER #FMM–101)
RM	ADDRESSABLE RELAY MODULE (NOTIFIER #FRM–1)
RT	REMOTE TEST STATION (NOTIFIER #RTS151)
S	24VDC SYNC. MULT–CANDELA SPEAKER/ STROBE (NOTIFIER #SPSW)
S	CEILING 24VDC SYNC. MULT–CANDELA SPEAKER/STROBE (NOTIFIER #SPSCW)
S	24VDC SYNCHRONIZED MULTI–CANDELA STROBE (NOTIFIER #SW)
	NOTE: SET CANDELA RATING OF ALL SPEAKER/STROBES AND STROBES AS SHOWN ON SYSTEM DESIGN DRAWINGS.
	24VDC WALL MOUNT MAGNETIC DOOR HOLDERS (NOTIFIER #FM–998)
• PS	SPRINKLER SYSTEM WATER FLOW SWITCH
• TS	SPRINKLER SYSTEM TAMPER SWITCH
• PS	SPRINKLER SYSTEM PRESSURE SWITCH
EOLR	END–OF–LINE–RESISTOR
—//—	TICKS DENOTES NUMBER OF #14 FPLR FIRE ALARM RATED CONDUCTORS
•	DEVICE TO BE FURNISHED AND INSTALLED BY OTHERS BUT WIRED BY THE E.C.

NOTE: THE SPECIFIED FIRE ALARM SYSTEM AND PERIPHERAL DEVICES SHALL BE NOTIFIER AS FURNISHED BY:
BK SYSTEMS, INC.
4 COTE AVENUE
GOFFSTOWN, NH 03045
TELEPHONE: 603–647–8775
FAX: 603–647–4806
EMAIL: NIKWEBSTER@BKSYSTEMSINC.COM

☐ 1 - Reviewed, No Exception Taken	
☒ 2 - Reviewed, Revise as Noted	WBRC ARCHITECTS • ENGINEERS
☐ 3 - Revise and Resubmit	
☐ 4 - Rejected	
☐ 5 - Other, Held for Record, Not Reviewed	

This review is only for general conformance with the design concept and the information given in the Contract Documents. Corrections or comments made on the shop drawings during this review do not relieve the Contractor from compliance with the requirements of the Contract Documents and applicable laws, codes and regulations. Review of a specific item shall not indicate acceptance of assembly of which the item is a component. The contractor is responsible for: dimensions to be confirmed and correlated at the jobsite; information that pertains solely to the fabrication; processes, means, methods, techniques, sequences and procedures of construction; coordination of the Work with that of all trades and performing at Work in a safe and satisfactory manner.

REVIEWER: Stephanie J. Laplant, P.E. DATE: 07.03.13

Refer to marked comments in this submittal for minor labeling revisions.

FIRE ALARM SEQUENCE OF OPERATION MATRIX

SYSTEM OUTPUTS: ACDU SUMMER RUN; ANNUNCIATOR AT FACP; ANNUNCIATOR, NETWORK OUT; ELEVATOR CONTROL PANEL; ELEV. POWER SHUTDOWN; ELEV. RECALL; ELEV. RECALL AT FCP; ANNUNCIATOR, NETWORK OUT; ELEVATOR CONTROL PANEL; ELEV. POWER SHUTDOWN; ELEV. RECALL; ELEV. RECALL AT FCP; ELEV. PRIMARY RECALL; ELEV. ALT. RECALL; ELEV. HAT; ELEV. SHUNT TRIP; ELEV. PRIMARY RECALL; ELEV. ALT. RECALL; ELEV. HAT; ELEV. SHUNT TRIP; HVAC RECALL; HVAC RECALL AT FCP; HVAC RECALL; HVAC RECALL AT FCP; HVAC RECALL; HVAC RECALL AT FC