SYMBOL LEGEND

DEVICES		DEVICES PROVIDED BY OTHERS	
F	PULL STATION (XP = EXPLOSION PROOF)	ARM	RELAY MODULE
	SMOKE DETECTOR	AIM	MONITOR MODULE (M=MINI, D=DUAL)
	HEAT DETECTOR	FS	SPRINKLER FLOW SWITCH
CO	CARBON MONOXIDE DETECTOR	TS	SPRINKLER TAMPER SWITCH
	DUCT DETECTOR	PS	SPRINKLER PRESSURE SWITCH
RTS	REMOTE TEST SWITCH		

NOTIFICATION

HS XX	HORN STROBE	S XX	STROBE

XX = CANDELA RATING WP = WEATHERPROOF
XP = EXPLOSION PROOF

WIRE LEGEND

- A — 2 COND 16 AWG TWISTED PAIR FPL CABLE
- B — 2 COND 14 AWG FPL CABLE
- C — 2 COND 18 AWG TWISTED PAIR FPL CABLE
- D — CAT-6 CABLE

DEVICE ADDRESSES:

EACH DEVICE MUST BE LABELED WITH THE LOOP AND SLC ADDRESS.
DEVICE EXAMPLE: L1D001 MODULE EXAMPLE: L1M001
IMPORTANT! DUPLICATE ADDRESSES BETWEEN DEVICES AND MODULES ARE NOT AN ERROR. NOTE: PULL STATIONS ARE IDENTIFIED AS MODULES BY THE FIRE ALARM CONTROL PANEL.

INSTALLATION NOTES:

ALL FIELD WIRING SHALL BE INSTALLED IN CONDUIT.

FIELD WIRING SHALL BE INSTALLED FOLLOWING THE CURRENT EDITION OF **NFPA 70: NATIONAL ELECTRIC CODE(2014)**, ALL APPLICABLE **MUNICIPAL, COUNTY, & STATE CODES, REQUIREMENTS, AND REGULATIONS,** AS WELL AS ALL **MANUFACTURER GUIDELINES FOR INSTALLATION**.

CONTROL PANELS, DEVICES, AND ALL OTHER SYSTEM COMPONENTS SHALL BE INSTALLED FOLLOWING THE CURRENT EDITION OF **NFPA 72: NATIONAL FIRE ALARM AND SIGNALING CODE(2013)**, ALL APPLICABLE **MUNICIPAL, COUNTY, & STATE CODES, REQUIREMENTS, AND REGULATIONS,** AS WELL AS ALL **MANUFACTURER GUIDELINES FOR INSTALLATION**.

THE INSTALLER SHALL FOLLOW CORRECT CONDUCTOR POLARITY, INDICATED CIRCUIT DIVISIONS, PROPER GROUNDING AND SHIELDING WITHOUT EXCEPTION. IMPROPER INSTALLATION CAN RESULT IN INTERFERENCE, TRANSIENT VOLTAGE, OR SHORT CIRCUITS CAUSING UNDESIRED OPERATION OR DAMAGE TO THE CONTROL PANEL, DEVICES AND ANY OTHER INTEGRATED COMPONENTS.

IF EXCEEDING 4500 FEET, THE GAUGE OF WIRE USED FOR THE SLC LOOP (IDENTIFIED AS "A" ON THIS PRINT), SHALL BE DETERMINED BY THE INSTALLER FOLLOWING GUIDELINES AND LIMITATIONS SET FORTH BY THE MANUFACTURER(NOTIFIER DOCUMENT #51253, *INTELLIGENT CONTROL PANEL SLC WIRING MANUAL*). THE SLC WIRING RISER IS SHOWN DIAGRAMMATICALLY ONLY TO ALLOW FOR VARIANCES IN ACTUAL WIRE DISTANCE, DEVICE PLACEMENT AND STRUCTURAL OR ENVIRONMENTAL REQUIREMENTS.

WIRE FOR THE NOTIFICATION APPLIANCE CIRCUITS (IDENTIFIED AS "B" ON THIS PRINT), SHALL FOLLOW THE SPECIFIC REQUIREMENTS OF THE **WIRING LEGEND**.

ANY T-TAPPING OF SLC WIRING SHALL FOLLOW ALL REQUIREMENTS IN NOTIFIER DOCUMENT #51253, *INTELLIGENT CONTROL PANEL SLC WIRING MANUAL*.

THIS SYSTEM MEETS NFPA REQUIREMENTS FOR OPERATION AT 32-120°F AND A RELATIVE HUMIDITY OF 91-95% AT 87-93°F. HOWEVER, THE USEFUL LIFE OF THE SYSTEM'S STANDBY BATTERIES AND THE ELECTRONIC COMPONENTS MAY BE ADVERSELY AFFECTED BY EXTREME TEMPERATURE RANGES AND HUMIDITY. THEREFORE, IT IS RECOMMENDED THAT THIS SYSTEM AND ITS PERIPHERALS BE INSTALLED IN AN ENVIRONMENT WITH A NORMAL ROOM TEMPERATURE OF 60-80°F.

DESIGN NOTES:

SYSTEM DESIGN PERFORMANCE AND COMPLIANCE WITH ALL APPLICABLE CODES AND REQUIREMENTS IS THE RESPONSIBILITY OF THE DESIGNING ENGINEER. PROPER INSTALLATION OF THIS SYSTEM AND ITS COMPONENTS IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR. ANY ALTERATIONS, CHANGES, OR DEFICIENCIES MUST BE BROUGHT TO THE ATTENTION OF THE DESIGNING ENGINEER.

NORRIS INC. ASSUMES NO RESPONSIBILITY FOR ERRORS IN SYSTEM DESIGN OR INSTALLATION, AS WELL AS ANY COSTS ASSOCIATED WITH CORRECTING THESE ERRORS, IF ANY EXIST. UNLESS SYSTEM DESIGN OR INSTALLATION WAS PERFORMED BY NORRIS INC.

RELAY & MONITOR MODULES:

CONNECTIONS FROM THE RELAY, AND MONITOR MODULES TO THE CONTROL EQUIPMENT, ALONG WITH ANY REQUIRED COMPONENTS SHALL BE FURNISHED BY THE INSTALLER.

REVISION 0: SUBMITTAL 12/23/2016

FIRE ALARM WIRING RISER

PROJECT NUMBER: 324613SP | SCALE: NONE

PROJECT:
IMMUCELL
1039 RIVERSIDE STREET
PORTLAND, MAINE 04103

DRAWN BY: JRS
CHECKED BY: DG
SHEET: FA–01

Norris Inc.
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Reviewed for Code Compliance Fire Prevention Division Portland, Maine
Date: 03/16/17